

In the Senate of the United States,

March 28, 2022.

Resolved, That the bill from the House of Representatives (H.R. 4521) entitled “An Act to provide for a coordinated Federal research initiative to ensure continued United States leadership in engineering biology.”, do pass with the following

AMENDMENT:

Strike all after the enacting clause and insert the following:

1 ***SECTION 1. SHORT TITLE; TABLE OF CONTENTS.***

2 (a) *SHORT TITLE.*—*This Act may be cited as the*
3 *“United States Innovation and Competition Act of 2021”.*

4 (b) *TABLE OF CONTENTS.*—*The table of contents for*
5 *this Act is as follows:*

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Sec. 1002. Creating Helpful Incentives to Produce Semiconductors (CHIPS) for America Fund.

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- Sec. 2004. Interagency working group.*
- Sec. 2005. Key technology focus areas.*

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- Sec. 2212. Supporting Early-Career Researchers Act.*
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Sec. 74457. *Optical Brightener SWN.*
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Sec. 74472. *Lemon oil.*
Sec. 74473. *Sulfonic acids, C14-17-sec-alkane, sodium salt.*
Sec. 74474. *Potassium ethyl octylphosphonate.*
Sec. 74475. *Intermediate in the production of industrial lubricants.*
Sec. 74476. *Polyether dispersant.*
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Sec. 74478. *2-Dodecoxy-6-(hydroxymethyl)oxane-3,4,5-triol.*
Sec. 74479. *Mixtures of certain C12-14-alkyl ethers.*
Sec. 74480. *Manufacturing chemical.*
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Sec. 74482. *Chemical used in textile manufacturing.*
Sec. 74483. *Ethoxylated tristyrylphenol phosphate potassium salt.*
Sec. 74484. *Sodium polycarboxylate, aqueous solution.*
Sec. 74485. *Aqueous emulsion of a mixture of amine soaps and miscellaneous other additives.*
Sec. 74486. *Aqueous dispersion of a mixture of fatty amine and amide soaps and miscellaneous other additives.*

- Sec. 74487. *Aqueous dispersion of a mixture of fatty amine and amide soaps and miscellaneous other additives.*
- Sec. 74488. *Photographic gelatin.*
- Sec. 74489. *Ice fountains (class 1.4G).*
- Sec. 74490. *Magic candles containing magnesium powder.*
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- Sec. 74492. *Fenpyroximate 5SC.*
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- Sec. 74494. *Imidacloprid and Muscalure formulations.*
- Sec. 74495. *Formulations of acephate and bifenthrin.*
- Sec. 74496. *Fipronil.*
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- Sec. 74501. *Certain fungicides.*
- Sec. 74502. *Prothioconazole, Fluopyram, and Trifloxystrobin fungicides.*
- Sec. 74503. *Prothioconazole, Metalaxyl, and Tebuconazole fungicides.*
- Sec. 74504. *Mancozeb and Chlorothalonil formulations.*
- Sec. 74505. *Mixtures of Picarbutrox and application adjuvants.*
- Sec. 74506. *Mixtures of Tetraconazole and application adjuvants.*
- Sec. 74507. *Mancozeb and Azoxystrobin formulations.*
- Sec. 74508. *Mixtures of Cymoxanil and fumed dioxosilane.*
- Sec. 74509. *Microthiol formulations.*
- Sec. 74510. *Formulations of thiencarbazone-methyl, Iodosulfuron-methyl-sodium, and dicamba.*
- Sec. 74511. *Thiencarbazone-methyl, Isoxadifenethyl, and Tembotrione herbicides.*
- Sec. 74512. *Herbicides used on grasses.*
- Sec. 74513. *Thiencarbazone-methyl, Isoxaflutole, and Cyprosulfamide herbicides.*
- Sec. 74514. *Thiencarbazone-methyl and Iodosulfuron-methylsodium herbicides.*
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- Sec. 74516. *Thifensulfuron-methyl and Tribenuron-methyl formulations.*
- Sec. 74517. *Tribenuron-methyl formulations.*
- Sec. 74518. *Chlorsulfuron and metsulfuron-methyl formulations.*
- Sec. 74519. *Thifensulfuron-methyl and Fluroxypyr formulations.*
- Sec. 74520. *Acifluofen formulations.*
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- Sec. 74522. *Metribuzin formulations.*
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- Sec. 74524. *Formulations of S-Metolachlor and Metribuzin.*
- Sec. 74525. *Thifensulfuron-methyl and Tribenuron-methyl formulations.*
- Sec. 74526. *Metsulfuron-methyl formulations.*
- Sec. 74527. *Chlorimuron-ethyl formulations.*
- Sec. 74528. *Mixtures of Bromoxynil octanoate and Bromoxynil heptanoate.*
- Sec. 74529. *Sulfometuron-methyl and Metsulfuron-methyl formulations.*
- Sec. 74530. *Chlorimuron-ethyl and Tribenuron-methyl formulations.*
- Sec. 74531. *Formulations containing Tiafenacil.*
- Sec. 74532. *Diuron 80.*
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- Sec. 74534. *Thifensulfuron-methyl formulations.*
- Sec. 74535. *Herbicide for farm and ranch use.*
- Sec. 74536. *Propanil formulations.*
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- Sec. 74539. *Mixtures of magnesium salts and application adjuvants.*

- Sec. 74540. *Nisin formulations.*
- Sec. 74541. *Certain fixatives.*
- Sec. 74542. *Fuel oil additives: cold flow improvers containing poly(ethylene-co-ethenyl acetate).*
- Sec. 74543. *Fuel oil additives: cold flow improvers containing fumarate vinyl acetate co-polymer.*
- Sec. 74544. *Crude oil additives: cold flow improvers containing fumarate vinyl acetate copolymer.*
- Sec. 74545. *Pour point depressants.*
- Sec. 74546. *Fuel oil additives: cold flow improvers containing poly (ethylene-co-ethenyl acetate and vinyl 2-ethyl hexanoate).*
- Sec. 74547. *Poly(isobutylene) hydroformylation products.*
- Sec. 74548. *Input for rubber products.*
- Sec. 74549. *Mixtures of oligomers as general antioxidants for rubber tires.*
- Sec. 74550. *Benzene, 2,4-diisocyanato-1,3,5-tris(1-methylethyl)-, homopolymer.*
- Sec. 74551. *Aromatic amine antioxidants.*
- Sec. 74552. *Antioxidant blends.*
- Sec. 74553. *Antioxidant blends to protect polymers.*
- Sec. 74554. *Synthetic hydrotalcite coated with fatty acid and magnesium stearate.*
- Sec. 74555. *Silica scorch retarders and polymerization inhibitors.*
- Sec. 74556. *Synthetic hydrotalcite.*
- Sec. 74557. *Light stabilizers for construction products.*
- Sec. 74558. *Light stabilizer for plastics.*
- Sec. 74559. *Preparations of bis(2,4-dichlorobenzoyl) peroxide 50 percent paste.*
- Sec. 74560. *Distilled tall oils.*
- Sec. 74561. *Pyridine, alkyl derivatives.*
- Sec. 74562. *Polyisocyanate crosslinking agents.*
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- Sec. 74566. *Mixtures of Cocamidopropyl betaine, glycol distearate, Laureth-4, and water.*
- Sec. 74567. *Mixtures of tall oil mono-, di-, and triglycerides.*
- Sec. 74568. *Tallow-bis(2-hydroxyethyl) amines.*
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- Sec. 74570. *Naphthenic acids.*
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- Sec. 74576. *Silane, trimethoxyoctyl-, hydrolysis products.*
- Sec. 74577. *1,1,1-Trimethyl-N-(trimethylsilyl)silanamine hydrolysis products.*
- Sec. 74578. *Waterborne epoxy curing agents.*
- Sec. 74579. *Preparations based on 1-phenylicosane-1,3-dione.*
- Sec. 74580. *Mixtures of 2-Mercaptopropionic acid, methyl ester, O-ethyl dithiocarbonate.*
- Sec. 74581. *Epoxy curing agents.*
- Sec. 74582. *Aliphatic amine curing agents.*
- Sec. 74583. *Non-halogenated flame retardants.*
- Sec. 74584. *Ligaphob N 90.*
- Sec. 74585. *Organomodified siloxane.*
- Sec. 74586. *Methyl palmitate-stearate, hydrogenated.*
- Sec. 74587. *Olfine E1010.*

- Sec. 74588. *Certain non-halogenated flame retardants.*
- Sec. 74589. *Flame retardants.*
- Sec. 74590. *Preparations based on acetyl hexapeptide-8 and pentapeptide-18.*
- Sec. 74591. *Lithium silicon oxide.*
- Sec. 74592. *Branched olefin from propylene polymerization.*
- Sec. 74593. *Polypropylene pellets.*
- Sec. 74594. *Propylene-ethylene copolymer.*
- Sec. 74595. *Ethylene-propylene copolymers.*
- Sec. 74596. *Benzene alkylated with polypropylene.*
- Sec. 74597. *Chlorinated polyolefin.*
- Sec. 74598. *Adsorbent resin.*
- Sec. 74599. *Vinyl chloride-hydroxypropyl acrylate copolymer.*
- Sec. 74600. *Vinyl chloride ethylene copolymer with hydrophic properties.*
- Sec. 74601. *Fluids with boiling points above 170 °C.*
- Sec. 74602. *Formulations of functionalized perfluoropolyether.*
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- Sec. 74604. *PVDF homopolymer/PVDF/CTFE copolymer mixtures.*
- Sec. 74605. *Chemically modified PVDF.*
- Sec. 74606. *Fluoropolymer, fluoroethylene-alkyl vinyl ether alternative copolymers.*
- Sec. 74607. *Copolymer of vinyl acetate and higher vinyl esters.*
- Sec. 74608. *Food-grade vinyl acetate copolymer.*
- Sec. 74609. *Vinyl chloride ethylene with enhanced properties.*
- Sec. 74610. *Vinyl acetate ethylene copolymer with enhanced properties.*
- Sec. 74611. *Food-grade polyvinyl acetate homopolymers.*
- Sec. 74612. *Acrylic acid/vinylsulphonate random copolymers.*
- Sec. 74613. *Poly(methyl methacrylate) microspheres.*
- Sec. 74614. *Methyl methacrylate crosspolymer microspheres.*
- Sec. 74615. *Styrene acrylate copolymer with enhanced properties.*
- Sec. 74616. *Copolymer for dental use.*
- Sec. 74617. *Vinyl phosphonic acid, acrylic acid copolymer, 20 percent solution in water.*
- Sec. 74618. *Polyacrylate 33.*
- Sec. 74619. *AA/AMPS copolymer.*
- Sec. 74620. *Flocculant dry polyacrylamides.*
- Sec. 74621. *Sorbitol, propylene oxide, ethylene oxide polymer.*
- Sec. 74622. *Trimethoxysilylpropylcarbamate-terminated polyether.*
- Sec. 74623. *Dimethoxy(methyl)silylmethylcarbamate-terminated polyether.*
- Sec. 74624. *Curing agent is used in two- or three-parts epoxy systems.*
- Sec. 74625. *Polyethylene glycol 450.*
- Sec. 74626. *Medicinal intermediate for investigational use.*
- Sec. 74627. *Pegcetacoplan.*
- Sec. 74628. *Aqueous solutions of carboxylic acid-copolymer-salt in water.*
- Sec. 74629. *Aqueous solutions of a modified polymer bearing hydrophilic and hydrophobic groups.*
- Sec. 74630. *Dimethylamine/epichlorohydrin/ethylenediamine copolymer.*
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- Sec. 74632. *Short hollow PET fibers.*
- Sec. 74633. *Polytetrahydrofuran.*
- Sec. 74634. *Crystalline polyesters.*
- Sec. 74635. *Liquid crystal polymers.*
- Sec. 74636. *Branched polyesters.*
- Sec. 74637. *High molecular weight co-polyester.*
- Sec. 74638. *High molecular weight co-polyester.*
- Sec. 74639. *Polyester-polyamide dispersants.*
- Sec. 74640. *Nylon-12 micro-spheres.*

- Sec. 74641. *Short nylon-66 fibers.*
- Sec. 74642. *Short nylon 6 fibers, colored.*
- Sec. 74643. *Short triangular nylon 6 fibers.*
- Sec. 74644. *Short star-shaped nylon 6 fibers.*
- Sec. 74645. *Short heart-shaped nylon 6 fibers.*
- Sec. 74646. *PA510 polymer compounds.*
- Sec. 74647. *MXD6 polymer compounds.*
- Sec. 74648. *PA10T polymer compounds.*
- Sec. 74649. *PA10T/10I polymer compounds.*
- Sec. 74650. *Polyurethane aqueous resins.*
- Sec. 74651. *Aqueous resin.*
- Sec. 74652. *Aliphatic polyisocyanate.*
- Sec. 74653. *IPDI and HDI based aliphatic polyisocyanate.*
- Sec. 74654. *HDI/Trimethylol hexyllactone crosspolymer micro-spheres.*
- Sec. 74655. *HDI/PPG/Polycaprolactone crosspolymer micro-spheres.*
- Sec. 74656. *Aromatic isocyanate prepolymer.*
- Sec. 74657. *Blocked polyisocyanate containing solvent.*
- Sec. 74658. *Polyisocyanate adduct for powder coatings.*
- Sec. 74659. *Blocked polyisocyanate for use in can and coil applications.*
- Sec. 74660. *Polydimethylsiloxane.*
- Sec. 74661. *Silicone resins.*
- Sec. 74662. *Methoxyfunctional methyl-phenyl polysiloxane.*
- Sec. 74663. *Hydrogenpolysiloxane.*
- Sec. 74664. *Methyl silicone resins.*
- Sec. 74665. *Trimethylsiloxysilicate.*
- Sec. 74666. *Epoxy functional polydimethylsiloxane.*
- Sec. 74667. *Polymethylhydrogensiloxane.*
- Sec. 74668. *Vinyl terminated siloxanes.*
- Sec. 74669. *Silicone hybrid resin (solvent free).*
- Sec. 74670. *Hydrogenated polycyclopentadiene resin.*
- Sec. 74671. *Water dispersable HDI based polyisocyanate.*
- Sec. 74672. *Cyanate ester resins for high-end electronic, aerospace, and industrial applications.*
- Sec. 74673. *Polyethyleneimine, component used in manufacturing medical devices.*
- Sec. 74674. *Polyhexanide.*
- Sec. 74675. *Ethylene-norbornene copolymer.*
- Sec. 74676. *Cellulose powder.*
- Sec. 74677. *Polymaltotriose.*
- Sec. 74678. *Chitosan.*
- Sec. 74679. *Plastic drinking straws.*
- Sec. 74680. *Garden hoses.*
- Sec. 74681. *Plastic fittings of perfluoroalkoxy.*
- Sec. 74682. *Low density polyethylene (LDPE) sheeting.*
- Sec. 74683. *Biaxially oriented dielectric polypropylene film.*
- Sec. 74684. *Biaxially oriented polypropylene (BOPP) capacitor-grade film.*
- Sec. 74685. *Polyester capacitor-grade film.*
- Sec. 74686. *Acid form membranes.*
- Sec. 74687. *Melamine resin foam.*
- Sec. 74688. *Infant bathtubs and basins, of plastics.*
- Sec. 74689. *Boxes, cases, crates, and similar articles of plastics.*
- Sec. 74690. *Nozzles, black, of polypropylene.*
- Sec. 74691. *Tip/cap combinations of polyethylene.*
- Sec. 74692. *Bottles made of LDPE.*
- Sec. 74693. *Plastic nasal irrigator caps for neti pots.*

- Sec. 74694. *Toy character bottle toppers.*
- Sec. 74695. *Melamine platters, other than those presented in sets.*
- Sec. 74696. *Melamine plates, other than those presented in sets.*
- Sec. 74697. *Melamine bowls not presented in sets.*
- Sec. 74698. *Melamine trays not presented in sets.*
- Sec. 74699. *Plastic measuring cups and spoons in sets.*
- Sec. 74700. *Liquid measuring cups.*
- Sec. 74701. *Self-anchoring beverage containers.*
- Sec. 74702. *PVC infant bathtub mats.*
- Sec. 74703. *Reversible playmats.*
- Sec. 74704. *Craft mats.*
- Sec. 74705. *Hangers.*
- Sec. 74706. *Infant bath rinsing cups.*
- Sec. 74707. *Bathtub spout covers.*
- Sec. 74708. *Infant teethingers.*
- Sec. 74709. *Lighted dog fetch toys.*
- Sec. 74710. *Certain thermoplastic nylon 3-gang switch wallplates.*
- Sec. 74711. *Manual plastic disposable cutlery dispensers.*
- Sec. 74712. *Ear bulb syringes of clear silicone.*
- Sec. 74713. *PVC inflatable pillows.*
- Sec. 74714. *Self-inflatable queen air mattresses.*
- Sec. 74715. *Plastic clip fasteners.*
- Sec. 74716. *Self-venting spouts for diesel exhaust fluid.*
- Sec. 74717. *Plastic pet carriers.*
- Sec. 74718. *Plastic mixing tips.*
- Sec. 74719. *Cable ties of plastics.*
- Sec. 74720. *Flexible camera mountings.*
- Sec. 74721. *Three-piece camera mount sets.*
- Sec. 74722. *Magnetic swivel clips for cameras.*
- Sec. 74723. *Helmet camera mounts.*
- Sec. 74724. *Short extension poles for use with cameras.*
- Sec. 74725. *Long extension poles for cameras.*
- Sec. 74726. *Swivel mounts for cameras.*
- Sec. 74727. *Tripod camera mounts.*
- Sec. 74728. *Bulk hydraulic hoses.*
- Sec. 74729. *Brake hydraulic hoses.*
- Sec. 74730. *Bulk fabric/metal-reinforced rubber hoses.*
- Sec. 74731. *Disposable gloves.*
- Sec. 74732. *Reusable gloves.*
- Sec. 74733. *Dog and cat apparel.*
- Sec. 74734. *Polycarbonate vanity cases.*
- Sec. 74735. *Aluminum vanity cases.*
- Sec. 74736. *Suitcases with outer surface of aluminum with built-in zipper locks.*
- Sec. 74737. *Drawstring backpacks with zippered pocket.*
- Sec. 74738. *Laminated recycled reusable shopping tote bags.*
- Sec. 74739. *Tote bags of paper yarn.*
- Sec. 74740. *Reusable shopping style tote bags.*
- Sec. 74741. *Waterproof tote bags.*
- Sec. 74742. *Waterproof duffel bags.*
- Sec. 74743. *Waterproof zippered bags, without handles, of plastic sheeting.*
- Sec. 74744. *Waterproof backpacks.*
- Sec. 74745. *Waterproof waist packs.*
- Sec. 74746. *Guitar cases.*
- Sec. 74747. *Jewelry boxes.*
- Sec. 74748. *Silicone rubber camera cases with straps.*

- Sec. 74749. *Leather gloves with flip mitts for hunting.*
- Sec. 74750. *Men's leather gloves valued at \$18 or more per pair.*
- Sec. 74751. *Belts of calf skin.*
- Sec. 74752. *Bamboo engineered flooring: 12.5–12.9 mm thick.*
- Sec. 74753. *Bamboo engineered flooring: 14.1–14.5 mm thick.*
- Sec. 74754. *Bamboo engineered flooring: 15.7–16.1 mm thick.*
- Sec. 74755. *Strand bamboo flooring: 12.5–12.9 mm thick.*
- Sec. 74756. *Strand bamboo flooring: 14.1–14.5 mm thick.*
- Sec. 74757. *Strand bamboo flooring: 10.9–11.3 mm thick.*
- Sec. 74758. *Chopsticks made of bamboo.*
- Sec. 74759. *Drying racks of wood.*
- Sec. 74760. *Bamboo skewers.*
- Sec. 74761. *Wood blinds with louvered slats.*
- Sec. 74762. *100 percent cotton woven crimped unbleached fabric.*
- Sec. 74763. *Woven fabrics of cotton, containing 85 percent or more by weight of cotton, not more than 200 grams per square meter.*
- Sec. 74764. *100 percent cotton woven bleached fabric pieces, open weave.*
- Sec. 74765. *Incontinence underpad fabrics of cotton.*
- Sec. 74766. *Woven fabrics of cotton with an average yarn number between 55 and 60.*
- Sec. 74767. *Woven fabric of cotton of yarn number 69 or higher.*
- Sec. 74768. *Woven fabrics of cotton with an average yarn number exceeding 68.*
- Sec. 74769. *Incontinence underpad fabrics, cotton, plain weave, of yarn number 42 or lower.*
- Sec. 74770. *Incontinence underpad fabrics, cotton, plain weave, of yarn number between 43 and 68.*
- Sec. 74771. *Incontinence underpad fabrics, bleached.*
- Sec. 74772. *Incontinence underpad fabrics, printed.*
- Sec. 74773. *Untwisted filament polyvinyl alcohol yarn, measuring 1,100 to 1,330 decitex.*
- Sec. 74774. *Untwisted filament polyvinyl alcohol yarn.*
- Sec. 74775. *Polypropylene (PP) monofilament.*
- Sec. 74776. *Acrylic fiber tow with an average decitex of 0.9.*
- Sec. 74777. *Black polyester bi-component fibers.*
- Sec. 74778. *Acrylic staple fibers with an average decitex of 2.2, fiber length of 100 mm.*
- Sec. 74779. *Modacrylic staple fibers not processed for spinning.*
- Sec. 74780. *Short polypropylene fibers.*
- Sec. 74781. *Polyoxadiazole fibers.*
- Sec. 74782. *Artificial staple fibers of viscose rayon, 38–42 mm in length.*
- Sec. 74783. *Artificial fibers of viscose rayon for the manufacture of feminine hygiene products.*
- Sec. 74784. *Flame retardant rayon fibers, measuring 4.78 decitex.*
- Sec. 74785. *Flame retardant rayon fibers, measuring 4.55 decitex.*
- Sec. 74786. *Flame retardant rayon fibers, measuring 4.4 decitex.*
- Sec. 74787. *Other flame retardant rayon fibers.*
- Sec. 74788. *Cellulosic man-made viscose rayon staple fibers, measuring 1.3–1.5 decitex.*
- Sec. 74789. *Viscose rayon staple fibers, measuring 1.5–1.67 decitex, with a fiber length of 38–42 mm.*
- Sec. 74790. *Cellulosic man-made viscose rayon staple fibers, measuring 1.67–2 decitex.*
- Sec. 74791. *Viscose rayon staple fibers, measuring 1–2 decitex, with a fiber length of 4–8 mm.*
- Sec. 74792. *Viscose staple fibers used in textile, medical, or hygiene applications.*

- Sec. 74793. *Viscose rayon staple fibers, measuring 1.51–2 decitex, with a fiber length of 8–16 mm.*
- Sec. 74794. *Viscose rayon staple fibers, measuring 1–1.5 decitex, with a fiber length of 8–16 mm.*
- Sec. 74795. *Flame retardant viscose rayon staple fibers, with a decitex of 4.7 mm and a fiber length of 51–60 mm.*
- Sec. 74796. *Viscose rayon staple fibers for nonwoven production.*
- Sec. 74797. *Black viscose rayon staple fibers.*
- Sec. 74798. *Acrylic or modacrylic staple fibers with a decitex of 3–5.6.*
- Sec. 74799. *Made up hand-cast string-drawn fishing nets.*
- Sec. 74800. *Knitted carpets containing 75 percent or more of cotton, with a rubber backing.*
- Sec. 74801. *Knitted carpets containing 75 percent or more by weight of polyester, with a rubber backing.*
- Sec. 74802. *Faux leather fabrics.*
- Sec. 74803. *Grass catcher bags.*
- Sec. 74804. *Oxygenation membrane capillary material.*
- Sec. 74805. *Textile knitted fabrics composed of micromodal and elastane.*
- Sec. 74806. *Textile technical knitted fabrics combining technical cotton and elastane.*
- Sec. 74807. *Textile knit fabrics of modal, cashmere, and spandex.*
- Sec. 74808. *Women’s and girls’ dresses, knitted or crocheted, of synthetic fibers infused with minerals.*
- Sec. 74809. *Women’s and girls’ skirts and divided skirts of synthetic fibers infused with minerals.*
- Sec. 74810. *Women’s and girls’ knit cardigans or pullovers containing 70 percent or more of silk.*
- Sec. 74811. *Men’s and boys’ knit cardigans or pullovers of linen.*
- Sec. 74812. *Babies’ knit sweaters, pullovers, sweatshirts, waistcoats (vests), and cardigans, of artificial fibers.*
- Sec. 74813. *Women’s and girls’ tops, knitted or crocheted, of man-made fibers infused with minerals.*
- Sec. 74814. *Men’s and boy’s tops, knitted or crocheted, of man-made fibers infused with minerals.*
- Sec. 74815. *Men’s 3 mm wetsuits.*
- Sec. 74816. *Men’s 5.5 and 6.5 mm wetsuits.*
- Sec. 74817. *Men’s 3.5 mm wetsuits.*
- Sec. 74818. *Men’s 4.5 mm wetsuits.*
- Sec. 74819. *Women’s 3 mm wetsuits.*
- Sec. 74820. *Women’s 3.5 mm wetsuits.*
- Sec. 74821. *Women’s 4.5 mm wetsuits.*
- Sec. 74822. *Women’s 5.5 and 6.5 mm wetsuits.*
- Sec. 74823. *Insulated handmuffs of knit polyester.*
- Sec. 74824. *Men’s stockingfoot wader bottom subassemblies, of compressed neoprene.*
- Sec. 74825. *Men’s stockingfoot wader bottom subassemblies, of non-compressed neoprene.*
- Sec. 74826. *Fishing wader pocket pouch assemblies.*
- Sec. 74827. *Women’s coats of man-made woven fibers.*
- Sec. 74828. *Men’s or boys’ linen woven trousers.*
- Sec. 74829. *Men’s or boys’ linen woven shorts.*
- Sec. 74830. *Martial arts uniforms.*
- Sec. 74831. *Women’s dresses of woven viscose.*
- Sec. 74832. *Girls’ woven cotton corduroy trousers.*
- Sec. 74833. *Women’s woven waffle shirts.*

- Sec. 74834. *Babies' woven artificial fiber shirts and blouses.*
- Sec. 74835. *Babies' artificial fiber woven jumpsuits, coveralls, dresses, skirts, skirtalls, or clothing accessories.*
- Sec. 74836. *Women's or girls' linen woven blouses, shirts and shirt-blouses, and sleeveless tank styles.*
- Sec. 74837. *Women's or girls' linen woven washsuits, sunsuits, or one-piece playsuits.*
- Sec. 74838. *Women's or girls' linen woven coveralls or jumpsuits.*
- Sec. 74839. *Women's shawls and similar goods, 100 percent silk.*
- Sec. 74840. *Winter cycling gloves.*
- Sec. 74841. *Mattress protectors with toppers.*
- Sec. 74842. *Printed mattress protectors.*
- Sec. 74843. *Lock pocket tents.*
- Sec. 74844. *Dark room tents.*
- Sec. 74845. *Air tube chambered tents.*
- Sec. 74846. *Bi-component microfiber tube mop refills.*
- Sec. 74847. *Microfiber duster refills.*
- Sec. 74848. *RFID mop pads.*
- Sec. 74849. *Microfiber cleaning cloths.*
- Sec. 74850. *Microfiber mop pads.*
- Sec. 74851. *Golf bag bodies with rain hoods and straps.*
- Sec. 74852. *Pillow shells, constructed with gussets.*
- Sec. 74853. *Golf bag body flats.*
- Sec. 74854. *Bathtub elbow rests.*
- Sec. 74855. *Door swings.*
- Sec. 74856. *Under bed restraints.*
- Sec. 74857. *Flat golf bag body components, without bottoms.*
- Sec. 74858. *Bath kneeler.*
- Sec. 74859. *Pillow shells, with oval jacquard weave.*
- Sec. 74860. *Two-piece camera mount kits.*
- Sec. 74861. *Sleeve covers.*
- Sec. 74862. *Sports footwear for men, valued over \$20 per pair.*
- Sec. 74863. *Sports footwear for women, valued over \$20 per pair.*
- Sec. 74864. *Men's cycling shoes valued over \$18 per pair.*
- Sec. 74865. *Women's cycling shoes valued over \$16 per pair.*
- Sec. 74866. *Men's golf shoes with outers and uppers of rubber or plastics, valued over \$20 per pair.*
- Sec. 74867. *Golf shoes other than for men, with outers and uppers of rubber or plastics, valued over \$20 per pair.*
- Sec. 74868. *Winter cycling boots for men.*
- Sec. 74869. *Winter cycling boots for women.*
- Sec. 74870. *Men's protective active footwear with waterproof soles, valued over \$26 per pair, covering the ankle.*
- Sec. 74871. *Women's protective active footwear with waterproof soles, valued over \$27 per pair, 15.35–25.4 cm in height.*
- Sec. 74872. *Children's protective active footwear with waterproof soles, valued over \$18 per pair.*
- Sec. 74873. *Men's protective active footwear with waterproof soles, valued over \$27 per pair, 15.35–25.4 cm in height.*
- Sec. 74874. *Children's footwear valued over \$15 per pair.*
- Sec. 74875. *Women's protective active footwear, valued over \$25 per pair, 15.35–25.4 cm in height.*
- Sec. 74876. *Women's rubber or plastic footwear covering the ankle with fox-like banding.*
- Sec. 74877. *Cheer shoes covering the ankle.*

- Sec. 74878. *Footwear for women, with 90 percent of the external surface of rubber or plastic, valued \$15–\$22 per pair.*
- Sec. 74879. *Sideline cheer shoes.*
- Sec. 74880. *Men’s athletic footwear, valued under \$9 per pair.*
- Sec. 74881. *Athletic footwear for women, valued not over \$9 per pair.*
- Sec. 74882. *Athletic footwear for children, valued not over \$8 per pair.*
- Sec. 74883. *Men’s golf shoes, with outer soles and uppers of rubber or plastics, not covering the ankle, valued \$15 per pair or over.*
- Sec. 74884. *Golf shoes other than for men, with outer soles and uppers of rubber or plastics, not covering the ankle, valued \$15 per pair or over.*
- Sec. 74885. *Men’s rubber/plastic footwear, valued not over \$5 per pair.*
- Sec. 74886. *Women’s rubber/plastic footwear, valued not over \$6 per pair.*
- Sec. 74887. *Children’s athletic shoes with glitter uppers.*
- Sec. 74888. *Cheer shoes with sole less than 12 mm.*
- Sec. 74889. *Men’s golf shoes with outers and uppers of rubber or plastics, valued over \$19 per pair.*
- Sec. 74890. *Golf shoes other than for men, outer soles and uppers of rubber or plastics, valued over \$19 per pair.*
- Sec. 74891. *Men’s golf shoes, outer soles of rubber, plastics, leather or composition leather and uppers of leather (except pigskin uppers).*
- Sec. 74892. *Men’s oxford work footwear with metal safety toe and internal metatarsal protection.*
- Sec. 74893. *Oxford-style leather footwear with metal safety toe and static dissipating protection.*
- Sec. 74894. *Women’s leather footwear, lined with pigskin with zipper, valued \$47–\$60 per pair.*
- Sec. 74895. *Women’s leather footwear, lined with pigskin, valued \$31–\$40 per pair.*
- Sec. 74896. *Women’s slip-on cow/calf hair footwear, valued \$50–\$60 per pair.*
- Sec. 74897. *Women’s leather footwear lined with sheepskin.*
- Sec. 74898. *Women’s leather slip-on footwear lined with sheep leather.*
- Sec. 74899. *Women’s leather slip-on footwear lined with pigskin.*
- Sec. 74900. *Women’s leather footwear, lined with pigskin, valued \$21–\$27 per pair.*
- Sec. 74901. *Men’s mid-cut work footwear with composite safety toe and waterproof leather uppers.*
- Sec. 74902. *Men’s leather upper footwear, San Crispino construction, valued over \$32 per pair.*
- Sec. 74903. *Men’s leather upper athletic footwear.*
- Sec. 74904. *Women’s footwear with leather uppers, lined with pigskin, valued \$37–\$43 per pair.*
- Sec. 74905. *Women’s footwear with leather uppers, lined with pigskin, valued \$88–\$102 per pair.*
- Sec. 74906. *Women’s footwear with leather uppers, lined with pigskin, valued \$24–\$32 per pair.*
- Sec. 74907. *Women’s footwear with leather uppers, lined with pigskin, valued \$57–\$62 per pair.*
- Sec. 74908. *Women’s footwear with leather uppers, strap with closed toe and open heel.*
- Sec. 74909. *Open toe women’s footwear, valued over \$23 but not over \$27 per pair.*
- Sec. 74910. *Slip-on footwear for women, valued over \$24 but not over \$27 per pair.*
- Sec. 74911. *Women’s footwear with leather uppers, lined with pigskin, closed toe or heel with functional zippers on sides.*

- Sec. 74912. *Women's footwear with leather uppers, lined with pigskin, closed toe or heel with zipper closure, height of 43–48 cm.*
- Sec. 74913. *Women's footwear with leather uppers, lined with pigskin covering the knee.*
- Sec. 74914. *Women's footwear with leather uppers, lined with pigskin, closed toe or heel with zipper closure, height of 48–52 cm.*
- Sec. 74915. *Women's footwear with leather uppers, open toe with strap and buckle, valued \$14–\$25 per pair.*
- Sec. 74916. *Women's slip-on footwear with bovine leather uppers.*
- Sec. 74917. *Women's footwear with leather uppers, lined with pigskin with adjustable laces.*
- Sec. 74918. *Men's waterproof leather footwear, valued \$27 per pair or higher.*
- Sec. 74919. *Men's or boys' golf shoes, valued \$30 per pair or higher.*
- Sec. 74920. *Competitive cheer shoes with leather uppers.*
- Sec. 74921. *Children's waterproof leather footwear, not covering the ankle, valued \$14 per pair or higher.*
- Sec. 74922. *Women's footwear with leather uppers, open toe with strap and buckle, valued \$12.50–\$28 per pair.*
- Sec. 74923. *Women's footwear with leather uppers, closed toe with strap and buckle.*
- Sec. 74924. *Women's footwear with leather uppers, with strap and buckle, valued \$27–\$40 per pair.*
- Sec. 74925. *Women's footwear with leather uppers, with strap and buckle, valued \$12.70–\$18.70 per pair.*
- Sec. 74926. *Children's leather upper athletic footwear, valued not over \$9 per pair.*
- Sec. 74927. *Men's athletic type footwear with uppers of textile materials of vegetable fibers and outer soles of rubber or plastic with textile flocking.*
- Sec. 74928. *Athletic footwear for men, with a bellows tongue, valued over \$6.50 but not over \$12 per pair.*
- Sec. 74929. *Athletic footwear for women, with a bellows tongue, valued over \$6.50 but not over \$12 per pair.*
- Sec. 74930. *Athletic footwear for children, bellows tongue, valued over \$6.50 but not over \$12 per pair.*
- Sec. 74931. *Athletic footwear for men, valued over \$6.50 but not over \$9 per pair.*
- Sec. 74932. *Athletic footwear for children, valued over \$6.50 but not over \$9 per pair.*
- Sec. 74933. *Men's waterproof footwear, valued over \$15 per pair, covering the ankle.*
- Sec. 74934. *Men's waterproof footwear, valued over \$13 per pair, not covering the ankle.*
- Sec. 74935. *Women's waterproof footwear, valued over \$15 per pair, covering the ankle.*
- Sec. 74936. *Women's waterproof footwear, valued over \$13 per pair, not covering the ankle.*
- Sec. 74937. *Cheer shoes with uppers of textile materials.*
- Sec. 74938. *Men's golf shoes, uppers of textile materials.*
- Sec. 74939. *Golf shoes other than for men, uppers of textile materials.*
- Sec. 74940. *Women's footwear with textile uppers and 50 percent or more of the surface area of which is leather.*
- Sec. 74941. *Shoe and boot covers.*
- Sec. 74942. *Women's footwear with textile uppers, open toes or heels, valued \$15–\$30 per pair.*

- Sec. 74943. *Men's textile upper footwear, with open toes or open heels, valued not over \$12 per pair.*
- Sec. 74944. *Women's textile upper footwear, with open toes or open heels, valued not over \$12 per pair.*
- Sec. 74945. *Children's textile upper footwear, with open toes or open heels, valued not over \$12 per pair.*
- Sec. 74946. *Oxford footwear with textile upper and composite toe, valued at \$12–\$20 per pair.*
- Sec. 74947. *Oxford-style footwear for men or women with textile uppers, with an alloy safety toecap and static dissipating protection.*
- Sec. 74948. *Oxford-style work footwear with steel safety toe and static dissipating protection.*
- Sec. 74949. *Women's footwear, covering the ankle but not the knee, valued over \$24 per pair.*
- Sec. 74950. *Men's textile upper footwear, not covering the ankle, valued over \$24 per pair.*
- Sec. 74951. *Oxford footwear with textile uppers and composite toe, valued over \$20 per pair.*
- Sec. 74952. *Men's mid-cut footwear with a textile upper and a protective toe cap.*
- Sec. 74953. *Women's footwear with leather soles and textile uppers, open toes or heels, valued \$12–\$24 per pair.*
- Sec. 74954. *Footwear for women valued over \$20 but not over \$24 per pair.*
- Sec. 74955. *Women's footwear with leather soles and textile uppers, valued \$15–\$20 per pair.*
- Sec. 74956. *Women's footwear with leather soles and textile uppers, valued \$20–\$25 per pair.*
- Sec. 74957. *Women's footwear with cork soles and textile uppers.*
- Sec. 74958. *Men's footwear with felt soles, not covering the ankle, valued \$20 per pair or higher.*
- Sec. 74959. *Women's and girls' footwear with cork uppers, valued less than \$25 per pair.*
- Sec. 74960. *Women's footwear with cow/calf hair uppers, valued \$35–\$40 per pair, covering the ankle.*
- Sec. 74961. *Women's footwear with cow/calf hair uppers, valued \$35–\$40 per pair, not covering the ankle.*
- Sec. 74962. *Women's footwear with cow/calf hair uppers, valued \$19–\$25 per pair.*
- Sec. 74963. *Women's footwear with cow/calf hair uppers, valued \$50–\$55 per pair.*
- Sec. 74964. *Women's footwear, leather soles and rubber/plastic uppers, valued \$16–\$18 per pair.*
- Sec. 74965. *Women's footwear with cow/calf hair uppers, valued \$19–\$34 per pair.*
- Sec. 74966. *Footwear for women, valued over \$50 but not over \$60 per pair.*
- Sec. 74967. *Calf hair upper footwear.*
- Sec. 74968. *Gaiters of man-made fibers.*
- Sec. 74969. *Hats of vegetable fibers.*
- Sec. 74970. *Hairnets.*
- Sec. 74971. *Cotton knit hats, valued \$8 or less.*
- Sec. 74972. *Babies' woven cotton hats.*
- Sec. 74973. *Hats of man-made fiber, valued \$5–\$25.*
- Sec. 74974. *Waterproof and insulated hats with ear flaps, valued over \$15.*
- Sec. 74975. *Fishing wading staffs.*
- Sec. 74976. *Plastic plants for aquariums, not glued or bound.*
- Sec. 74977. *Natural stone ledger tile of sandstone.*

- Sec. 74978. *Marble mosaic and pebble tiles.*
- Sec. 74979. *Natural stone limestone tiles.*
- Sec. 74980. *Natural stone marble tiles.*
- Sec. 74981. *Waterjet natural stone mosaic tile.*
- Sec. 74982. *Marble entertaining and serveware.*
- Sec. 74983. *Articles of marble for kitchen and dining room.*
- Sec. 74984. *Natural stone ledger tiles of travertine.*
- Sec. 74985. *Travertine decorative tile.*
- Sec. 74986. *Limestone decorative tiles.*
- Sec. 74987. *Blank, embossed, and printed stoneware coaster disks and trivets.*
- Sec. 74988. *Rolled green glass sheets.*
- Sec. 74989. *Framed rear-view mirrors.*
- Sec. 74990. *Wall mirrors, unframed.*
- Sec. 74991. *Wall mirrors, framed.*
- Sec. 74992. *Stemware (crystalline) drinking glasses valued over \$0.30 but not over \$3 each, other than those presented in sets.*
- Sec. 74993. *Double-walled insulated glass tumblers.*
- Sec. 74994. *Diamond-shaped stemmed wine glasses.*
- Sec. 74995. *Twisted-center stemless wine glass.*
- Sec. 74996. *Crystalline drinking glasses, without stems, not in sets.*
- Sec. 74997. *Double-walled insulated glass bowls.*
- Sec. 74998. *Leaf-shaped glass decanters.*
- Sec. 74999. *Set of four appetizer plates made of glass with steel caddy holder, valued at \$2 each.*
- Sec. 75000. *Spice rack with glass jars and wooden lids valued not over \$3 each.*
- Sec. 75001. *Glass lens blanks for infrared applications.*
- Sec. 75002. *Hair accessories of glass beads, imitation pearls, and imitation stones, valued less than \$7.*
- Sec. 75003. *Filter bags with acid-resistant coating, of woven fiberglass laminated to ePTFE, weighing at least 325 g/m² but not over 350 g/m².*
- Sec. 75004. *Fiberglass replacement wicks for outdoor garden torch.*
- Sec. 75005. *Filter bags of woven fiberglass fabric laminated to an ePTFE, with a polytetrafluoroethylene coated backing, not acid resistant, weighing at least 721 g/m² but not over 771 g/m².*
- Sec. 75006. *Silver catalyst.*
- Sec. 75007. *Silver round blanks.*
- Sec. 75008. *Ferroboron alloy.*
- Sec. 75009. *Cast iron nonmalleable threaded main body combo castings for residential fuel oil tanks.*
- Sec. 75010. *Cast iron nonmalleable threaded vent caps for residential fuel oil tanks.*
- Sec. 75011. *Cast iron nonmalleable threaded bushings for residential fuel oil tanks.*
- Sec. 75012. *Cast iron nonmalleable threaded tank adapters for residential fuel oil tanks.*
- Sec. 75013. *Cast iron nonmalleable threaded fill alarm main body for residential fuel oil tanks.*
- Sec. 75014. *Cast iron nonmalleable threaded fill box caps for residential fuel oil tanks.*
- Sec. 75015. *Cast iron nonmalleable threaded leg flanges for residential fuel oil tanks.*
- Sec. 75016. *Portable gas cooking stoves.*
- Sec. 75017. *Portable outdoor cookers.*
- Sec. 75018. *Self-anchored beverage containers.*
- Sec. 75019. *Stainless steel handmade kitchen sinks.*

- Sec. 75020. *Loose frame baskets.*
- Sec. 75021. *Two-story fire escape ladders.*
- Sec. 75022. *Three-story fire escape ladders.*
- Sec. 75023. *Work support stands of steel.*
- Sec. 75024. *Locking fixtures of iron or steel.*
- Sec. 75025. *Stainless steel phone handle-and-stand accessories.*
- Sec. 75026. *Circular and S-shaped stainless steel carabiners.*
- Sec. 75027. *Pieces of refined unwrought copper cathode 99.9999 percent pure.*
- Sec. 75028. *Ultra-thin and wide-width aluminum foil.*
- Sec. 75029. *Etched capacitor aluminum foil of a thickness 0.018–0.126 mm.*
- Sec. 75030. *Stove top coffee makers.*
- Sec. 75031. *Aluminum shower caddies.*
- Sec. 75032. *Step stools of aluminum.*
- Sec. 75033. *Aluminum ladders.*
- Sec. 75034. *Circular and S-shaped aluminum carabiners.*
- Sec. 75035. *Stationary sprinklers of zinc.*
- Sec. 75036. *Tungsten waste and scrap.*
- Sec. 75037. *Cobalt alloys.*
- Sec. 75038. *Certain gallium (Ga).*
- Sec. 75039. *Niobium (columbium) rings no thicker than 20 mm.*
- Sec. 75040. *Tungsten secondary raw material.*
- Sec. 75041. *Gear-driven bolt cutters and pipe cutters.*
- Sec. 75042. *Rotary cutters.*
- Sec. 75043. *Food graters.*
- Sec. 75044. *Hand tools for applying plastic clip fasteners to garments.*
- Sec. 75045. *Steel workstations with vises adjustable by foot pedal.*
- Sec. 75046. *Fixed carbide cutter and roller cone drill bits.*
- Sec. 75047. *Rotary food graters.*
- Sec. 75048. *Coffee presses.*
- Sec. 75049. *Vacuum insulated coffee servers with a brew-through lid.*
- Sec. 75050. *Vacuum insulated coffee servers with no lid.*
- Sec. 75051. *Vacuum insulated coffee servers with fitted hinged lid.*
- Sec. 75052. *Commercial vacuum insulated coffee servers with sight gauge.*
- Sec. 75053. *Commercial vacuum insulated coffee servers with plastic base.*
- Sec. 75054. *Commercial vacuum insulated coffee servers with plastic base and stand.*
- Sec. 75055. *Craft knives with fixed pen-like or retractable blades.*
- Sec. 75056. *Craft knives.*
- Sec. 75057. *Blades for craft knives with non-fixed blades.*
- Sec. 75058. *Ergonomic pinking shears.*
- Sec. 75059. *Spring-action scissors.*
- Sec. 75060. *Electronic locks for lockers.*
- Sec. 75061. *Luggage locks of base metal, packaged for retail sale.*
- Sec. 75062. *Key-operated door handles, push-pull-rotate.*
- Sec. 75063. *Vent mounted magnetic mobile phone holder for automobiles.*
- Sec. 75064. *Dash mounted magnetic mobile phone holder for automobiles.*
- Sec. 75065. *Windshield mounted magnetic mobile phone holder for automobiles.*
- Sec. 75066. *Steel latches with plastic plungers.*
- Sec. 75067. *Non-key-operated door handles.*
- Sec. 75068. *Curtain rings.*
- Sec. 75069. *Brackets.*
- Sec. 75070. *Curtain rods.*
- Sec. 75071. *Curtain rod hardware.*
- Sec. 75072. *Curtain tiebacks.*
- Sec. 75073. *Curtain rod finials.*

- Sec. 75074. *Curved shower rods.*
- Sec. 75075. *Shower hooks and rings.*
- Sec. 75076. *Straight shower rods.*
- Sec. 75077. *Steel window rods.*
- Sec. 75078. *Anti-theft steel cases with digital locks.*
- Sec. 75079. *Stainless steel hose kits.*
- Sec. 75080. *Stainless steel hoses.*
- Sec. 75081. *Wrist watch strap buckles not over 18 mm.*
- Sec. 75082. *Wrist watch strap buckles over 18 mm.*
- Sec. 75083. *Used cylinder heads.*
- Sec. 75084. *Cylinder heads used solely or principally with certain engines.*
- Sec. 75085. *Engine blocks.*
- Sec. 75086. *Swirler assemblies for turbines.*
- Sec. 75087. *Barrels for fuel mixing.*
- Sec. 75088. *Injector assemblies for certain turbines.*
- Sec. 75089. *Stem assemblies for certain turbines.*
- Sec. 75090. *Tip assemblies for non-gas turbines.*
- Sec. 75091. *High pressure fuel pumps.*
- Sec. 75092. *Dry scroll vacuum pumps 364x333x485 mm.*
- Sec. 75093. *Dry scroll vacuum pumps 297x260x420 mm.*
- Sec. 75094. *Dry scroll vacuum pumps 254x260x420 mm.*
- Sec. 75095. *Dry scroll vacuum pumps 181x140x358 mm.*
- Sec. 75096. *Turbomolecular vacuum pumps.*
- Sec. 75097. *Rotary vane vacuum pumps valued over \$500 each.*
- Sec. 75098. *Vacuum diffusion pumps valued over \$900 each.*
- Sec. 75099. *Hand- or foot-operated air pumps.*
- Sec. 75100. *Roof vent fans.*
- Sec. 75101. *12-Amp corded electric leaf blowers.*
- Sec. 75102. *Cordless battery powered leaf blowers not exceeding 20 volts.*
- Sec. 75103. *Cordless battery powered leaf blowers between 20 and 60 V.*
- Sec. 75104. *Fan assemblies for cab climate systems.*
- Sec. 75105. *Aquarium air pumps.*
- Sec. 75106. *Heat pumps for residential use.*
- Sec. 75107. *Heat pumps (outdoor units) for split air conditioner systems.*
- Sec. 75108. *High-wall indoor units.*
- Sec. 75109. *Single-zone outdoor units.*
- Sec. 75110. *Mini heat pumps for split air conditioner systems.*
- Sec. 75111. *Multi-zone outdoor unit ductless systems.*
- Sec. 75112. *Indoor units of split air conditioner systems.*
- Sec. 75113. *Ductless 18000 BTU heat pumps, single zone inverter.*
- Sec. 75114. *Single-phase heat pump.*
- Sec. 75115. *Steel vacuum pitchers with plastic hinged lid.*
- Sec. 75116. *Oil filters.*
- Sec. 75117. *Battery powered nasal irrigators.*
- Sec. 75118. *Struts to absorb vibration.*
- Sec. 75119. *Table saws (25.4 cm.), operable corded and cordless.*
- Sec. 75120. *Sliding miter saws (25.4 cm) with laser, corded and cordless.*
- Sec. 75121. *Electromechanical rotary hammers, corded and cordless.*
- Sec. 75122. *Electromechanical hammer impact drivers, corded and cordless.*
- Sec. 75123. *Rotary hammer drill tools with self-contained electric motor.*
- Sec. 75124. *Drill driver tools with self-contained electric motor.*
- Sec. 75125. *Extruders.*
- Sec. 75126. *Three-dimensional drawing pens.*
- Sec. 75127. *Professional grade three-dimensional drawing pens.*
- Sec. 75128. *Electric multi-functional blower vacuums.*

- Sec. 75129. *Autosamplers (multisamplers) for liquid chromatographs.*
- Sec. 75130. *Autosamplers (vialsamplers) for liquid chromatographs.*
- Sec. 75131. *Hydraulic hammer assembly.*
- Sec. 75132. *Segmented bladder-operated molds, with more than 25-inch rim diameter.*
- Sec. 75133. *Used valves for directional control.*
- Sec. 75134. *Keg spears with pressure release valves.*
- Sec. 75135. *Multiport distribution controllers.*
- Sec. 75136. *Subsea modular trees.*
- Sec. 75137. *Flow selector unit-multi-port 6-branch engine crankshafts.*
- Sec. 75138. *Engine crankshafts.*
- Sec. 75139. *Turbocharger journal bearings.*
- Sec. 75140. *Mid-range bearing housings.*
- Sec. 75141. *Heavy duty bearing housings.*
- Sec. 75142. *Fixed ration gear boxes.*
- Sec. 75143. *Track drive gear boxes.*
- Sec. 75144. *Swing bearing assembly.*
- Sec. 75145. *Gears for use in machinery or within engines.*
- Sec. 75146. *14Y stepper motors.*
- Sec. 75147. *Air door actuators.*
- Sec. 75148. *Servo motors.*
- Sec. 75149. *DC brushed rhombic winding NdFeb magnet motors, with output under 18.65 W.*
- Sec. 75150. *DC brushed rhombic winding NdFeB magnet motors.*
- Sec. 75151. *DC brushed rhombic winding ALNiCo magnet motors, with output under 18.65 W.*
- Sec. 75152. *DC brushless rhombic winding NdFeB magnet motors, with output under 18.65 W.*
- Sec. 75153. *DC brushed rhombic winding NdFeB magnet motors, with output over 18.65 but not over 37.5 W.*
- Sec. 75154. *DC brushed rhombic winding ALNiCo magnet motors, with output over 18.65 W but not over 37.5 W.*
- Sec. 75155. *DC brushless slotless rhombic winding NdFeB magnet motors output over 18.65 W but not over 37.5 W.*
- Sec. 75156. *DC brushed rhombic winding NdFeB magnet motors output over 37.5 W but not over 74.6 W.*
- Sec. 75157. *DC brushless slotless rhombic winding NdFeB magnet motors output over 37.5 W but not over 74.6 W.*
- Sec. 75158. *Motors.*
- Sec. 75159. *DC motors of an output exceeding 74.6 W but not exceeding 735 W.*
- Sec. 75160. *DC motors, of an output exceeding 74.6 W but not exceeding 735 W.*
- Sec. 75161. *DC brushed rhombic winding NdFeB magnet motors output over 74.6 W but not over 735 W.*
- Sec. 75162. *DC brushless slotless rhombic winding NdFeB magnet motors output over 74.6 W but not over 735 W.*
- Sec. 75163. *DC motors of an output exceeding 750 W but not exceeding 14.92 kW.*
- Sec. 75164. *DC electric motor for non-aircraft gas turbines.*
- Sec. 75165. *AC alternators.*
- Sec. 75166. *AC alternators with copper windings.*
- Sec. 75167. *Wound stators and rotor assemblies.*
- Sec. 75168. *Rotors.*
- Sec. 75169. *Stators for washing machines, with a 27-tooth design.*
- Sec. 75170. *Stators for washing machines, with an 18-tooth design.*
- Sec. 75171. *Rotors for washing machines, with a height of 60.8 mm.*
- Sec. 75172. *Rotors for washing machines, with a height of 49 mm.*

- Sec. 75173. *6 V lead-acid storage batteries.*
- Sec. 75174. *12 V lead-acid storage batteries, used for the auxiliary source of power.*
- Sec. 75175. *Lead-acid storage batteries, used for wheelchairs.*
- Sec. 75176. *12 V lead-acid storage batteries, rated at less than 15 ampere-hours.*
- Sec. 75177. *12 V lead-acid storage batteries, rated at 15 ampere-hours or more.*
- Sec. 75178. *Cell box assemblies, weighing 15 kg or more but not over 18 kg.*
- Sec. 75179. *Cell box assemblies, weighing 30 kg or more but not over 36 kg.*
- Sec. 75180. *Cell box assemblies, weighing 36 kg or more but not over 49 kg.*
- Sec. 75181. *Cell box assemblies NX.*
- Sec. 75182. *Food processors with a capacity greater than 2.9 liters but not exceeding 3.1 liters.*
- Sec. 75183. *Food processors with a capacity greater than 1.6 liters but not exceeding 2.2 liters.*
- Sec. 75184. *Cordless hand blenders.*
- Sec. 75185. *Cordless hand mixers.*
- Sec. 75186. *Corded hand blenders.*
- Sec. 75187. *Burr coffee grinders.*
- Sec. 75188. *Electric food processors with bowl scraper.*
- Sec. 75189. *Electric food processors with snap-locking lid.*
- Sec. 75190. *Electric juice extractors.*
- Sec. 75191. *Electric drink mixers.*
- Sec. 75192. *Spiralizing food processors with a capacity equal to or greater than 2.36 liters but not exceeding 2.64 liters.*
- Sec. 75193. *Spiralizing food processors with a capacity equal to or greater than 2.83 liters but not exceeding 3.07 liters.*
- Sec. 75194. *Dicing food processors.*
- Sec. 75195. *Compact food processor with smoothie function.*
- Sec. 75196. *Juice extractors.*
- Sec. 75197. *Integrated baby food making systems.*
- Sec. 75198. *Electric juice mixers and grinders.*
- Sec. 75199. *Ultrasonic humidifiers.*
- Sec. 75200. *Automatic litterboxes, valued no more than \$100.*
- Sec. 75201. *Electric toothbrushes.*
- Sec. 75202. *Ultrasonic cool/warm mist humidifiers with aromatherapy.*
- Sec. 75203. *2-in-1 can opener.*
- Sec. 75204. *Food spiralizing devices.*
- Sec. 75205. *Ceramic bowls.*
- Sec. 75206. *Food grinders for certain electromechanical stand food mixers.*
- Sec. 75207. *Pasta press extruders for certain stand food mixers.*
- Sec. 75208. *Stainless steel bowls for certain electromechanical stand food mixers, with capacity greater than 4.2 liters but not exceeding 4.8 liters.*
- Sec. 75209. *Stainless steel bowls for certain electromechanical stand food mixers, with capacity greater than 2.8 liters but not exceeding 3.4 liters.*
- Sec. 75210. *Stainless steel bowls for certain electromechanical stand food mixers, with capacity greater than 5.6 liters but not exceeding 8.6 liters.*
- Sec. 75211. *Pasta rollers and cutters for stand food mixers.*
- Sec. 75212. *Glass bowls for certain electromechanical stand food mixers.*
- Sec. 75213. *Body trimmers for detailed hair trimming.*
- Sec. 75214. *Hair clipper sets.*
- Sec. 75215. *Rechargeable trimmers for trimming human hair.*
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- Sec. 75240. *Electric toasters with 6.5 inch slots.*
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- Sec. 75242. *2- and 4- slot toasters, not having a button to keep toaster contents warm after toasting.*
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- Sec. 75264. *Vacuum steel insulated carafes for household coffee machines, of a kind used with deep ultraviolet lithography machines.*
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- Sec. 75266. *Lamp-holder housings of plastic.*
- Sec. 75267. *660 W, 125 V, lamp-holder with two 15 amp outlets.*
- Sec. 75268. *Combination duplex receptacle/outlet and USB charger, 15–20 amp, 125 V.*
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- Sec. 75281. *Insulated coaxial cables, of a kind used with deep ultraviolet lithography machines.*
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- Sec. 75286. *Insulated electric conductors, of a kind used with extreme ultraviolet lithography machines.*
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- Sec. 75294. *Suspension system stabilizer bars.*
- Sec. 75295. *Tie rod assemblies.*
- Sec. 75296. *Used axle housings.*
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- Sec. 75298. *Front windshield covers.*
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- Sec. 75300. *Bicycle racks for car roofs.*
- Sec. 75301. *High pressure fuel injector rails.*
- Sec. 75302. *Stand-up bicycles, having both wheels exceeding 63.5 cm in diameter.*
- Sec. 75303. *Elliptical cycles, with wheels not exceeding 63.5 cm in diameter.*
- Sec. 75304. *Bicycle frames, other than of steel, valued \$600 or less.*
- Sec. 75305. *Internal gear bicycle hubs, other than two or three speeds.*
- Sec. 75306. *Bicycle pedals other than clipless pedals.*
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- Sec. 75308. *Carbon fiber bicycle seatposts.*

- Sec. 75309. *Bicycle handlebar tape, other than silicon or leather tape.*
- Sec. 75310. *Trailer cycles.*
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- Sec. 75324. *LCD television panel assemblies, with a video display measuring over 175.26 cm.*
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- Sec. 75343. *Projection atomic alarm clocks.*
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- Sec. 75351. *Watch cases or "bodies" over 41 mm in diameter.*
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- Sec. 75353. *Watch case bezels, backs, and centers.*
- Sec. 75354. *Watch case parts.*
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- Sec. 75359. *Acoustic guitars.*
- Sec. 75360. *Console digital pianos.*
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- Sec. 75367. *Metal household floor lamps.*
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- Sec. 75370. *Exterior exit viewing lights, dual beam.*
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- Sec. 75381. *Indoor oil lamps with base of glass or metal.*
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- Sec. 75385. *Galvanized steel LED downlight housing frames.*
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- Sec. 75392. *Golf club heads for fairway woods.*
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- Sec. 75395. *Golf club shaft assemblies.*
- Sec. 75396. *Graphite driver golf club shafts, extra stiff flex.*
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- Sec. 75398. *Graphite irons golf club shafts, extra stiff flex.*
- Sec. 75399. *Graphite driver golf club shafts, regular, senior, adult, or ladies flex.*
- Sec. 75400. *Graphite golf club driver shafts, stiff flex.*
- Sec. 75401. *Graphite hybrid golf club shafts, regular, senior, adult, or ladies flex.*
- Sec. 75402. *Graphite hybrid golf club shafts, stiff flex.*
- Sec. 75403. *Graphite irons golf club shafts, regular, senior, adult, or ladies flex.*
- Sec. 75404. *Graphite irons golf club shafts, stiff flex.*
- Sec. 75405. *Pickleball paddles.*
- Sec. 75406. *Pickleballs.*
- Sec. 75407. *Exercise cycles.*
- Sec. 75408. *Stationary trainers.*
- Sec. 75409. *Multimodality fitness equipment, without integrated contact grip heart rate monitor.*

- Sec. 75410. Multimodality fitness equipment with integrated power sensor to measure the user's upper body power input.*
- Sec. 75411. Parts and accessories for treadmills.*
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- Sec. 75414. Parts and accessories for weight training equipment.*
- Sec. 75415. Parts and accessories for certain exercise equipment machines.*
- Sec. 75416. Lateral elliptical machines.*
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- Sec. 75419. Exercise cycles with dual-position handgrips.*
- Sec. 75420. Exercise cycles with single handgrips.*
- Sec. 75421. Upright exercise cycles.*
- Sec. 75422. Recumbent exercise cycles with touchscreen consoles.*
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- Sec. 75424. Rod gyms, with vertical bench.*
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- Sec. 75426. Foldable treadmills, with LCD consoles with control keypads.*
- Sec. 75427. Foldable treadmills, with touchscreen consoles measuring 44.5 cm or less.*
- Sec. 75428. Indoor cycling machines with wireless data touchscreen displays.*
- Sec. 75429. Indoor cycling machines with LCD consoles and two water bottle holders.*
- Sec. 75430. Indoor cycling machines with LCD consoles and single water bottle holder.*
- Sec. 75431. Recumbent elliptical machines.*
- Sec. 75432. Fitness equipment combining the functions of an elliptical and a stair stepper, weight over 90 kgs.*
- Sec. 75433. Foldable treadmills with touchscreen console greater than 44.4 cm.*
- Sec. 75434. Interactive indoor cycling exercise cycles.*
- Sec. 75435. Multimodality fitness equipment, with integrated contact grip heart rate monitors.*
- Sec. 75436. Fishing reels valued not over \$2.70 each, pre-spooled, with rod and fishing line.*
- Sec. 75437. Fishing reels valued not over \$2.70 each.*
- Sec. 75438. Hard artificial crankbaits.*
- Sec. 75439. Collapsible big game decoys.*
- Sec. 75440. Vacuum steel hinged lid pitchers, not exceeding 1 liter.*
- Sec. 75441. Vacuum insulated drinkware having a capacity exceeding 1 liter but not exceeding 2 liters.*
- Sec. 75442. Vacuum insulated drinkware having a capacity exceeding 2 liters but not exceeding 4 liters.*
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PART II—EXISTING DUTY SUSPENSIONS AND REDUCTIONS

- Sec. 75451. Extension of certain existing duty suspensions and reductions and other modifications.*

PART III—EFFECTIVE DATE

- Sec. 75461. Effective date.*

Subtitle C—Reauthorization of American Manufacturing Competitiveness Act of 2016

Sec. 75471. Reauthorization of American Manufacturing Competitiveness Act of 2016.

TITLE V—AUTHORIZATION OF APPROPRIATIONS

Sec. 76001. Authorization of additional appropriations.

TITLE VI—CUSTOMS USER FEES

Sec. 77001. Extension of customs user fees.

1 ***DIVISION A—CHIPS AND O-RAN***
 2 ***5G EMERGENCY APPROPRIA-***
 3 ***TIONS***

4 ***SEC. 1001. TABLE OF CONTENTS.***

5 *The table of contents for this division is as follows:*

DIVISION A—CHIPS AND O-RAN 5G EMERGENCY APPROPRIATIONS

Sec. 1001. Table of contents.

Sec. 1002. Creating Helpful Incentives to Produce Semiconductors (CHIPS) for America Fund.

Sec. 1003. Appropriations for wireless supply chain innovation.

6 ***SEC. 1002. CREATING HELPFUL INCENTIVES TO PRODUCE***
 7 ***SEMICONDUCTORS (CHIPS) FOR AMERICA***
 8 ***FUND.***

9 *(a) CHIPS FOR AMERICA FUND.—*

10 *(1) ESTABLISHMENT.—There is established in*
 11 *the Treasury of the United States a fund to be known*
 12 *as the “Creating Helpful Incentives to Produce Semi-*
 13 *conductors (CHIPS) for America Fund” (referred to*
 14 *in this subsection as the “Fund”) for the Secretary of*
 15 *Commerce to carry out sections 9902 and 9906 of the*
 16 *William M. (Mac) Thornberry National Defense Au-*
 17 *thorization Act for Fiscal Year 2021 (Public Law*

1 116–283). Amounts in the Fund to carry out section
2 9906 of Public Law 116–283 shall be transferred to
3 and merged with accounts within the Department of
4 Commerce to be used for such purposes.

5 (2) APPROPRIATION.—

6 (A) In addition to amounts otherwise avail-
7 able for such purposes, there is appropriated to
8 the Fund established in subsection (a)(1), out of
9 amounts in the Treasury not otherwise appro-
10 priated—

11 (i) for fiscal year 2022,
12 \$24,000,000,000, to remain available until
13 expended, of which \$19,000,000,000 shall be
14 for section 9902 of Public Law 116–283,
15 \$2,000,000,000 shall be for subsection (c) of
16 section 9906 of Public Law 116–283,
17 \$2,500,000,000 shall be for subsection (d) of
18 section 9906 of Public Law 116–283, and
19 \$500,000,000 shall be for subsections (e) and
20 (f) of section 9906 of Public Law 116–283;

21 (ii) for fiscal year 2023,
22 \$7,000,000,000 to remain available until
23 expended, of which \$5,000,000,000 shall be
24 for section 9902 of Public Law 116–283 and
25 \$2,000,000,000 shall be for subsections (c),

1 (d), (e), and (f) of section 9906 of Public
2 Law 116–283;

3 (iii) for fiscal year 2024,
4 \$6,300,000,000, to remain available until
5 expended, of which \$5,000,000,000 shall be
6 for section 9902 of Public Law 116–283 and
7 \$1,300,000,000 shall be for subsections (c),
8 (d), (e), and (f) of section 9906 of Public
9 Law 116–283;

10 (iv) for fiscal year 2025,
11 \$6,100,000,000, to remain available until
12 expended, of which \$5,000,000,000 shall be
13 for section 9902 of Public Law 116–283 and
14 \$1,100,000,000 shall be for subsections (c),
15 (d), (e), and (f) of section 9906 of Public
16 Law 116–283; and

17 (v) for fiscal year 2026,
18 \$6,800,000,000, to remain available until
19 expended, of which \$5,000,000,000 shall be
20 for section 9902 of Public Law 116– 283
21 and \$1,800,000,000 shall be for subsections
22 (c), (d), (e), and (f) of section 9906 of Pub-
23 lic Law 116–283.

24 (B) In carrying out this subsection, the Sec-
25 retary of Commerce may use up to 2 percent of

1 *the amounts made available in each fiscal year*
2 *for salaries and expenses, administration, and*
3 *oversight purposes, of which \$5,000,000 in each*
4 *of fiscal years 2022 through 2026 shall be trans-*
5 *ferred to the Office of Inspector General of the*
6 *Department of Commerce to oversee expenditures*
7 *from the Fund.*

8 (3) *ASSISTANCE FOR MATURE TECHNOLOGY*
9 *NODES.—*

10 (A) *Of the amount available in fiscal year*
11 *2022 to implement section 9902 of Public Law*
12 *116–283, \$2,000,000,000 shall be to provide Fed-*
13 *eral financial assistance to covered entities to*
14 *incentivize investment in facilities and equip-*
15 *ment in the United States for the fabrication, as-*
16 *sembly, testing, or advanced packaging of semi-*
17 *conductors at mature technology nodes.*

18 (B) *In addition to the procedures, eligi-*
19 *bility, and considerations for review specified in*
20 *subsection 9902(a)(2) of Public Law 116–283, in*
21 *order to for an entity to qualify to receive Fed-*
22 *eral financial assistance under this paragraph,*
23 *the covered entity shall—*

24 (i)(I) *provide equipment or materials*
25 *for the fabrication, assembly, testing, or ad-*

1 *vanced packaging of semiconductors at ma-*
2 *ture technology nodes in the United States;*
3 *or*

4 *(II) fabricate, assemble using advanced*
5 *packaging, or test semiconductors at mature*
6 *technology nodes in the United States; and*

7 *(ii) commit to using any Federal fi-*
8 *nancial assistance received under this sec-*
9 *tion to increase the production of semi-*
10 *conductors at mature technology nodes.*

11 *(C) In addition to the considerations de-*
12 *scribed in subsection 9902(a)(2)(C) of Public*
13 *Law 116–283, in granting Federal financial as-*
14 *sistance under this paragraph, the Secretary*
15 *may consider whether a covered entity produces*
16 *or supplies equipment or materials used in the*
17 *fabrication, assembly, testing, or advanced pack-*
18 *aging of semiconductors at mature technology*
19 *nodes that are necessary to support a critical*
20 *manufacturing industry.*

21 *(D) In awarding Federal financial assist-*
22 *ance to covered entities under this paragraph,*
23 *the Secretary shall give priority to covered enti-*
24 *ties that support the resiliency of semiconductor*

1 *supply chains for critical manufacturing indus-*
2 *tries in the United States.*

3 *(E) In this paragraph, the term “critical*
4 *manufacturing industry”—*

5 *(i) means an industry that is assigned*
6 *a North American Industry Classification*
7 *System code beginning with 31, 32, or 33,*
8 *and for which the industry components that*
9 *are assigned a North American Industry*
10 *Classification System code beginning with*
11 *the same 4 digits as the industry—*

12 *(I) manufacture primary products*
13 *and parts, the sum of which account*
14 *for not less than 5 percent of the man-*
15 *ufacturing value added by industry*
16 *gross domestic product of the United*
17 *States; and*

18 *(II) employ individuals for pri-*
19 *mary products and parts manufac-*
20 *turing activities that, combined, ac-*
21 *count for not less than 5 percent of*
22 *manufacturing employment in the*
23 *United States; and*

24 *(ii) may include any other manufac-*
25 *turing industry designated by the Secretary*

1 *based on the relevance of the manufacturing*
2 *industry to the national and economic secu-*
3 *rity of the United States, including the im-*
4 *pacts of job losses.*

5 *(F) In this paragraph, the term “mature*
6 *technology node” has the meaning given the term*
7 *by the Secretary of Commerce.*

8 *(4) ALLOCATION AUTHORITY.—*

9 *(A) SUBMISSION OF COST ESTIMATES.—The*
10 *President shall submit to Congress detailed ac-*
11 *count, program, and project allocations of the*
12 *full amount made available under subsection*
13 *(a)(2)—*

14 *(i) for fiscal year 2022, not later than*
15 *90 days after the date of enactment of this*
16 *Act; and*

17 *(ii) for each fiscal year through 2026,*
18 *as part of the annual budget submission of*
19 *the President under section 1105(a) of title*
20 *31, United States Code.*

21 *(B) ALTERNATE ALLOCATION.—*

22 *(i) IN GENERAL.—The Committees on*
23 *Appropriations of the House of Representa-*
24 *tives and the Senate may provide for alter-*
25 *nate allocation of amounts made available*

1 under subsection (a)(2), including by ac-
2 count, program, and project.

3 (ii) *ALLOCATION BY PRESIDENT.*—

4 (I) *NO ALTERNATE ALLOCA-*
5 *TIONS.*—*If Congress has not enacted*
6 *legislation establishing alternate allo-*
7 *cations, including by account, pro-*
8 *gram, and project, by the date on*
9 *which the Act making full-year appro-*
10 *priations for the Department of Com-*
11 *merce, Justice, Science, and Related*
12 *Agencies for the applicable fiscal year*
13 *is enacted into law, only then shall*
14 *amounts made available under sub-*
15 *section (a)(2) be allocated by the Presi-*
16 *dent or apportioned or allotted by ac-*
17 *count, program, and project pursuant*
18 *to title 31, United States Code.*

19 (II) *INSUFFICIENT ALTERNATE*
20 *ALLOCATION.*—*If Congress enacts legis-*
21 *lation establishing alternate alloca-*
22 *tions, including by account, program,*
23 *and project, for amounts made avail-*
24 *able under subsection (a)(2) that are*
25 *less than the full amount appropriated*

1 *under that subsection, the difference be-*
2 *tween the amount appropriated and*
3 *the alternate allocation shall be allo-*
4 *cated by the President and apportioned*
5 *and allotted by account, program, and*
6 *project pursuant to title 31, United*
7 *States Code.*

8 *(b) CHIPS FOR AMERICA DEFENSE FUND.—*

9 *(1) ESTABLISHMENT.—There is established in*
10 *the Treasury of the United States a fund to be known*
11 *as the “Creating Helpful Incentives to Produce Semi-*
12 *conductors (CHIPS) for America Defense Fund” (re-*
13 *ferred to in this subsection as the “Fund”) to provide*
14 *for research, development, test and evaluation, work-*
15 *force development, and other requirements that are*
16 *unique to the Department of Defense and the intel-*
17 *ligence community, including those requirements that*
18 *are necessary to carry out section 9903(b) of the Wil-*
19 *liam M. (Mac) Thornberry National Defense Author-*
20 *ization Act for Fiscal Year 2021 (Public Law 116–*
21 *283). Amounts in the Fund shall be transferred to*
22 *and merged with accounts within the Department of*
23 *Defense to be used for such purposes. Amounts in the*
24 *Fund or transferred to and merged with accounts*

1 *within the Department of Defense may not be used for*
2 *construction of facilities.*

3 (2) *APPROPRIATION.—In addition to amounts*
4 *otherwise available for such purposes, there is appro-*
5 *propriated to the Fund established in subsection (b)(1),*
6 *out of amounts in the Treasury not otherwise appro-*
7 *propriated—*

8 (A) *for fiscal year 2022, \$400,000,000, to*
9 *remain available until September 30, 2022;*

10 (B) *for fiscal year 2023, \$400,000,000, to*
11 *remain available until September 30, 2023;*

12 (C) *for fiscal year 2024, \$400,000,000, to*
13 *remain available until September 30, 2024;*

14 (D) *for fiscal year 2025, \$400,000,000, to*
15 *remain available until September 30, 2025; and*

16 (E) *for fiscal year 2026, \$400,000,000, to*
17 *remain available until September 30, 2026.*

18 (3) *ALLOCATION AUTHORITY.—*

19 (A) *SUBMISSION OF COST ESTIMATES.—The*
20 *President shall submit to Congress detailed ac-*
21 *count, program element, and project allocations*
22 *of the full amount made available under sub-*
23 *section (b)(2)—*

1 (i) for fiscal year 2022, not later than
2 90 days after the date of enactment of this
3 Act; and

4 (ii) for each fiscal year through 2026,
5 as part of the annual budget submission of
6 the President under section 1105(a) of title
7 31, United States Code.

8 (B) ALTERNATE ALLOCATION.—

9 (i) IN GENERAL.—The Committees on
10 Appropriations of the House of Representa-
11 tives and the Senate may provide for alter-
12 nate allocation of amounts made available
13 under subsection (b)(2), including by ac-
14 count, program element, and project.

15 (ii) ALLOCATION BY PRESIDENT.—

16 (I) NO ALTERNATE ALLOCA-
17 TIONS.—If Congress has not enacted
18 legislation establishing alternate allo-
19 cations, including by account, program
20 element, and project, by the date on
21 which the Act making full-year appro-
22 priations for the Department of De-
23 fense for the applicable fiscal year is
24 enacted into law, only then shall
25 amounts made available under sub-

1 *section (b)(2) be allocated by the Presi-*
2 *dent or apportioned or allotted by ac-*
3 *count, program element, and project*
4 *pursuant to title 31, United States*
5 *Code.*

6 (II) *INSUFFICIENT ALTERNATE*
7 *ALLOCATION.—If Congress enacts legis-*
8 *lation establishing alternate alloca-*
9 *tions, including by account, program*
10 *element, and project, for amounts made*
11 *available under subsection (b)(2) that*
12 *are less than the full amount appro-*
13 *priated under that subsection, the dif-*
14 *ference between the amount appro-*
15 *priated and the alternate allocation*
16 *shall be allocated by the President and*
17 *apportioned and allotted by account,*
18 *program element, and project pursuant*
19 *to title 31, United States Code.*

20 (c) *CHIPS FOR AMERICA INTERNATIONAL TECH-*
21 *NOLOGY SECURITY AND INNOVATION FUND.—*

22 (1) *ESTABLISHMENT.—There is established in*
23 *the Treasury of the United States a fund to be known*
24 *as the “Creating Helpful Incentives to Produce Semi-*
25 *conductors (CHIPS) for America International Tech-*

1 *nology Security and Innovation Fund” (referred to in*
2 *this subsection as the “Fund”) to provide for inter-*
3 *national information and communications technology*
4 *security and semiconductor supply chain activities,*
5 *including to support the development and adoption of*
6 *secure and trusted telecommunications technologies,*
7 *secure semiconductors, secure semiconductors supply*
8 *chains, and other emerging technologies and to carry*
9 *out sections 9905 and 9202(a)(2) of the William M.*
10 *(Mac) Thornberry National Defense Authorization Act*
11 *for Fiscal Year 2021 (Public Law 116–283), as ap-*
12 *propriate. Amounts in the Fund shall be transferred*
13 *by the Secretary of State to accounts within the De-*
14 *partment of State, the United States Agency for*
15 *International Development, the Export-Import Bank,*
16 *and the United States International Development Fi-*
17 *nance Corporation, as appropriate, to be used for*
18 *such purposes and under the terms and conditions of*
19 *the account to which transferred.*

20 (2) *APPROPRIATION.—*

21 (A) *In addition to amounts otherwise avail-*
22 *able for such purposes, there is appropriated to*
23 *the Fund established in subsection (c)(1), out of*
24 *amounts in the Treasury not otherwise appro-*
25 *priated—*

1 (i) for fiscal year 2022, \$100,000,000,
2 to remain available until September 30,
3 2026;

4 (ii) for fiscal year 2023, \$100,000,000,
5 to remain available until September 30,
6 2027;

7 (iii) for fiscal year 2024, \$100,000,000,
8 to remain available until September 30,
9 2028;

10 (iv) for fiscal year 2025, \$100,000,000,
11 to remain available until September 30,
12 2029; and

13 (v) for fiscal year 2026, \$100,000,000,
14 to remain available until September 30,
15 2030.

16 (B) In carrying out this subsection, the Sec-
17 retary of State may use up to \$5,000,000 of the
18 amounts made available in each fiscal year for
19 the Fund for salaries and expenses, administra-
20 tion, and oversight purposes, of which \$500,000
21 in each of fiscal years 2022 through 2026 shall
22 be transferred to the Office of Inspector General
23 of the Department of State to oversee expendi-
24 tures under the Fund.

25 (3) ALLOCATION AUTHORITY.—

1 (A) *SUBMISSION OF COST ESTIMATES.*—*The*
2 *President shall submit to Congress detailed ac-*
3 *count, program, project, and activity allocations*
4 *of the full amount made available under sub-*
5 *section (c)(2)—*

6 *(i) for fiscal year 2022, not later than*
7 *90 days after the date of enactment of this*
8 *Act; and*

9 *(ii) for each fiscal year through 2026,*
10 *as part of the annual budget submission of*
11 *the President under section 1105(a) of title*
12 *31, United States Code.*

13 (B) *ALTERNATE ALLOCATION.*—

14 *(i) IN GENERAL.*—*The Committees on*
15 *Appropriations of the House of Representa-*
16 *tives and the Senate may provide for alter-*
17 *nate allocation of amounts made available*
18 *under subsection (c)(2), including by ac-*
19 *count, program, project, and activity.*

20 *(ii) ALLOCATION BY PRESIDENT.*—

21 (I) *NO ALTERNATE ALLOCA-*
22 *TIONS.*—*If Congress has not enacted*
23 *legislation establishing alternate allo-*
24 *cations, including by account, pro-*
25 *gram, project, and activity, by the date*

1 *on which the Act making full-year ap-*
2 *propriations for the Department of*
3 *State, Foreign Operations, and Related*
4 *Programs for the applicable fiscal year*
5 *is enacted into law, only then shall*
6 *amounts made available under sub-*
7 *section (c)(2) be allocated by the Presi-*
8 *dent or apportioned or allotted by ac-*
9 *count, program, project, and activity*
10 *pursuant to title 31, United States*
11 *Code.*

12 *(II) INSUFFICIENT ALTERNATE*
13 *ALLOCATION.—If Congress enacts legis-*
14 *lation establishing alternate alloca-*
15 *tions, including by account, program,*
16 *project, and activity, for amounts*
17 *made available under subsection (c)(2)*
18 *that are less than the full amount ap-*
19 *propriated under that subsection, the*
20 *difference between the amount appro-*
21 *priated and the alternate allocation*
22 *shall be allocated by the President and*
23 *apportioned and allotted by account,*
24 *program, project, and activity pursu-*
25 *ant to title 31, United States Code.*

1 (d) *SEQUESTRATION.*—Section 255(g)(1)(A) of the
2 *Balanced Budget and Emergency Deficit Control Act of*
3 *1985 (2 U.S.C. 905(g)(1)(A)) is amended by inserting after*
4 *“Continuing Fund, Southwestern Power Administration*
5 *(89–5649–0–2–271).” the following:*

6 *“Creating Helpful Incentives to Produce*
7 *Semiconductors (CHIPS) for America Fund.*

8 *“Creating Helpful Incentives to Produce*
9 *Semiconductors (CHIPS) for America Defense*
10 *Fund.*

11 *“Creating Helpful Incentives to Produce*
12 *Semiconductors (CHIPS) for America Inter-*
13 *national Technology Security and Innovation*
14 *Fund.”.*

15 (e) *EMERGENCY DESIGNATION.*—

16 (1) *IN GENERAL.*—*The amounts provided under*
17 *this section are designated as an emergency require-*
18 *ment pursuant to section 4(g) of the Statutory Pay-*
19 *As-You-Go Act of 2010 (2 U.S.C. 933(g)).*

20 (2) *DESIGNATION IN SENATE.*—*In the Senate,*
21 *this section is designated as an emergency require-*
22 *ment pursuant to section 4112(a) of H. Con. Res. 71*
23 *(115th Congress), the concurrent resolution on the*
24 *budget for fiscal year 2018.*

1 **SEC. 1003. APPROPRIATIONS FOR WIRELESS SUPPLY CHAIN**
2 **INNOVATION.**

3 (a) *DIRECT APPROPRIATIONS.*—*In addition to*
4 *amounts otherwise available for such purposes, there is ap-*
5 *propriated to the Public Wireless Supply Chain Innovation*
6 *Fund established under section 9202(a)(1) of the William*
7 *M. (Mac) Thornberry National Defense Authorization Act*
8 *for Fiscal Year 2021 (Public Law 116–283), out of amounts*
9 *in the Treasury not otherwise appropriated, \$1,500,000,000*
10 *for fiscal year 2022, to remain available through September*
11 *30, 2031.*

12 (b) *USE OF FUNDS, ADMINISTRATION, AND OVER-*
13 *SIGHT.*—*Of the amounts made available under subsection*
14 (a)—

15 (1) *not more than 5 percent of the amounts allo-*
16 *cated pursuant to subsection (c) in a given fiscal year*
17 *may be used by the Assistant Secretary of Commerce*
18 *for Communications and Information to administer*
19 *the programs funded from the Public Wireless Supply*
20 *Chain Innovation Fund; and*

21 (2) *not less than \$2,000,000 per fiscal year shall*
22 *be transferred to the Office of Inspector General of the*
23 *Department of Commerce for oversight related to ac-*
24 *tivities conducted using amounts provided under this*
25 *section.*

26 (c) *ALLOCATION AUTHORITY.*—

1 (1) *SUBMISSION OF COST ESTIMATES.*—*The*
2 *President shall submit to Congress detailed account,*
3 *program, and project allocations of the amount rec-*
4 *ommended for allocation in a fiscal year from*
5 *amounts made available under subsection (a)—*

6 *(A) for fiscal year 2022, not later than 90*
7 *days after the date of enactment of this Act; and*

8 *(B) for each subsequent fiscal year through*
9 *2031, as part of the annual budget submission of*
10 *the President under section 1105(a) of title 31,*
11 *United States Code.*

12 (2) *ALTERNATE ALLOCATION.*—

13 *(A) IN GENERAL.*—*The Committees on Ap-*
14 *propriations of the House of Representatives and*
15 *the Senate may provide for alternate allocation*
16 *of amounts recommended for allocation in a*
17 *given fiscal year from amounts made available*
18 *under subsection (a), including by account, pro-*
19 *gram, and project.*

20 *(B) ALLOCATION BY PRESIDENT.*—

21 *(i) NO ALTERNATE ALLOCATIONS.*—*If*
22 *Congress has not enacted legislation estab-*
23 *lishing alternate allocations, including by*
24 *account, program, and project, by the date*
25 *on which the Act making full-year appro-*

1 *priations for the Departments of Commerce*
2 *and Justice, Science, and Related Agencies*
3 *for the applicable fiscal year is enacted into*
4 *law, only then shall amounts recommended*
5 *for allocation for that fiscal year from*
6 *amounts made available under subsection*
7 *(a) be allocated by the President or appor-*
8 *tioned or allotted by account, program, and*
9 *project pursuant to title 31, United States*
10 *Code.*

11 *(ii) INSUFFICIENT ALTERNATE ALLOCA-*
12 *TION.—If Congress enacts legislation estab-*
13 *lishing alternate allocations, including by*
14 *account, program, and project, for amounts*
15 *recommended for allocation in a given fiscal*
16 *year from amounts made available under*
17 *subsection (a) that are less than the full*
18 *amount recommended for allocation for that*
19 *fiscal year, the difference between the*
20 *amount recommended for allocation and the*
21 *alternate allocation shall be allocated by the*
22 *President and apportioned and allotted by*
23 *account, program, and project pursuant to*
24 *title 31, United States Code.*

1 (d) *SEQUESTRATION.*—Section 255(g)(1)(A) of the
 2 *Balanced Budget and Emergency Deficit Control Act of*
 3 *1985 (2 U.S.C. 905(g)(1)(A)) is amended by inserting after*
 4 *“Postal Service Fund (18–4020–0–3–372).” the following:*

5 *“Public Wireless Supply Chain Innovation*
 6 *Fund.”.*

7 (e) *EMERGENCY DESIGNATION.*—

8 (1) *IN GENERAL.*—*The amounts provided under*
 9 *this section are designated as an emergency require-*
 10 *ment pursuant to section 4(g) of the Statutory Pay-*
 11 *As-You-Go Act of 2010 (2 U.S.C. 933(g)).*

12 (2) *DESIGNATION IN SENATE.*—*In the Senate,*
 13 *this section is designated as an emergency require-*
 14 *ment pursuant to section 4112(a) of H. Con. Res. 71*
 15 *(115th Congress), the concurrent resolution on the*
 16 *budget for fiscal year 2018.*

17 ***DIVISION B—ENDLESS***
 18 ***FRONTIER ACT***

19 ***SEC. 2001. SHORT TITLE; TABLE OF CONTENTS.***

20 (a) *SHORT TITLE.*—*This division may be cited as the*
 21 *“Endless Frontier Act”.*

22 (b) *TABLE OF CONTENTS.*—*The table of contents of this*
 23 *division is as follows:*

DIVISION B—ENDLESS FRONTIER ACT

Sec. 2001. Short title; table of contents.

Sec. 2002. Definitions.

Sec. 2003. Sense of Congress.

Sec. 2004. Interagency working group.

Sec. 2005. Key technology focus areas.

TITLE I—NSF TECHNOLOGY AND INNOVATION

Sec. 2101. Definitions.

Sec. 2102. Directorate establishment and purpose.

Sec. 2103. Personnel management.

Sec. 2104. Innovation centers.

Sec. 2105. Transition of NSF programs.

Sec. 2106. Providing scholarships, fellowships, and other student support.

Sec. 2107. Research and development.

Sec. 2108. Test beds.

Sec. 2109. Academic technology transfer.

Sec. 2110. Capacity-building program for developing universities.

Sec. 2111. Technical assistance.

Sec. 2112. Coordination of activities.

Sec. 2113. Reporting requirements.

Sec. 2114. Hands-on learning program.

Sec. 2115. Intellectual property protection.

Sec. 2116. Authorization of appropriations for the Foundation.

Sec. 2117. Authorization of appropriations for the Department of Energy.

Sec. 2118. Authorization of appropriations for the Defense Advanced Research Projects Agency.

TITLE II—NSF RESEARCH, STEM, AND GEOGRAPHIC DIVERSITY INITIATIVES

Sec. 2201. Chief Diversity Officer of the NSF.

Sec. 2202. Programs to address the STEM workforce.

Sec. 2203. Emerging research institution pilot program.

Sec. 2204. Personnel management authorities for the Foundation.

Sec. 2205. Advanced Technological Manufacturing Act.

Sec. 2206. Intramural emerging institutions pilot program.

Sec. 2207. Public-private partnerships.

Sec. 2208. AI Scholarship-for-Service Act.

Sec. 2209. Geographic diversity.

Sec. 2210. Rural STEM Education Act.

Sec. 2211. Quantum Network Infrastructure and Workforce Development Act.

Sec. 2212. Supporting Early-Career Researchers Act.

Sec. 2213. Advancing Precision Agriculture Capabilities Act.

Sec. 2214. Critical minerals mining research.

Sec. 2215. Caregiver policies.

Sec. 2216. Presidential awards.

Sec. 2217. Bioeconomy Research and Development Act of 2021.

Sec. 2218. Microgravity utilization policy.

TITLE III—RESEARCH SECURITY

Sec. 2301. National Science Foundation research security.

Sec. 2302. Research security and integrity information sharing analysis organization.

Sec. 2303. Foreign government talent recruitment program prohibition.

Sec. 2304. Additional requirements for Directorate research security.

Sec. 2305. Protecting research from cyber theft.

Sec. 2306. International standards development.

- Sec. 2307. Research funds accounting.*
Sec. 2308. Plan with respect to sensitive or controlled information and background screening.

TITLE IV—REGIONAL INNOVATION CAPACITY

- Sec. 2401. Regional technology hubs.*
Sec. 2402. Manufacturing USA Program.
Sec. 2403. Establishment of expansion awards program in Hollings Manufacturing Extension Partnership and authorization of appropriations for the Partnership.
Sec. 2404. National Manufacturing Advisory Council.

TITLE V—MISCELLANEOUS

- Sec. 2501. Strategy and report on economic security, science, research, and innovation to support the national security strategy.*
Sec. 2502. Person or entity of concern prohibition.
Sec. 2503. Study on emerging science and technology challenges faced by the United States and recommendations to address them.
Sec. 2504. Report on global semiconductor shortage.
Sec. 2505. Supply chain resiliency program.
Sec. 2506. Semiconductor incentives.
Sec. 2507. Research Investment to Spark the Economy Act.
Sec. 2508. Office of Manufacturing and Industrial Innovation Policy.
Sec. 2509. Telecommunications Workforce Training Grant Program.
Sec. 2510. Country Of Origin Labeling Online Act.
Sec. 2511. Country of origin labeling for king crab and tanner crab.
Sec. 2512. Internet exchanges and submarine cables.
Sec. 2513. Study of sister city partnerships operating within the United States involving foreign communities in countries with significant public sector corruption.
Sec. 2514. Prohibition on transfer, assignment, or disposition of construction permits and station licenses to entities subject to undue influence by the Chinese Communist Party or the Government of the People's Republic of China.
Sec. 2515. Limitation on nuclear cooperation with the People's Republic of China.
Sec. 2516. Certification.
Sec. 2517. Fairness and due process in standards-setting bodies.
Sec. 2518. Shark fin sales elimination.
Sec. 2519. Sense of Congress on forced labor.
Sec. 2520. Open network architecture.
Sec. 2521. Combatting sexual harassment in science.
Sec. 2522. National Science Corps.
Sec. 2523. Annual report on foreign research.
Sec. 2524. Accelerating Unmanned Maritime Systems Research.
Sec. 2525. Foundation funding to institutions hosting or supporting confucius institutes.
Sec. 2526. Supporting documents.
Sec. 2527. BASIC Research.
Sec. 2528. Foundation for Energy Security and Innovation.

TITLE VI—SPACE MATTERS

Subtitle A—SPACE Act

- Sec. 2601. *Short title.*
 Sec. 2602. *Sense of Congress.*
 Sec. 2603. *Definitions.*
 Sec. 2604. *Space situational awareness data, information, and services: provision to non-United States Government entities.*
 Sec. 2605. *Centers of Excellence for Space Situational Awareness.*

Subtitle B—National Aeronautics and Space Administration Authorization Act

- Sec. 2611. *Short title.*
 Sec. 2612. *Definitions.*

PART I—AUTHORIZATION OF APPROPRIATIONS

- Sec. 2613. *Authorization of appropriations.*

PART II—HUMAN SPACEFLIGHT AND EXPLORATION

- Sec. 2614. *Competitiveness within the human landing system program.*
 Sec. 2615. *Space launch system configurations.*
 Sec. 2616. *Advanced spacesuits.*
 Sec. 2617. *Acquisition of domestic space transportation and logistics resupply services.*
 Sec. 2618. *Rocket engine test infrastructure.*
 Sec. 2619. *Pearl River maintenance.*
 Sec. 2620. *Value of International Space Station and capabilities in low-Earth orbit.*
 Sec. 2621. *Extension and modification relating to International Space Station.*
 Sec. 2622. *Department of Defense activities on International Space Station.*
 Sec. 2623. *Commercial development in low-Earth orbit.*
 Sec. 2624. *Maintaining a national laboratory in space.*
 Sec. 2625. *International Space Station national laboratory; property rights in inventions.*
 Sec. 2626. *Data first produced during non-NASA scientific use of the ISS national laboratory.*
 Sec. 2627. *Payments received for commercial space-enabled production on the ISS.*
 Sec. 2628. *Stepping stone approach to exploration.*
 Sec. 2629. *Technical amendments relating to Artemis missions.*

PART III—SCIENCE

- Sec. 2631. *Science priorities.*
 Sec. 2632. *Lunar discovery program.*
 Sec. 2633. *Search for life.*
 Sec. 2634. *James Webb Space Telescope.*
 Sec. 2635. *Nancy Grace Roman Space Telescope.*
 Sec. 2636. *Study on satellite servicing for science missions.*
 Sec. 2637. *Earth science missions and programs.*
 Sec. 2638. *Life science and physical science research.*
 Sec. 2639. *Science missions to Mars.*
 Sec. 2640. *Planetary Defense Coordination Office.*
 Sec. 2641. *Suborbital science flights.*

- Sec. 2642. Earth science data and observations.*
Sec. 2643. Sense of Congress on small satellite science.
Sec. 2644. Sense of Congress on commercial space services.
Sec. 2645. Procedures for identifying and addressing alleged violations of scientific integrity policy.

PART IV—AERONAUTICS

- Sec. 2646. Short title.*
Sec. 2647. Definitions.
Sec. 2648. Experimental aircraft projects.
Sec. 2649. Unmanned aircraft systems.
Sec. 2650. 21st Century Aeronautics Capabilities Initiative.
Sec. 2651. Sense of Congress on on-demand air transportation.
Sec. 2652. Sense of Congress on hypersonic technology research.

PART V—SPACE TECHNOLOGY

- Sec. 2653. Space Technology Mission Directorate.*
Sec. 2654. Flight opportunities program.
Sec. 2655. Small Spacecraft Technology Program.
Sec. 2656. Nuclear propulsion technology.
Sec. 2657. Mars-forward technologies.
Sec. 2658. Prioritization of low-enriched uranium technology.
Sec. 2659. Sense of Congress on next-generation communications technology.
Sec. 2660. Lunar surface technologies.

PART VI—STEM ENGAGEMENT

- Sec. 2661. Sense of Congress.*
Sec. 2662. STEM education engagement activities.
Sec. 2663. Skilled technical education outreach program.
Sec. 2664. National space grant college and fellowship program.

PART VII—WORKFORCE AND INDUSTRIAL BASE

- Sec. 2665. Appointment and compensation pilot program.*
Sec. 2666. Establishment of multi-institution consortia.
Sec. 2667. Expedited access to technical talent and expertise.
Sec. 2668. Report on industrial base for civil space missions and operations.
Sec. 2669. Separations and retirement incentives.
Sec. 2670. Confidentiality of medical quality assurance records.

PART VIII—MISCELLANEOUS PROVISIONS

- Sec. 2671. Contracting authority.*
Sec. 2672. Authority for transaction prototype projects and follow-on production contracts.
Sec. 2673. Protection of data and information from public disclosure.
Sec. 2674. Physical security modernization.
Sec. 2675. Lease of non-excess property.
Sec. 2676. Cybersecurity.
Sec. 2677. Limitation on cooperation with the People's Republic of China.
Sec. 2678. Consideration of issues related to contracting with entities receiving assistance from or affiliated with the People's Republic of China.
Sec. 2679. Small satellite launch services program.
Sec. 2680. 21st century space launch infrastructure.

- Sec. 2681. *Missions of national need.*
 Sec. 2682. *Drinking water well replacement for Chincoteague, Virginia.*
 Sec. 2683. *Passenger carrier use.*
 Sec. 2684. *Use of commercial near-space balloons.*
 Sec. 2685. *President’s Space Advisory Board.*
 Sec. 2686. *Initiative on technologies for noise and emissions reductions.*
 Sec. 2687. *Remediation of sites contaminated with trichloroethylene.*
 Sec. 2688. *Review on preference for domestic suppliers.*
 Sec. 2689. *Report on use of commercial spaceports licensed by the Federal Aviation Administration.*
 Sec. 2690. *Active orbital debris mitigation.*
 Sec. 2691. *Study on commercial communications services.*

1 **SEC. 2002. DEFINITIONS.**

2 *Unless otherwise specified, in this division:*

3 (1) *APPRENTICESHIP.*—*The term “apprentice-*
 4 *ship” means an apprenticeship registered under the*
 5 *Act of August 16, 1937 (commonly known as the “Na-*
 6 *tional Apprenticeship Act”;* 50 Stat. 664, chapter
 7 *663; 29 U.S.C. 50 et seq.) that meets the standards*
 8 *of subpart A of part 29 and part 30 of title 29, Code*
 9 *of Federal Regulations.*

10 (2) *DIRECTOR.*—*The term “Director” means the*
 11 *Director of the National Science Foundation.*

12 (3) *DIRECTORATE.*—*The term “Directorate”*
 13 *means the Directorate for Technology and Innovation*
 14 *established under section 2102.*

15 (4) *EMERGING RESEARCH INSTITUTION.*—*The*
 16 *term “emerging research institution” means an insti-*
 17 *tution of higher education with an established under-*
 18 *graduate or graduate program that has, on average*
 19 *for the 3 years prior to an application for an award*

1 *under this division, received less than \$50,000,000 in*
2 *Federal research funding.*

3 (5) *EPSCoR.*—*The term “EPSCoR” means the*
4 *Established Program to Stimulate Competitive Re-*
5 *search under section 113 of the National Science*
6 *Foundation Authorization Act of 1988 (42 U.S.C.*
7 *1862g).*

8 (6) *FOUNDATION.*—*The term “Foundation”*
9 *means the National Science Foundation.*

10 (7) *HISTORICALLY BLACK COLLEGE OR UNIVER-*
11 *SITY.*—*The term “historically Black college or univer-*
12 *sity” has the meaning given the term “part B institu-*
13 *tion” in section 322 of the Higher Education Act of*
14 *1965 (20 U.S.C. 1061).*

15 (8) *INSTITUTION OF HIGHER EDUCATION.*—*The*
16 *term “institution of higher education” has the mean-*
17 *ing given the term in section 101 of the Higher Edu-*
18 *cation Act of 1965 (20 U.S.C. 1001).*

19 (9) *KEY TECHNOLOGY FOCUS AREAS.*—*The term*
20 *“key technology focus areas” means the areas included*
21 *on the most recent list under section 2005.*

22 (10) *MINORITY-SERVING INSTITUTION.*—*The*
23 *term “minority-serving institution” means an insti-*
24 *tution described in section 371(a) of the Higher Edu-*
25 *cation Act of 1965 (20 U.S.C. 1067q(a)).*

1 (11) *NATIONAL LABORATORY*.—*The term “Na-*
2 *tional Laboratory”, without respect to capitalization,*
3 *has the meaning given the term in section 2 of the*
4 *Energy Policy Act of 2005 (42 U.S.C. 15801).*

5 (12) *STEM*.—*The term “STEM” means the aca-*
6 *demie and professional disciplines of science, tech-*
7 *nology, engineering, and mathematics, including com-*
8 *puter science.*

9 **SEC. 2003. SENSE OF CONGRESS.**

10 *It is the sense of Congress that—*

11 (1) *the National Science Foundation, the De-*
12 *partment of Energy and its National Laboratories,*
13 *and other key Federal agencies have carried out vital*
14 *work supporting basic and applied research to create*
15 *knowledge that is a key driver of the economy of the*
16 *United States and a critical component of national*
17 *security;*

18 (2) *openness to diverse perspectives and a focus*
19 *on freedom from censorship and political bias will*
20 *continue to make educational and research institu-*
21 *tions in the United States beacons to thousands of*
22 *students from across the world;*

23 (3) *increasing research and technology transfer*
24 *investments, building regional capacity and reducing*
25 *geographic disparity, strengthening supply chains,*

1 *and increasing capabilities in key technology focus*
2 *areas will enhance the competitive advantage and*
3 *leadership of the United States in the global economy;*

4 *(4) the Federal Government must utilize the full*
5 *talent and potential of the entire Nation by avoiding*
6 *undue geographic concentration of research and edu-*
7 *cation funding, encouraging broader participation of*
8 *populations underrepresented in STEM, and collabo-*
9 *rating with non-government partners to ensure the*
10 *leadership of the United States in technological inno-*
11 *vation; and*

12 *(5) authorization and funding for investments in*
13 *research, education, technology transfer, intellectual*
14 *property, manufacturing, and other core strengths of*
15 *the United States innovation ecosystem, including at*
16 *the National Science Foundation and the Department*
17 *of Energy, should be done on a bipartisan basis.*

18 **SEC. 2004. INTERAGENCY WORKING GROUP.**

19 *(a) ESTABLISHMENT.—The Director of the Office of*
20 *Science and Technology Policy, acting through the National*
21 *Science and Technology Council, shall establish or designate*
22 *an interagency working group to coordinate the activities*
23 *specified in subsection (c).*

24 *(b) COMPOSITION.—The interagency working group*
25 *shall be composed of the following members (or their des-*

1 *ignees), who may be organized into subcommittees, as ap-*
2 *propriate:*

3 (1) *The Secretary of Commerce.*

4 (2) *The Director of the National Science Foun-*
5 *dation.*

6 (3) *The Secretary of Energy.*

7 (4) *The Secretary of Defense.*

8 (5) *The Director of the National Economic*
9 *Council.*

10 (6) *The Director of the Office of Management*
11 *and Budget.*

12 (7) *The Secretary of Health and Human Serv-*
13 *ices.*

14 (8) *The Administrator of the National Aero-*
15 *navics and Space Administration.*

16 (9) *The Secretary of Agriculture.*

17 (10) *The Director of National Intelligence.*

18 (11) *The Director of the Federal Bureau of In-*
19 *vestigation.*

20 (12) *Such other Federal officials as the Director*
21 *of the Office of Science and Technology Policy con-*
22 *siders appropriate, including members of the National*
23 *Science and Technology Council Committee on Tech-*
24 *nology.*

1 (c) *COORDINATION.*—*The interagency working group*
2 *shall seek to ensure that the activities of different Federal*
3 *agencies enhance and complement, but, as appropriate, do*
4 *not duplicate, efforts being carried out by another Federal*
5 *agency, with a focus on—*

6 (1) *the activities of the National Science Foun-*
7 *dation Technology and Innovation Directorate in the*
8 *key technology focus areas, such as within the innova-*
9 *tion centers under section 2104 and test beds under*
10 *section 2108 under this division;*

11 (2) *the activities of the Department of Commerce*
12 *under this division, including regional technology*
13 *hubs under section 28 of the Stevenson-Wydler Act of*
14 *1980 (15 U.S.C. 13701 et seq.), as added by section*
15 *2401 of this division, the Manufacturing USA Pro-*
16 *gram established under section 34(b)(1) of the Na-*
17 *tional Institute of Standards and Technology Act (15*
18 *U.S.C. 278s(b)(1)), and the Hollings Manufacturing*
19 *Extension Partnership;*

20 (3) *the activities of the Department of Energy in*
21 *the key technology focus areas, including at the na-*
22 *tional laboratories, and at Federal laboratories, as de-*
23 *finied in section 4 of the Stevenson-Wydler Technology*
24 *Innovation Act of 1980 (15 U.S.C. 3703), and facili-*
25 *ties and user facilities operated in partnership with*

1 *such national laboratories or the Department of En-*
2 *ergy; and*

3 *(4) any other program that the Director of the*
4 *Office of Science and Technology Policy determines*
5 *involves research and development with respect to the*
6 *key technology focus areas.*

7 *(d) REPORT.—The interagency working group shall—*
8 *(1) by not later than 180 days after the date of*
9 *enactment of this division—*

10 *(A) conduct an initial review of Federal*
11 *programs and resources with respect to the key*
12 *technology focus areas identified pursuant to sec-*
13 *tion 2005(a), in order to—*

14 *(i) assess current level of efforts and*
15 *characterize existing research infrastructure,*
16 *as of the date of the review;*

17 *(ii) identify potential areas of overlap*
18 *or duplication with respect to the key tech-*
19 *nology focus areas; and*

20 *(iii) identify potential cross-agency*
21 *collaborations and joint funding opportuni-*
22 *ties; and*

23 *(B) submit a report regarding the review*
24 *described in subparagraph (A) to Congress; and*

1 (C) seek stakeholder input and recommenda-
2 tions in the course of such review; and

3 (2) shall carry out the annual reviews and up-
4 dates required under section 2005.

5 (e) *CONFLICTS.*—If any conflicts between Federal
6 agencies arise while carrying out the activities under this
7 section, the President shall make the final decision regard-
8 ing resolution of the conflict.

9 **SEC. 2005. KEY TECHNOLOGY FOCUS AREAS.**

10 (a) *IN GENERAL.*—

11 (1) *INITIAL LIST.*—The initial key technology
12 focus areas are:

13 (A) Artificial intelligence, machine learn-
14 ing, autonomy, and related advances.

15 (B) High performance computing, semi-
16 conductors, and advanced computer hardware
17 and software.

18 (C) Quantum information science and tech-
19 nology.

20 (D) Robotics, automation, and advanced
21 manufacturing.

22 (E) Natural and anthropogenic disaster
23 prevention or mitigation.

24 (F) Advanced communications technology
25 and immersive technology.

1 (G) *Biotechnology, medical technology,*
2 *genomics, and synthetic biology.*

3 (H) *Data storage, data management, dis-*
4 *tributed ledger technologies, and cybersecurity,*
5 *including biometrics.*

6 (I) *Advanced energy and industrial effi-*
7 *ciency technologies, such as batteries and ad-*
8 *vanced nuclear technologies, including but not*
9 *limited to for the purposes of electric generation*
10 *(consistent with section 15 of the National*
11 *Science Foundation Act of 1950 (42 U.S.C.*
12 *1874).*

13 (J) *Advanced materials science, including*
14 *composites and 2D materials.*

15 (2) *REVIEW AND UPDATES.—The Director and*
16 *the Secretary of Energy, in coordination with the*
17 *interagency working group established under section*
18 *2004 and in consultation with the Director of Na-*
19 *tional Intelligence and the Director of the Federal Bu-*
20 *reau of Investigation, shall annually review, and up-*
21 *date as required, the list of key technology focus areas*
22 *for purposes of this division.*

23 (b) *ANNUAL REVIEW.—As part of the annual review*
24 *and update process required by section 2005(a)(2), the Di-*
25 *rector of the National Science Foundation and the Sec-*

1 *retary of Energy, in coordination with the interagency*
2 *working group established under section 2004—*

3 *(1) shall consider input from relevant industries;*

4 *(2) may consider the challenges and rec-*
5 *ommendations identified in the report required by*
6 *section 2503 and in other relevant reports, such as*
7 *technology and global trend reports from the defense*
8 *and intelligence communities;*

9 *(3) shall consider the potential impact of the key*
10 *technology focus areas on addressing national chal-*
11 *lenges, including competitive and security threats to*
12 *the United States and to United States industries, in-*
13 *cluding agriculture; and*

14 *(4) subject to the limitation under subsection (c),*
15 *may add or delete key technology focus areas in light*
16 *of shifting national needs or competitive threats to the*
17 *United States (including for reasons of the United*
18 *States or other countries having advanced or fallen*
19 *behind in a technological area).*

20 *(c) LIMIT ON KEY TECHNOLOGY FOCUS AREAS.—Not*
21 *more than 10 key technology focus areas shall be included*
22 *on the list of key technology focus areas at any time. Engi-*
23 *neering and exploration relevant to the other key technology*
24 *focus areas described in this section shall be considered part*
25 *of the relevant key technology focus area.*

1 (d) *REPORTING.*—*At the conclusion of the annual re-*
2 *view and update process required by section 2005(a)(2), the*
3 *Director and the Secretary of Energy shall deliver a report*
4 *to Congress detailing—*

5 (1) *the key technology focus areas and rationale*
6 *for their selection;*

7 (2) *the role of the Foundation, the Department*
8 *of Energy, and other Federal entities, as relevant, in*
9 *advancing the key technology focus areas; and*

10 (3) *the impact, including to the academic re-*
11 *search community, of any changes to the key tech-*
12 *nology focus areas.*

13 (e) *DETAILED DESCRIPTION.*—*The National Science*
14 *Foundation and the Department of Energy shall, in coordi-*
15 *nation with the Office of Management and Budget, submit*
16 *as part of their annual budget requests to Congress, a de-*
17 *tailed description of the activities to be funded under this*
18 *division, including an explanation of how the requested*
19 *funding is complementary and not redundant of programs,*
20 *efforts, and infrastructure undertaken or supported by other*
21 *relevant Federal agencies.*

22 (f) *NATIONAL ACADEMIES.*—*Not later than 5 years*
23 *after the date of enactment of this division, the Director*
24 *shall contract with the National Academies of Sciences, En-*
25 *gineering, and Medicine to conduct a review of the key tech-*

1 *nology focus areas, including whether Federal investment*
2 *in the key technology focus areas have resulted in new do-*
3 *mestic manufacturing capacity and job creation.*

4 **TITLE I—NSF TECHNOLOGY AND**
5 **INNOVATION**

6 **SEC. 2101. DEFINITIONS.**

7 *In this title:*

8 (1) *DESIGNATED COUNTRY.*—

9 (A) *IN GENERAL.*—*The term “designated*
10 *country”*—

11 (i) *except as provided in clause (ii),*
12 *means—*

13 (I) *Australia;*

14 (II) *Canada;*

15 (III) *New Zealand;*

16 (IV) *the United Kingdom;*

17 (V) *the State of Israel;*

18 (VI) *Taiwan; and*

19 (VII) *any other country that has*

20 *been approved and designated in writ-*

21 *ing by the President for purposes of*

22 *this division, after providing—*

23 (aa) *not less than 30 days of*

24 *advance notification and expla-*

25 *nation to the relevant congres-*

1 sional committees before the des-
2 ignation; and

3 (bb) in-person briefings to
4 such committees, if requested dur-
5 ing the 30-day advance notifica-
6 tion period described in item (aa);
7 and

8 (ii) excludes any country that takes ac-
9 tions to boycott, divest from, or sanction
10 Israel.

11 (B) ACTIONS TO BOYCOTT, DIVEST FROM,
12 OR SANCTION ISRAEL.—For purposes of subpara-
13 graph (A)(ii), the term “actions to boycott, divest
14 from, or sanction Israel” has the meaning given
15 such term in section 102(b)(20)(B) of the Bipar-
16 tisan Congressional Trade Priorities and Ac-
17 countability Act of 2015 (19 U.S.C.
18 4201(b)(20)(B)).

19 (2) LABOR ORGANIZATION.—The term “labor or-
20 ganization” has the meaning given the term in sec-
21 tion 2(5) of the National Labor Relations Act (29
22 U.S.C. 152(5)), except that such term shall also in-
23 clude—

1 (A) any organization composed of labor or-
2 ganizations, such as a labor union federation or
3 a State or municipal labor body; and

4 (B) any organization which would be in-
5 cluded in the definition for such term under such
6 section 2(5) but for the fact that the organization
7 represents—

8 (i) individuals employed by the United
9 States, any wholly owned Government cor-
10 poration, any Federal Reserve Bank, or any
11 State or political subdivision thereof;

12 (ii) individuals employed by persons
13 subject to the Railway Labor Act (45 U.S.C.
14 151 et seq.); or

15 (iii) individuals employed as agricul-
16 tural laborers.

17 (3) NATIONAL LABORATORY.—The term “Na-
18 tional Laboratory” has the meaning given the term in
19 section 2 of the Energy Policy Act of 2005 (42 U.S.C.
20 15801).

21 (4) TRIBAL COLLEGE OR UNIVERSITY.—The term
22 “Tribal College or University” has the meaning given
23 the term in section 316(b)(3) of the Higher Education
24 Act of 1965 (20 U.S.C. 1059c(b)(3)).

1 **SEC. 2102. DIRECTORATE ESTABLISHMENT AND PURPOSE.**

2 (a) *ESTABLISHMENT OF DIRECTORATE FOR TECH-*
3 *NOLOGY AND INNOVATION.*—Subject to the availability of
4 appropriations and not later than 180 days after the date
5 of enactment of this division, the Director shall establish
6 a Directorate for Technology and Innovation in the Foun-
7 dation.

8 (b) *PURPOSES.*—The Directorate shall further the fol-
9 lowing purposes:

10 (1) *Strengthening the leadership of the United*
11 *States in critical technologies, including as relevant*
12 *to the critical national needs described in section*
13 *7018 of the America COMPETES Act (42 U.S.C.*
14 *18620–5).*

15 (2) *Addressing and mitigating technology chal-*
16 *lenges integral to the geostrategic position of the*
17 *United States through the activities authorized by*
18 *this title.*

19 (3) *Enhancing the competitiveness of the United*
20 *States by improving education in the key technology*
21 *focus areas and attracting more students to such*
22 *areas at all levels of education.*

23 (4) *Accelerating the translation and development*
24 *of scientific advances in the key technology focus*
25 *areas into processes and products in the United*
26 *States.*

1 (5) *Utilizing the full potential of the United*
2 *States workforce by avoiding undue geographic con-*
3 *centration of research and development and education*
4 *funding across the United States, and encouraging*
5 *broader participation in the key technology focus*
6 *areas by populations underrepresented in STEM.*

7 (6) *Ensuring the programmatic work of the Di-*
8 *rectorate and Foundation incorporates a workforce*
9 *perspective from labor organizations and workforce*
10 *training organizations.*

11 (c) *ACTIVITIES.—The Directorate—*

12 (1) *shall support basic and applied research, and*
13 *technology development of such research, including*
14 *through awards to individual researchers, entities, or*
15 *consortia and through diverse funding mechanisms*
16 *and models;*

17 (2) *shall identify and develop opportunities to*
18 *coordinate and collaborate on research, development,*
19 *and commercialization—*

20 (A) *with other directorates and offices of the*
21 *Foundation;*

22 (B) *with stakeholders in academia, the pri-*
23 *vate sector, and nonprofit entities; and*

24 (C) *with other Federal research agencies, as*
25 *well as State and local governments;*

1 (3) shall provide awards for research and devel-
2 opment projects designed to achieve specific tech-
3 nology metrics or objectives;

4 (4) may support research and technology devel-
5 opment infrastructure, including testbeds, to advance
6 the development, operation, integration, and deploy-
7 ment of innovation;

8 (5) shall identify and develop opportunities to
9 reduce barriers for technology transfer, including in-
10 tellectual property frameworks between academia and
11 industry, nonprofit entities, and the venture capital
12 communities;

13 (6) shall build capacity for research at institu-
14 tions of higher education across the United States;

15 (7) shall partner with other directorates and of-
16 fices of the Foundation for projects or research, in-
17 cluding—

18 (A) to pursue basic questions about natural,
19 human, and physical phenomena that could en-
20 able advances in the key technology focus areas;

21 (B) to study questions that could affect the
22 design (including human interfaces), safety, se-
23 curity, operation, deployment, or the social and
24 ethical consequences of technologies in the key
25 technology focus areas, including the development

1 *of technologies that complement or enhance the*
2 *abilities of workers and impact of specific inno-*
3 *vations on domestic jobs and equitable oppor-*
4 *tunity; and*

5 *(C) to further the creation of a domestic*
6 *workforce capable of advancing, using, and*
7 *adapting to key technology focus areas and un-*
8 *derstanding and improving the impact of key*
9 *technology focus areas on STEM teaching and*
10 *learning by advancing the key technology focus*
11 *areas, including engaging relevant partners in*
12 *research and innovation programs;*

13 *(8) may make awards under the SBIR and*
14 *STTR programs (as defined in section 9(e) of the*
15 *Small Business Act (15 U.S.C. 638(e)); and*

16 *(9) may enter into and perform such contracts,*
17 *make such financial assistance awards, carry out*
18 *such other transactions, or make such other arrange-*
19 *ments, or modifications thereof, as may be necessary*
20 *in the conduct of the work of the Directorate and on*
21 *such terms as the Director considers appropriate, in*
22 *furtherance of the purposes of this title.*

23 *(d) ASSISTANT DIRECTOR.—*

24 *(1) APPOINTMENT.—The Director shall appoint*
25 *an Assistant Director for the Directorate, in the same*

1 *manner as other Assistant Directors of the Founda-*
2 *tion are appointed.*

3 (2) *QUALIFICATIONS.—Each Assistant Director*
4 *for the Directorate shall be an individual, who by rea-*
5 *son of professional background and experience, is spe-*
6 *cially qualified to advise the Foundation on all mat-*
7 *ters pertaining to research, development, and commer-*
8 *cialization at the Foundation, including partnerships*
9 *with the private sector and other users of Foundation*
10 *funded research.*

11 (e) *CONSIDERATIONS.—After completion of the studies*
12 *regarding emerging technologies conducted by the Secretary*
13 *of Commerce under title XV of division FF of the Consoli-*
14 *dated Appropriations Act, 2021 (Public Law 116–260), the*
15 *Director shall consider the results of such studies in car-*
16 *rying out the activities of the Directorate.*

17 **SEC. 2103. PERSONNEL MANAGEMENT.**

18 (a) *PERSONNEL.—The Director shall establish and*
19 *maintain within the Directorate a staff with sufficient*
20 *qualifications and expertise to enable the Directorate to*
21 *carry out its responsibilities under this title.*

22 (b) *PROGRAM DIRECTORS.—*

23 (1) *DESIGNATION.—The Director may designate*
24 *employees to serve as program directors for the pro-*
25 *grams established within the Directorate pursuant to*

1 *the responsibilities established under paragraph (2).*

2 *The Director shall ensure that program directors—*

3 *(A) have expertise in the key technology*
4 *focus areas; and*

5 *(B) come from a variety of backgrounds, in-*
6 *cluding industry, and from a variety of institu-*
7 *tions of higher education.*

8 *(2) RESPONSIBILITIES.—A program director of a*
9 *program of the Directorate shall be responsible for—*

10 *(A) establishing research and development*
11 *goals for the program, including through the con-*
12 *vening of workshops and conferring with outside*
13 *experts and by publicizing the goals of the pro-*
14 *gram to the public and private sectors;*

15 *(B) soliciting proposals from entities to con-*
16 *duct research in areas of particular promise*
17 *within key technology focus areas, especially*
18 *areas that the private sector or the Federal Gov-*
19 *ernment are not likely to undertake alone;*

20 *(C) identifying areas for research and devel-*
21 *opment;*

22 *(D) building research collaborations for car-*
23 *rying out the program;*

24 *(E) reviewing applications for projects to be*
25 *supported under the program, and considering—*

1 (i) *the novelty and scientific and tech-*
2 *nical merit of the proposed projects;*

3 (ii) *broader impacts criteria under sec-*
4 *tion 526 of the National Science Founda-*
5 *tion Authorization Act of 2010 (42 U.S.C.*
6 *1862p-14);*

7 (iii) *the demonstrated capabilities of*
8 *the applicants to successfully carry out the*
9 *proposed project;*

10 (iv) *the consideration by the applicant*
11 *of future commercial applications of the*
12 *project, including the feasibility of*
13 *partnering with 1 or more commercial enti-*
14 *ties; and*

15 (v) *such other criteria as are estab-*
16 *lished by the Director; and*

17 (F) *monitoring the progress of projects sup-*
18 *ported under the program and recommending*
19 *program restructure or termination, as needed.*

20 (3) *TERMS.—Program directors of the Direc-*
21 *torate may be appointed by the Director for a limited*
22 *term, renewable at the discretion of the Director.*

23 (c) *SELECTION CRITERIA AND REPORT.—*

1 (1) *PEER REVIEW.*—*The Directorate may use a*
2 *peer review process to inform the selection of award*
3 *recipients.*

4 (2) *REPORT.*—*Not later than 18 months after the*
5 *establishment of the Directorate, the Director shall*
6 *prepare and submit a report to Congress regarding*
7 *the use of alternative methods for the selection of*
8 *award recipients and the distribution of funding to*
9 *recipients, as compared to the traditional peer review*
10 *process.*

11 (d) *RULE OF CONSTRUCTION.*—*Nothing in this section*
12 *shall be construed to modify the authority of the Director*
13 *or the National Science Board with respect to the selection*
14 *of recipients for funding from the Foundation.*

15 **SEC. 2104. INNOVATION CENTERS.**

16 (a) *UNIVERSITY TECHNOLOGY CENTER PROGRAM.*—

17 (1) *IN GENERAL.*—*From amounts made avail-*
18 *able to the Directorate, the Director shall establish a*
19 *program in the Directorate to make awards, through*
20 *a competitive selection process, to eligible entities to*
21 *establish university technology centers.*

22 (2) *PURPOSE.*—*The purpose of the university*
23 *technology centers shall be to—*

1 (A) *conduct multi-disciplinary, collabo-*
2 *rative basic and applied research, relevant to at*
3 *least one of the key technology focus areas;*

4 (B) *leverage the expertise of multi-discipli-*
5 *nary and multi-sector partners, including part-*
6 *ners from private industry;*

7 (C) *further the development, deployment,*
8 *and commercialization of innovations, including*
9 *inventions, in the key technology focus areas, in-*
10 *cluding those derived from the activities of the*
11 *university technology center; and*

12 (D) *support the development of scientific,*
13 *innovation, entrepreneurial, and educational ca-*
14 *capacity within the region of the university tech-*
15 *nology center.*

16 (3) *USE OF FUNDS.—University technology cen-*
17 *ters established under this subsection may use support*
18 *provided—*

19 (A) *to carry out research to advance inno-*
20 *vation in the key technology focus areas;*

21 (B) *for technology development activities*
22 *such as proof-of-concept development, proto-*
23 *typing, design modification, experimental devel-*
24 *opment, and other actions to reduce the cost,*

1 *time, and risk of commercializing new tech-*
2 *nologies;*

3 (C) *for the costs of equipment and*
4 *cyberinfrastructure;*

5 (D) *for the costs associated with technology*
6 *transfer and commercialization, including pat-*
7 *enting and licensing; or*

8 (E) *for operations and staff.*

9 (4) *SELECTION PROCESS.—In selecting recipi-*
10 *ents under this subsection, the Director shall consider,*
11 *in addition to the scientific and technical merit of the*
12 *proposal—*

13 (A) *maximizing regional and geographic di-*
14 *versity of the university technology centers, in-*
15 *cluding by considering rural-serving institutions*
16 *of higher education (as defined in section 861(b)*
17 *of the Higher Education Act of 1965 (20 U.S.C.*
18 *1161a(b));*

19 (B) *the extent to which the applicant’s pro-*
20 *posal would broaden participation by popu-*
21 *lations underrepresented in STEM;*

22 (C) *the capacity of the applicant to engage*
23 *industry, labor, and other appropriate organiza-*
24 *tions and, where applicable, contribute to growth*

1 *in domestic manufacturing capacity and job cre-*
2 *ation;*

3 *(D) in the case of a consortium, the extent*
4 *to which the proposal includes institutions listed*
5 *in paragraph (7)(C)(ii);*

6 *(E) the amount of funds from industry or-*
7 *ganizations described in paragraph (5)(A)(ii)*
8 *the applicant would use towards establishing the*
9 *university technology center;*

10 *(F) the plan and capability of the applicant*
11 *to take measures to prevent the inappropriate*
12 *use of the research and technology of the center,*
13 *including research results, data, and intellectual*
14 *property, as appropriate and consistent with the*
15 *requirements of the relevant award; and*

16 *(G) the plan and capability of the appli-*
17 *cant to support proof-of-concept development and*
18 *prototyping as well as technology transfer and*
19 *commercialization activities.*

20 *(5) REQUIREMENTS.—*

21 *(A) IN GENERAL.—The Director shall en-*
22 *sure that any eligible entity receiving an award*
23 *under this subsection has—*

1 (i) the capacity or the ability to ac-
2 quire the capacity to advance the purposes
3 described in section 2102(b); and

4 (ii) secured contributions for estab-
5 lishing the university technology center
6 under this subsection from industry or other
7 non-Federal organizations in an amount
8 not less than 10 percent of the total amount
9 of the award the eligible entity would re-
10 ceive under this subsection.

11 (B) CONSORTIUM ELIGIBILITY.—To be eligi-
12 ble to receive an award for the establishment and
13 operation of a university technology center, a
14 consortium shall be composed of not fewer than
15 2 entities as described in paragraph (7)(C) and
16 operate subject to a binding agreement, entered
17 into by each member of the consortium, that doc-
18 uments—

19 (i) the proposed partnership agree-
20 ment, including the governance and man-
21 agement structure of the university tech-
22 nology center;

23 (ii) measures the consortium will un-
24 dertake to enable cost-effective implementa-
25 tion of activities under paragraph (3);

1 (iii) a proposed budget, including fi-
2 nancial contributions from non-Federal
3 sources; and

4 (iv) the plan for ownership and use of
5 any intellectual property developed by the
6 center.

7 (6) *SUPPORT OF REGIONAL TECHNOLOGY*
8 *HUBS.*—Each university technology center established
9 under this subsection may support and participate
10 in, as appropriate, the activities of any regional tech-
11 nology hub designated under section 28 of the Steven-
12 son-Wylder Technology Innovation Act of 1980 (15
13 U.S.C. 3701 et seq.), as added by section 2401 of this
14 division.

15 (7) *ELIGIBLE ENTITY.*—In this subsection, the
16 term “eligible entity” means—

17 (A) an individual institution of higher edu-
18 cation;

19 (B) a nonprofit entity; or

20 (C) a consortium that—

21 (i) shall include and be led by an in-
22 stitution of higher education or by a non-
23 profit entity, designed to support technology
24 development;

1 (ii) shall include 1 or more institution
2 that is—

3 (I) a historically Black college or
4 university;

5 (II) a Tribal College or Univer-
6 sity;

7 (III) a minority-serving institu-
8 tion (or an institution of higher edu-
9 cation with an established STEM ca-
10 pacity building program focused on
11 traditionally underrepresented popu-
12 lations in STEM, including Native
13 Hawaiians, Alaska Natives, and Indi-
14 ans);

15 (IV) an institution that partici-
16 pates in the Established Program to
17 Stimulate Competitive Research under
18 section 113 of the National Science
19 Foundation Authorization Act of 1988
20 (42 U.S.C. 1862g);

21 (V) an emerging research institu-
22 tion; or

23 (VI) a community college; and

24 (iii) may include 1 or more—

1 (I) *additional entities described in*
2 *subparagraph (A) or (B);*

3 (II) *industry entities, including*
4 *startups, small businesses, and public-*
5 *private partnerships;*

6 (III) *economic development orga-*
7 *nizations or venture development orga-*
8 *nizations, as such terms are defined in*
9 *section 28(a) of the Stevenson-Wydler*
10 *Technology Innovation Act of 1980 (15*
11 *U.S.C. 13701 et seq.), as added by sec-*
12 *tion 2401 of this division;*

13 (IV) *National Laboratories;*

14 (V) *Federal laboratories, as de-*
15 *defined in section 4 of the Stevenson-*
16 *Wydler Technology Innovation Act of*
17 *1980 (15 U.S.C. 3703);*

18 (VI) *Federal research facilities;*

19 (VII) *labor organizations;*

20 (VIII) *entities described in sub-*
21 *paragraph (A) or (B) from allied or*
22 *partner countries;*

23 (IX) *other entities if determined*
24 *by the Director to be vital to the suc-*
25 *cess of the program;*

1 (X) binational research and devel-
2 opment foundations and funds, exclud-
3 ing foreign entities of concern, as de-
4 fined in section 2307; and

5 (XI) Engineer Research and De-
6 velopment Center laboratories of the
7 Army Corps of Engineers.

8 (b) INNOVATION INSTITUTE.—

9 (1) IN GENERAL.—The Director shall establish
10 innovation institutes to further the research, develop-
11 ment, and commercialization of innovation in the key
12 technology focus areas.

13 (2) PARTNERSHIPS.—

14 (A) IN GENERAL.—Each innovation insti-
15 tute shall be comprised of a partnership includ-
16 ing 2 or more of the following entities:

17 (i) An institution of higher education.

18 (ii) A for-profit company.

19 (iii) A nonprofit organization.

20 (iv) A Federal agency.

21 (v) Another entity, if that entity is de-
22 termined by the Director to be vital to the
23 success of the program.

24 (B) CO-EQUAL.—Each entity comprising
25 the institute shall, to the extent practicable, work

1 *as co-equal partners in terms of funding and re-*
2 *search efforts in support of the institute.*

3 (C) *INSTITUTIONAL OR ORGANIZATIONAL*
4 *LEVEL.—The Director shall work to ensure that*
5 *such partnerships exist at the institutional or or-*
6 *ganization level, rather than solely at the prin-*
7 *cipal investigator level.*

8 (3) *COST SHARE.—To the extent practicable, not*
9 *less than half of the funding for an institute shall be*
10 *provided by non-Federal entities.*

11 (c) *NUMBER OF CENTERS AND INSTITUTES ESTAB-*
12 *LISHED.—The Director shall endeavor to establish a balance*
13 *in the number of university technology centers and innova-*
14 *tion institutes.*

15 **SEC. 2105. TRANSITION OF NSF PROGRAMS.**

16 *The Director may transition the management of exist-*
17 *ing programs of the National Science Foundation that con-*
18 *duct activities in addition to basic research to the Direc-*
19 *torate, including—*

20 (1) *Convergence Accelerator;*

21 (2) *Industry-University Cooperative Research*
22 *Centers;*

23 (3) *National AI Research Institutes;*

1 (4) *Innovation Corps (I-Corps)*, as described in
2 *section 601 of the American Innovation and Competi-*
3 *tiveness Act (42 U.S.C. 1862s–8); and*

4 (5) *any other programs that the Director con-*
5 *siders appropriate.*

6 **SEC. 2106. PROVIDING SCHOLARSHIPS, FELLOWSHIPS, AND**
7 **OTHER STUDENT SUPPORT.**

8 (a) *IN GENERAL.*—*The Director, acting through the*
9 *Directorate, shall fund undergraduate scholarships (includ-*
10 *ing at community colleges), graduate fellowships and*
11 *traineeships, and postdoctoral awards in the key technology*
12 *focus areas.*

13 (b) *IMPLEMENTATION.*—*The Director may carry out*
14 *subsection (a) by making awards—*

15 (1) *directly to students; and*

16 (2) *to institutions of higher education or con-*
17 *sortia of institutions of higher education, including*
18 *those institutions or consortia involved in operating*
19 *university technology centers established under section*
20 *2104(a).*

21 (c) *BROADENING PARTICIPATION.*—*In carrying out*
22 *this section, the Director shall take steps to increase the par-*
23 *ticipation of populations that are underrepresented in*
24 *STEM, which may include—*

1 (1) *establishing or augmenting programs tar-*
2 *geted at populations that are underrepresented in*
3 *STEM;*

4 (2) *supporting traineeships or other relevant*
5 *programs at minority-serving institutions (or institu-*
6 *tions of higher education with an established STEM*
7 *capacity building program focused on traditionally*
8 *underrepresented populations in STEM, including*
9 *Native Hawaiians, Alaska Natives, and Indians);*

10 (3) *addressing current and expected gaps in the*
11 *availability or skills of the STEM workforce, or ad-*
12 *dressing needs of the STEM workforce, including by*
13 *increasing educational capacity at institutions and*
14 *by prioritizing awards to United States citizens, per-*
15 *manent residents, and individuals that will grow the*
16 *domestic workforce; and*

17 (4) *addressing geographic diversity in the STEM*
18 *workforce.*

19 (d) *INNOVATION.—In carrying out this section, the Di-*
20 *rector shall encourage innovation in graduate education,*
21 *including through encouraging institutions of higher edu-*
22 *cation to offer graduate students opportunities to gain expe-*
23 *rience in industry or Government as part of their graduate*
24 *training, and through support for students in professional*
25 *masters programs related to the key technology focus areas.*

1 (e) *AREAS OF FUNDING SUPPORT.*—Subject to the
2 availability of funds to carry out this section, the Director
3 shall—

4 (1) *issue—*

5 (A) *postdoctoral awards,*

6 (B) *graduate fellowships and traineeships,*
7 *inclusive of the NSF Research Traineeships and*
8 *fellowships awarded under the Graduate Re-*
9 *search Fellowship Program; and*

10 (C) *scholarships, including undergraduate*
11 *scholarships, research experiences, and intern-*
12 *ships, including—*

13 (i) *scholarships to attend community*
14 *colleges; and*

15 (ii) *research experiences and intern-*
16 *ships under sections 513, 514, and 515 of*
17 *the America COMPETES Reauthorization*
18 *Act of 2010 (42 U.S.C. 1862p–5; 1862p–6;*
19 *1862p–7);*

20 (2) *ensure that not less than 10 percent of the*
21 *funds made available to carry out this section are*
22 *used to support additional awards that focus on com-*
23 *munity college training, education, and teaching pro-*
24 *grams that increase the participation of populations*
25 *that are underrepresented in STEM, including tech-*

1 *nical programs through programs such as the Ad-*
2 *vanced Technological Education program;*

3 *(3) ensure that not less than 20 percent of the*
4 *funds made available to carry out this section are*
5 *used to support institutions of higher education, and*
6 *other institutions, located in jurisdictions that par-*
7 *ticipate in the program under section 113 of the Na-*
8 *tional Science Foundation Authorization Act of 1988*
9 *(42 U.S.C. 1862g); and*

10 *(4) if funds remain after carrying out para-*
11 *graphs (1), (2), and (3), make awards to institutions*
12 *of higher education to enable the institutions to fund*
13 *the development and establishment of new or special-*
14 *ized programs of study for graduate, undergraduate,*
15 *or technical college students and the evaluation of the*
16 *effectiveness of those programs of study.*

17 *(f) EXISTING PROGRAMS.—The Director may use or*
18 *augment existing STEM education programs of the Foun-*
19 *dation and leverage education or entrepreneurial partners*
20 *to carry out this section.*

21 **SEC. 2107. RESEARCH AND DEVELOPMENT.**

22 *(a) IN GENERAL.—From amounts made available for*
23 *the Directorate, the Director shall make awards, on a com-*
24 *petitive basis, for research and technology development*
25 *within the key technology focus areas.*

1 (b) *PURPOSE.*—*The purpose of the awards under this*
2 *section shall be to demonstrate revolutionary technological*
3 *advances in the key technology focus areas, including ad-*
4 *vances that expedite short-term technology deployment.*

5 (c) *RECIPIENTS.*—*Recipients of funds under this sec-*
6 *tion may include institutions of higher education, research*
7 *institutions, nonprofit entities, private sector entities, con-*
8 *sortia, or other entities as defined by the Director.*

9 (d) *METRICS.*—*The Director may set metrics, includ-*
10 *ing goals and deadlines, for development of such technology*
11 *as determined in the terms of the award, and may use such*
12 *metrics to determine whether an award recipient shall be*
13 *eligible for continued or follow-on funding. The Director*
14 *shall ensure that the length of the grants for applicants seek-*
15 *ing to demonstrate revolutionary technological advances to*
16 *expedite short-term technology deployment last no longer*
17 *than 24 months.*

18 (e) *SELECTION CRITERIA.*—*In selecting recipients for*
19 *an award under this section, the Director shall consider,*
20 *at a minimum—*

21 (1) *the relevance of the project to the key tech-*
22 *nology focus areas;*

23 (2) *the current status of the technology, the lim-*
24 *its of current practice, and the likelihood of the pri-*

1 *vate sector to independently demonstrate a similar*
2 *technological advance;*

3 *(3) the potential of the project to generate a revo-*
4 *lutionary technological advance, including advances*
5 *that can expedite short-term technology deployment;*

6 *(4) the potential impact of the project on the eco-*
7 *nomi c security, national security, or technological*
8 *competitiveness of the United States;*

9 *(5) the likelihood of the project's success;*

10 *(6) the cost and time associated with the project;*

11 *(7) the appropriateness of quantitative goals and*
12 *metrics for evaluating the project and a plan for eval-*
13 *uating those metrics; and*

14 *(8) the path for developing and, as appropriate*
15 *commercializing, the technology.*

16 **SEC. 2108. TEST BEDS.**

17 *(a) PROGRAM AUTHORIZED.—*

18 *(1) IN GENERAL.—From amounts made avail-*
19 *able for the Directorate, the Director, in coordination*
20 *with the Director of the National Institute of Stand-*
21 *ards and Technology, the Secretary of Energy, and*
22 *other Federal agencies, as determined appropriate by*
23 *the Director, shall establish a program in the Direc-*
24 *torate to make awards, on a competitive basis, to in-*
25 *stitutions of higher education, nonprofit organiza-*

1 *tions, or consortia (as defined in section*
2 *2104(a)(7)(C)) to establish and operate test beds,*
3 *which may include fabrication facilities and*
4 *cyberinfrastructure, to advance the development, oper-*
5 *ation, integration, deployment, and, as appropriate,*
6 *demonstration of new, innovative technologies in the*
7 *key technology focus areas, which may include hard-*
8 *ware or software.*

9 (2) *COORDINATION.—In establishing new test*
10 *beds under this section, the Director shall ensure co-*
11 *ordination with other test beds supported by the*
12 *Foundation or other Federal agencies to avoid dupli-*
13 *cation and maximize the use of Federal resources.*

14 (b) *PROPOSALS.—An applicant for an award under*
15 *this section shall submit a proposal to the Director, at such*
16 *time, in such manner, and containing such information as*
17 *the Director may reasonably require. The proposal shall,*
18 *at a minimum, describe—*

19 (1)(A) *the technology or technologies that will be*
20 *the focus of the test bed; and*

21 (B) *the goals of the work to be done at the test*
22 *bed;*

23 (2) *how the applicant will assemble a workforce*
24 *with the skills needed to operate the test bed;*

1 (3) *how the applicant will ensure broad access to*
2 *the test bed;*

3 (4) *how the applicant will collaborate with firms*
4 *in the key technology focus areas, including through*
5 *coordinated research and development and funding, to*
6 *ensure that work in the test bed will contribute to the*
7 *commercial viability of any technologies and will in-*
8 *clude collaboration from industry and labor organiza-*
9 *tions;*

10 (5) *how the applicant will encourage the partici-*
11 *pation of inventors and entrepreneurs and the devel-*
12 *opment of new businesses;*

13 (6) *how the applicant will increase participation*
14 *by populations that are underrepresented in STEM;*

15 (7) *how the applicant will demonstrate that the*
16 *commercial viability of any new technologies will*
17 *support the creation of high-quality domestic jobs;*

18 (8) *how the test bed will operate after Federal*
19 *funding has ended;*

20 (9) *how the test bed will disseminate lessons and*
21 *other technical information to United States entities*
22 *or allied or partner country entities in the United*
23 *States; and*

24 (10) *how the applicant plans to take measures to*
25 *prevent the inappropriate use of research results,*

1 *data, and intellectual property, as applicable and*
2 *consistent with the requirements of the award.*

3 *(c) AUTHORIZED USE OF FUNDS.—A recipient of an*
4 *award under this section may, in order to achieve the pur-*
5 *poses described in subsection (a), use the award for the pur-*
6 *chase of equipment and for the support of students, faculty*
7 *and staff, and postdoctoral researchers.*

8 *(d) PRIORITY.—In selecting award recipients under*
9 *this section, the Director shall give priority to applicants*
10 *with proposals that maximize the geographic diversity of*
11 *test beds.*

12 *(e) INTERAGENCY ANNUAL MEETINGS.—The Director,*
13 *the Secretary of Commerce, the Secretary of Energy, and*
14 *the heads of other Federal departments and agencies, or*
15 *their designees, with test bed related equities shall hold an*
16 *annual meeting to coordinate their respective test bed re-*
17 *lated investments, future plans, and other appropriate mat-*
18 *ters, to avoid conflicts and duplication of efforts. Upon re-*
19 *quest by Congress, Congress shall be briefed on the results*
20 *of the meetings.*

21 **SEC. 2109. ACADEMIC TECHNOLOGY TRANSFER.**

22 *(a) IN GENERAL.—From amounts made available to*
23 *the Directorate, the Director, in coordination with the Di-*
24 *rector of the National Institute of Standards and Tech-*
25 *nology and other Federal agencies as determined appro-*

1 *priate by the Director, shall make awards, on a competitive*
2 *basis, to eligible entities to advance the development and*
3 *commercialization of technologies, particularly those in the*
4 *key technology focus areas.*

5 *(b) ELIGIBLE ENTITIES.—To be eligible to receive an*
6 *award under this section, an entity shall be—*

7 *(1) an institution of higher education, which*
8 *may be a community college;*

9 *(2) a nonprofit entity that is either affiliated*
10 *with an institution of higher education or designed to*
11 *support technology development or entrepreneurship;*

12 *or*

13 *(3) a consortium that includes—*

14 *(A) an entity described in paragraph (1) or*
15 *(2) as the lead award recipient; and*

16 *(B) one or more additional individuals or*
17 *entities, which shall be—*

18 *(i) an economic development organiza-*
19 *tion or similar entity that is focused pri-*
20 *marily on improving science, technology,*
21 *innovation, or entrepreneurship;*

22 *(ii) an industry organization or firm*
23 *in a relevant technology or innovation sec-*
24 *tor;*

1 (iii) *an industry-experienced executive*
2 *with entrepreneurship experience that is fo-*
3 *cused primarily on de-risking technologies*
4 *from both a scientific and a business per-*
5 *spective; or*

6 (iv) *an individual or entity with*
7 *industry- and startup- experienced business*
8 *expertise, including a mentor network,*
9 *across relevant technology or innovation sec-*
10 *tors.*

11 (c) *PROPOSALS.—An eligible entity desiring an award*
12 *under this section shall submit a proposal to the Director*
13 *at such time, in such manner, and containing such infor-*
14 *mation as the Director may require. The proposal shall in-*
15 *clude, at a minimum, a description of—*

16 (1) *the steps the applicant will take to enable*
17 *technology transfer and to reduce the risks for com-*
18 *mercialization for new technologies and why such*
19 *steps are likely to be effective;*

20 (2) *how the applicant will encourage the train-*
21 *ing and participation of students and potential entre-*
22 *preneurs and the transition of research results to*
23 *practice, including the development of new businesses;*

24 (3) *as relevant, potential steps to drive economic*
25 *growth in a particular region, by collaborating with*

1 *industry, venture capital entities, nonprofit entities,*
2 *and State and local governments within that region;*
3 *and*

4 *(4) background information that the Director de-*
5 *termines is relevant to demonstrate the success of the*
6 *innovation and entrepreneurship support models pro-*
7 *posed by the applicant to commercialize technologies.*

8 *(d) ACADEMIC TECHNOLOGY TRANSFER ENHANCE-*
9 *MENT PROGRAM.—*

10 *(1) IN GENERAL.—The Director, in coordination*
11 *with the Director of the National Institute of Stand-*
12 *ards and Technology, shall make awards, on a com-*
13 *petitive basis, to support eligible entities in building*
14 *sustainable technology transfer capacity.*

15 *(2) USE OF FUNDS.—An eligible entity that re-*
16 *ceives an award under this subsection shall use award*
17 *funds to carry out one or more of the following:*

18 *(A) Identifying academic research with the*
19 *potential for technology transfer and commer-*
20 *cialization, particularly as relevant to the key*
21 *technology focus areas.*

22 *(B) Providing training and support to sci-*
23 *entists, engineers, and inventors on technology*
24 *transfer, commercialization, and research protec-*
25 *tion.*

1 (C) *Offsetting the costs of patenting and li-*
2 *ensing research products, both domestically and*
3 *internationally.*

4 (D) *Revising institution policies, including*
5 *policies related to intellectual property and fac-*
6 *ulty entrepreneurship, and taking other nec-*
7 *essary steps to implement relevant best practices*
8 *for academic technology transfer.*

9 (E) *Ensuring the availability of staff, in-*
10 *cluding technology transfer professionals, entre-*
11 *preneurs in residence, and other mentors as re-*
12 *quired to accomplish the purpose of this sub-*
13 *section.*

14 (F) *Identifying and facilitating relation-*
15 *ships among local and national business leaders,*
16 *including investors, and potential entrepreneurs*
17 *to encourage successful commercialization.*

18 (G) *Creating and funding competitions to*
19 *allow entrepreneurial ideas to illustrate their*
20 *commercialization potential, including through*
21 *venture funds of institutions of higher education.*

22 (H) *Creating or supporting entities that*
23 *could enable researchers to further develop new*
24 *technology, through capital investment, advice,*
25 *staff support, or other means.*

1 (I) *Building technology transfer capacity at*
2 *institutions of higher education.*

3 (3) *LIMITATIONS ON FUNDING.—In awarding*
4 *funding under this subsection, the Director shall—*

5 (A) *award not more than \$1,000,000 per*
6 *fiscal year to an eligible entity;*

7 (B) *in determining the duration of funding,*
8 *endeavor to ensure the creation of sustainable*
9 *technology transfer practices at the eligible enti-*
10 *ty; and*

11 (C) *ensure that grants under this subsection*
12 *shall not support the development or operation of*
13 *capital investment funds.*

14 (e) *COLLABORATIVE INNOVATION RESOURCE CENTER*
15 *PROGRAM.—*

16 (1) *IN GENERAL.—The Director shall make*
17 *awards under this subsection to eligible entities to es-*
18 *tablish collaborative innovation resource centers that*
19 *promote regional technology transfer and technology*
20 *development activities available to more than one in-*
21 *stitution of higher education and to other entities in*
22 *a region.*

23 (2) *COLLABORATION PRIORITY.—In making*
24 *awards under this subsection, the Director shall give*
25 *priority to eligible entities that are consortia de-*

1 scribed in subsection (b)(3) and that have a cost
2 share, which may include an in-kind cost share, from
3 members of a consortium, at levels as required by the
4 Director.

5 (3) *USE OF FUNDS.*—An eligible entity that re-
6 ceives an award under this subsection shall use award
7 funds to carry out one or more of the following activi-
8 ties, to the benefit of the region in which the center
9 is located:

10 (A) *Providing start-ups and small business*
11 *concerns (as defined in section 3 of the Small*
12 *Business Act (15 U.S.C. 632)) within the region*
13 *with access to facilities, scientific infrastructure,*
14 *personnel, and other assets as required for tech-*
15 *nology maturation.*

16 (B) *Supporting entrepreneurial training for*
17 *start-up and small business personnel.*

18 (C) *Providing engineering and entrepre-*
19 *neurial experiences and hands-on training for*
20 *students enrolled in participating institutions of*
21 *higher education.*

22 (f) *REPORTING ON COMMERCIALIZATION BASED ON*
23 *METRICS.*—The Director shall establish—

24 (1) *metrics related to commercialization for an*
25 *award under this section; and*

1 (2) *a reporting schedule for recipients of such*
2 *awards that takes into account both short- and long-*
3 *term goals of the programs under this section.*

4 (g) *GEOGRAPHIC DIVERSITY.*—*The Director shall en-*
5 *sure regional and geographic diversity in issuing awards*
6 *under this section.*

7 (h) *SUPPLEMENT NOT SUPPLANT.*—*The Director shall*
8 *ensure that funds made available under this section shall*
9 *be used to create additional support for technology transfer*
10 *activities at eligible entities. For the duration of the*
11 *awards, recipients shall be required to maintain funding*
12 *for such activities at similar levels as the funding for those*
13 *activities for the 2 fiscal years preceding the award.*

14 **SEC. 2110. CAPACITY-BUILDING PROGRAM FOR DEVEL-**
15 **OPING UNIVERSITIES.**

16 (a) *IN GENERAL.*—*The Director shall establish a pro-*
17 *gram in the Directorate to make awards, on a competitive*
18 *basis, to eligible institutions described in subsection (b) to*
19 *support the mission of the Directorate and to build institu-*
20 *tional research capacity at eligible institutions.*

21 (b) *ELIGIBLE INSTITUTION.*—

22 (1) *IN GENERAL.*—*To be eligible to receive an*
23 *award under this section, an institution—*

24 (A) *shall be—*

1 (i) a historically Black college or uni-
2 versity;

3 (ii) a minority-serving institution; or

4 (iii) an institution of higher education
5 with an established STEM capacity build-
6 ing program focused on traditionally under-
7 represented populations in STEM, includ-
8 ing Native Hawaiians, Alaska Natives, and
9 Indians; and

10 (B) shall have not more than \$50,000,000
11 in annual federally-financed research and devel-
12 opment expenditures for science and engineering
13 as reported through the National Science Foun-
14 dation Higher Education Research and Develop-
15 ment Survey.

16 (2) *PARTNERSHIPS*.—An eligible institution re-
17 ceiving a grant under this section may carry out the
18 activities of the grant through a partnership with
19 other entities, including other eligible institutions.

20 (c) *PROPOSALS*.—To receive an award under this sec-
21 tion, an eligible institution shall submit an application to
22 the Director at such time, in such manner, and containing
23 such information as the Director may require, including
24 a plan that describes how the eligible institution will estab-

1 *lish or expand research office capacity and how such award*
2 *would be used to—*

3 (1) *conduct an assessment of capacity-building*
4 *and research infrastructure needs of an eligible insti-*
5 *tution;*

6 (2) *enhance institutional resources to provide ad-*
7 *ministrative research development support to faculty*
8 *at an eligible institution;*

9 (3) *bolster the institutional research competitive-*
10 *ness of an eligible institution to support grants*
11 *awarded by the Directorate;*

12 (4) *support the acquisition of instrumentation*
13 *necessary to build research capacity at an eligible in-*
14 *stitution in research areas directly associated with the*
15 *Directorate;*

16 (5) *increase capability of an eligible institution*
17 *to move technology into the marketplace;*

18 (6) *increase engagement with industry to execute*
19 *research through the SBIR and STTR programs (as*
20 *defined in section 9(e) of the Small Business Act (15*
21 *U.S.C. 638(e)) and direct contracts at an eligible in-*
22 *stitution;*

23 (7) *provide student engagement and research*
24 *training opportunities at the undergraduate, grad-*
25 *uate, and postdoctoral levels at an eligible institution;*

1 (8) *further faculty development initiatives and*
2 *strengthen institutional research training infrastruc-*
3 *ture, capacity, and competitiveness of an eligible in-*
4 *stitution; or*

5 (9) *address plans and prospects for long-term*
6 *sustainability of institutional enhancements at an eli-*
7 *gible institution resulting from the award including,*
8 *if applicable, how the award may be leveraged by an*
9 *eligible institution to build a broader base of support.*

10 (d) *AWARDS.—Awards made under this section shall*
11 *be for periods of 3 years, and may be extended for periods*
12 *of not more than 5 years.*

13 (e) *FUNDING.—From the amounts made available to*
14 *carry out section 2104 under section 2116 for each of fiscal*
15 *years 2022 through 2026, the Director shall use*
16 *\$150,000,000 for each such fiscal year to carry out this sec-*
17 *tion.*

18 **SEC. 2111. TECHNICAL ASSISTANCE.**

19 *The Director may—*

20 (1) *coordinate with other Federal agencies to es-*
21 *tablish interagency and multidisciplinary teams to*
22 *provide technical assistance to recipients of, and pro-*
23 *spective applicants for, awards under this title;*

24 (2) *by Federal interagency agreement and not-*
25 *withstanding any other provision of law, transfer*

1 *funds available to carry out this title to the head of*
2 *another Federal agency to facilitate and support the*
3 *provision of such technical assistance; and*

4 (3) *enter into contracts with third parties to pro-*
5 *vide such technical assistance.*

6 **SEC. 2112. COORDINATION OF ACTIVITIES.**

7 (a) *IN GENERAL.*—*In carrying out the activities of the*
8 *Directorate, the Director shall coordinate and work coopera-*
9 *tively with the Secretary of Energy, the Director of the Na-*
10 *tional Institute of Standards and Technology, and the heads*
11 *of other Federal research agencies, as appropriate, to fur-*
12 *ther the goals of this title in the key technology focus areas.*

13 (b) *AVOID DUPLICATION.*—*The Director shall ensure,*
14 *to the greatest extent practicable, that activities carried out*
15 *by the Directorate are not duplicative of activities sup-*
16 *ported by other parts of the Foundation or other relevant*
17 *Federal agencies. In carrying out the activities prescribed*
18 *by this division, the Director shall coordinate with the*
19 *Interagency Working Group and heads of other Federal re-*
20 *search agencies to ensure these activities enhance and com-*
21 *plement, but do not constitute unnecessary duplication of*
22 *effort and to ensure the responsible stewardship of funds.*

23 (c) *COMPTROLLER GENERAL REPORT.*—*Not later than*
24 *3 years after the date of enactment of this division, the*
25 *Comptroller General of the United States shall prepare and*

1 *submit a report to Congress, and shall simultaneously sub-*
2 *mit the report to the Director, the Director of the Office*
3 *of Science and Technology Policy, and the Secretary of En-*
4 *ergy describing the interagency cooperation that occurred*
5 *during the preceding years pursuant to this section, includ-*
6 *ing a list of—*

7 (1) *any funds provided from the Directorate to*
8 *other directorates and offices of the Foundation; and*

9 (2) *any instances in which unnecessary duplica-*
10 *tion of effort may have occurred.*

11 **SEC. 2113. REPORTING REQUIREMENTS.**

12 (a) *REPORTS.—Not later than 1 year after the date*
13 *of enactment of this division and annually thereafter, the*
14 *Director, in coordination with the heads of relevant Federal*
15 *agencies, shall prepare and submit to Congress—*

16 (1) *a strategic vision and spending plan for the*
17 *next 5 years for the Directorate, including a descrip-*
18 *tion of how the Foundation will increase funding for*
19 *research and education for populations underrep-*
20 *resented in STEM and geographic areas;*

21 (2) *in coordination with the Secretary of State,*
22 *a description of any funds the Foundation may plan*
23 *to receive from—*

24 (A) *entities other than institutions of higher*
25 *education; and*

1 (B) *certain designated countries; and*
2 (3) *a description of the planned activities of the*
3 *Directorate to secure federally funded science and*
4 *technology pursuant to section 1746 of the National*
5 *Defense Authorization Act for Fiscal Year 2020 (Pub-*
6 *lic Law 116–92; 42 U.S.C. 6601 note) and section*
7 *223 of William M. (Mac) Thornberry National De-*
8 *fense Authorization Act for Fiscal Year 2021 (Public*
9 *Law 116–283) and the requirements under title III.*

10 (b) *ANNUAL BRIEFING.*—*Each year, the Director and*
11 *the Secretary of Energy shall formally request a joint brief-*
12 *ing from the Secretary of Defense, the Secretary of Com-*
13 *merce, the Director of the Federal Bureau of Investigation,*
14 *the Director of National Intelligence, and as appropriate*
15 *the heads of other Federal agencies regarding their efforts*
16 *to preserve the United States’ advantages generated by the*
17 *activity of the Directorate.*

18 (c) *PROVIDING AUTHORITY TO DISSEMINATE INFOR-*
19 *MATION.*—*Section 11 of the National Science Foundation*
20 *Act of 1950 (42 U.S.C. 1870) is amended—*

21 (1) *in subsection (j), by striking “and” after the*
22 *semicolon;*

23 (2) *in subsection (k), by striking the period at*
24 *the end and inserting “; and”; and*

25 (3) *by adding at the end the following:*

1 “(l) to provide for the widest practicable and ap-
2 propriate dissemination of information within the
3 United States concerning the Foundation’s activities
4 and the results of those activities.”.

5 **SEC. 2114. HANDS-ON LEARNING PROGRAM.**

6 (a) *FINDINGS.*—Congress finds the following:

7 (1) *Developing a robust, talented, and home-*
8 *grown workforce, particularly in the fields of STEM,*
9 *is critical to the success of the United States innova-*
10 *tion economy.*

11 (2) *The United States educational system is not*
12 *producing a sufficient number of workers with the*
13 *necessary STEM expertise to meet the needs of the*
14 *United States industry in STEM fields.*

15 (3) *Hands-on and experiential learning opportu-*
16 *nities outside of the classroom are critical for student*
17 *success in STEM subjects and careers, stimulating*
18 *students’ interest, increasing confidence, and creating*
19 *motivation to pursue a related career.*

20 (4) *Hands-on and experiential learning opportu-*
21 *nities can be particularly successful in inspiring in-*
22 *terest in students who traditionally have been under-*
23 *represented in STEM fields, including girls, students*
24 *of color, and students from disadvantaged back-*
25 *grounds.*

1 (5) *An expansion of hands-on and experiential*
2 *learning programs across the United States would ex-*
3 *pend the STEM workforce pipeline, developing and*
4 *training students for careers in STEM fields.*

5 (b) *DEFINITIONS.*—

6 (1) *ESEA TERMS.*—*The terms “elementary*
7 *school”, “high school”, “secondary school”, and*
8 *“State” have the meanings given the terms in section*
9 *8101 of the Elementary and Secondary Education*
10 *Act of 1965 (20 U.S.C. 7801).*

11 (2) *ELIGIBLE NONPROFIT PROGRAM.*—*The term*
12 *“eligible nonprofit program”*—

13 (A) *means a nonprofit program serving pre-*
14 *kindergarten, elementary school, or secondary*
15 *school students; and*

16 (B) *includes a program described in sub-*
17 *paragraph (A) that covers the continuum of edu-*
18 *cation from prekindergarten through high school*
19 *and is available in every State.*

20 (c) *PURPOSES.*—*The purposes of this section are to*—

21 (1) *provide effective, compelling, and engaging*
22 *means for teaching and reinforcing fundamental*
23 *STEM concepts and inspiring the youth of the United*
24 *States to pursue careers in STEM-related fields;*

1 (2) *expand the STEM workforce pipeline by de-*
2 *veloping and training students for careers in United*
3 *States STEM fields; and*

4 (3) *broaden participation in the STEM work-*
5 *force by underrepresented population groups.*

6 (d) *PROGRAM AUTHORIZED.—*

7 (1) *IN GENERAL.—Subject to the availability of*
8 *appropriations for such purposes, the Director shall—*

9 (A) *provide grants to eligible nonprofit pro-*
10 *grams for supporting hands-on learning oppor-*
11 *tunities in STEM education, including via after-*
12 *school activities and innovative learning oppor-*
13 *tunities such as robotics competitions; and*

14 (B) *evaluate the impact of such hands-on*
15 *learning opportunities on STEM learning and*
16 *disseminate the results of that evaluation.*

17 (2) *PRIORITY.—In awarding grants under the*
18 *program, the Director shall give priority to eligible*
19 *nonprofit programs serving students that attend ele-*
20 *mentary, secondary, or high schools that—*

21 (A) *are implementing comprehensive sup-*
22 *port and improvement activities or targeted sup-*
23 *port and improvement activities under para-*
24 *graph (1) or (2) of section 1111(d) of the Ele-*

1 *mentary and Secondary Education Act of 1965*
2 *(20 U.S.C. 6311(d)); or*

3 *(B) serve high percentages of students who*
4 *are eligible for a free or reduced price lunch*
5 *under the Richard B. Russell National School*
6 *Lunch Act (42 U.S.C. 1751 et seq.) (which, in*
7 *the case of a high school, may be calculated using*
8 *comparable data from the schools that feed into*
9 *the high school).*

10 *(e) AUTHORIZATION OF APPROPRIATIONS.—From the*
11 *amounts made available to carry out section 2106 under*
12 *section 2116 for each of fiscal years 2022 through 2026, the*
13 *Director shall use \$25,000,000 for each such fiscal year to*
14 *carry out this section.*

15 **SEC. 2115. INTELLECTUAL PROPERTY PROTECTION.**

16 *Consistent with the requirements for the award, all in-*
17 *tellectual property that is developed through the Founda-*
18 *tion, or any program that has received funding through this*
19 *division (or an amendment made by this division), shall*
20 *not be transferred to—*

21 *(1) any foreign entity of concern, as defined in*
22 *section 2307(a);*

23 *(2) any United States subsidiary, division, or*
24 *chapter of such a foreign entity of concern; or*

1 (3) *any for-profit, or nonprofit, partnership that*
2 *includes such a foreign entity of concern in the part-*
3 *nership.*

4 **SEC. 2116. AUTHORIZATION OF APPROPRIATIONS FOR THE**
5 **FOUNDATION.**

6 (a) *FISCAL YEAR 2022.*—

7 (1) *FOUNDATION.*—*There is authorized to be ap-*
8 *propriated to the Foundation \$10,800,000,000 for fis-*
9 *cal year 2022.*

10 (2) *SPECIFIC NSF ALLOCATIONS.*—*Of the amount*
11 *authorized under paragraph (1)—*

12 (A) *\$9,000,000,000 shall be made available*
13 *to carry out the activities of the Foundation out-*
14 *side of the Directorate, of which \$1,000,000,000*
15 *shall be for STEM education and related activi-*
16 *ties, including workforce activities under section*
17 *2202; and*

18 (B) *\$1,800,000,000 shall be made available*
19 *to the Directorate, of which—*

20 (i) *\$594,000,000 shall be for the inno-*
21 *vation centers under section 2104;*

22 (ii) *\$324,000,000 shall be for scholar-*
23 *ships, fellowships, and other activities under*
24 *section 2106;*

1 (iii) \$252,000,000 shall be for aca-
2 demic technology transfer under section
3 2109;

4 (iv) \$180,000,000 shall be for test beds
5 under section 2108;

6 (v) \$270,000,000 shall be for research
7 and development activities under section
8 2107; and

9 (vi) an amount equal to 10 percent of
10 the total made available to the Directorate
11 under this subparagraph shall be trans-
12 ferred to the Foundation for collaboration
13 with directorates and offices of the Founda-
14 tion outside of the Directorate as described
15 under section 2102(c)(7).

16 (b) *FISCAL YEAR 2023.*—

17 (1) *FOUNDATION.*—There is authorized to be ap-
18 propriated to the Foundation \$12,800,000,000 for fis-
19 cal year 2023.

20 (2) *SPECIFIC NSF ALLOCATIONS.*—Of the amount
21 authorized under paragraph (1)—

22 (A) \$9,600,000,000 shall be made available
23 to carry out the activities of the Foundation out-
24 side of the Directorate, of which \$1,190,000,000
25 shall be for STEM education and related activi-

1 *ties, including workforce activities under section*
2 *2202; and*

3 *(B) \$3,200,000,000 shall be made available*
4 *to the Directorate, of which—*

5 *(i) \$1,056,000,000 shall be for the in-*
6 *novation centers under section 2104;*

7 *(ii) \$576,000,000 shall be for scholar-*
8 *ships, fellowships, and other activities under*
9 *section 2106;*

10 *(iii) \$448,000,000 shall be for aca-*
11 *demie technology transfer under section*
12 *2109;*

13 *(iv) \$320,000,000 shall be for test beds*
14 *under section 2108;*

15 *(v) \$480,000,000 shall be for research*
16 *and development activities under section*
17 *2107; and*

18 *(vi) an amount equal to 10 percent of*
19 *the total made available to the Directorate*
20 *under this subparagraph shall be trans-*
21 *ferred to the Foundation for collaboration*
22 *with directorates and offices of the Founda-*
23 *tion outside of the Directorate as described*
24 *under section 2102(c)(7).*

25 *(c) FISCAL YEAR 2024.—*

1 (1) *FOUNDATION.*—*There is authorized to be ap-*
2 *propriated to the Foundation \$16,600,000,000 for fis-*
3 *cal year 2024.*

4 (2) *SPECIFIC NSF ALLOCATIONS.*—*Of the amount*
5 *authorized under paragraph (1)—*

6 (A) *\$10,300,000,000 shall be made available*
7 *to carry out the activities of the Foundation out-*
8 *side of the Directorate, of which \$1,600,000,000*
9 *shall be for STEM education and related activi-*
10 *ties, including workforce activities under section*
11 *2202; and*

12 (B) *\$6,300,000,000 shall be made available*
13 *to the Directorate, of which—*

14 (i) *\$2,079,000,000 shall be for the in-*
15 *novation centers under section 2104;*

16 (ii) *\$1,134,000,000 shall be for scholar-*
17 *ships, fellowships, and other activities under*
18 *section 2106;*

19 (iii) *\$882,000,000 shall be for aca-*
20 *demie technology transfer under section*
21 *2109;*

22 (iv) *\$630,000,000 shall be for test beds*
23 *under section 2108;*

1 (v) \$945,000,000 shall be for research
2 and development activities under section
3 2107; and

4 (vi) an amount equal to 10 percent of
5 the total made available to the Directorate
6 under this subparagraph shall be trans-
7 ferred to the Foundation for collaboration
8 with directorates and offices of the Founda-
9 tion outside of the Directorate as described
10 under section 2102(c)(7).

11 (d) FISCAL YEAR 2025.—

12 (1) FOUNDATION.—There is authorized to be ap-
13 propriated to the Foundation \$19,500,000,000 for fis-
14 cal year 2025.

15 (2) SPECIFIC NSF ALLOCATIONS.—Of the amount
16 authorized under paragraph (1)—

17 (A) \$11,100,000,000 shall be made available
18 to carry out the activities of the Foundation out-
19 side of the Directorate, of which \$2,100,000,000
20 shall be for STEM education and related activi-
21 ties, including workforce activities under section
22 2202; and

23 (B) \$8,400,000,000 shall be made available
24 to the Directorate, of which—

1 (i) \$2,772,000,000 shall be for the in-
2 novation centers under section 2104;

3 (ii) \$1,512,000,000 shall be for scholar-
4 ships, fellowships, and other activities under
5 section 2106;

6 (iii) \$1,176,000,000 shall be for aca-
7 demic technology transfer under section
8 2109;

9 (iv) \$840,000,000 shall be for test beds
10 under section 2108;

11 (v) \$1,260,000,000 shall be for research
12 and development activities under section
13 2107; and

14 (vi) an amount equal to 10 percent of
15 the total made available to the Directorate
16 under this subparagraph shall be trans-
17 ferred to the Foundation for collaboration
18 with directorates and offices of the Founda-
19 tion outside of the Directorate as described
20 under section 2102(c)(7).

21 (e) *FISCAL YEAR 2026.*—

22 (1) *FOUNDATION.*—There is authorized to be ap-
23 propriated to the Foundation \$21,300,000,000 for fis-
24 cal year 2026.

1 (2) *SPECIFIC NSF ALLOCATIONS.*—*Of the amount*
2 *authorized under paragraph (1)—*

3 (A) *\$12,000,000,000 shall be made available*
4 *to carry out the activities of the Foundation out-*
5 *side of the Directorate, of which \$2,540,000,000*
6 *shall be for STEM education and related activi-*
7 *ties, including workforce activities under section*
8 *2202; and*

9 (B) *\$9,300,000,000 shall be made available*
10 *to the Directorate, of which—*

11 (i) *\$3,069,000,000 shall be for the in-*
12 *novation centers under section 2104;*

13 (ii) *\$1,674,000,000 shall be for scholar-*
14 *ships, fellowships, and other activities under*
15 *section 2106;*

16 (iii) *\$1,302,000,000 shall be for aca-*
17 *demie technology transfer under section*
18 *2109;*

19 (iv) *\$930,000,000 shall be for test beds*
20 *under section 2108;*

21 (v) *\$1,395,000,000 shall be for research*
22 *and development activities under section*
23 *2107; and*

24 (vi) *an amount equal to 10 percent of*
25 *the total made available to the Directorate*

1 *under this subparagraph shall be trans-*
2 *ferred to the Foundation for collaboration*
3 *with directorates and offices of the Founda-*
4 *tion outside of the Directorate as described*
5 *under section 2102(c)(7).*

6 *(f) ALLOCATION AND LIMITATIONS.—*

7 *(1) ALLOCATION FOR THE OFFICE OF INSPECTOR*
8 *GENERAL.—From any amounts appropriated for the*
9 *Foundation for a fiscal year, the Director shall allo-*
10 *cate for necessary expenses of the Office of Inspector*
11 *General of the Foundation an amount of not less than*
12 *\$33,000,000 in any fiscal year for oversight of the*
13 *programs and activities funded under this section in*
14 *accordance with the Inspector General Act of 1978 (5*
15 *U.S.C. App.).*

16 *(2) SUPPLEMENT AND NOT SUPPLANT.—The*
17 *amounts authorized to be appropriated under this sec-*
18 *tion shall supplement, and not supplant, any other*
19 *amounts previously appropriated to the Office of the*
20 *Inspector General of the Foundation.*

21 *(3) NO NEW AWARDS.—The Director shall not*
22 *make any new awards for the activities under the Di-*
23 *rectorate for any fiscal year in which the total*
24 *amount appropriated to the Foundation (not includ-*
25 *ing amounts appropriated for the Directorate) is less*

1 *than the total amount appropriated to the Founda-*
2 *tion (not including such amounts), adjusted by the*
3 *rate of inflation, for the previous fiscal year.*

4 (4) *NO FUNDS FOR CONSTRUCTION.—No funds*
5 *provided to the Directorate under this section shall be*
6 *used for construction.*

7 **SEC. 2117. AUTHORIZATION OF APPROPRIATIONS FOR THE**
8 **DEPARTMENT OF ENERGY.**

9 (a) *AUTHORIZATION OF APPROPRIATIONS.—*

10 (1) *FISCAL YEAR 2022.—There is authorized to be*
11 *appropriated to the Department of Energy*
12 *\$1,000,000,000 for fiscal year 2022 to carry out re-*
13 *search and development and address energy-related*
14 *supply chain activities within the key technology*
15 *focus areas.*

16 (2) *FISCAL YEAR 2023.—There is authorized to be*
17 *appropriated to the Department of Energy*
18 *\$1,800,000,000 for fiscal year 2023 to carry out re-*
19 *search and development and address energy-related*
20 *supply chain activities within the key technology*
21 *focus areas.*

22 (3) *FISCAL YEAR 2024.—There is authorized to be*
23 *appropriated to the Department of Energy*
24 *\$3,700,000,000 for fiscal year 2024 to carry out re-*
25 *search and development and address energy-related*

1 *supply chain activities within the key technology*
2 *focus areas.*

3 (4) *FISCAL YEAR 2025.—There is authorized to be*
4 *appropriated to the Department of Energy*
5 *\$4,900,000,000 for fiscal year 2025 to carry out re-*
6 *search and development and address energy-related*
7 *supply chain activities within the key technology*
8 *focus areas.*

9 (5) *FISCAL YEAR 2026.—There is authorized to be*
10 *appropriated to the Department of Energy*
11 *\$5,500,000,000 for fiscal year 2026 to carry out re-*
12 *search and development and address energy-related*
13 *supply chain activities within the key technology*
14 *focus areas.*

15 (b) *SUPPLEMENT AND NOT SUPPLANT.—The amounts*
16 *authorized to be appropriated under this section shall sup-*
17 *plement, and not supplant, any other amounts previously*
18 *authorized to be appropriated to the Department of Energy.*

19 (c) *NO FUNDS FOR CONSTRUCTION.—No funds pro-*
20 *vided to the Department of Energy under this section shall*
21 *be used for construction.*

1 **SEC. 2118. AUTHORIZATION OF APPROPRIATIONS FOR THE**
 2 **DEFENSE ADVANCED RESEARCH PROJECTS**
 3 **AGENCY.**

4 (a) *IN GENERAL.*—Notwithstanding any other provi-
 5 sion of law, there is authorized to be appropriated for the
 6 Defense Advanced Research Projects Agency to conduct re-
 7 search and development in key technology focus areas
 8 \$3,500,000,000 for each of fiscal years 2022 through 2026.

9 (b) *SUPPLEMENT, NOT SUPPLANT.*—Any amount ap-
 10 propriated pursuant to the authorization in subsection (a)
 11 shall supplement and not supplant any amounts already
 12 appropriated for the Defense Advanced Research Projects
 13 Agency.

14 **TITLE II—NSF RESEARCH, STEM,**
 15 **AND GEOGRAPHIC DIVERSITY**
 16 **INITIATIVES**

17 **SEC. 2201. CHIEF DIVERSITY OFFICER OF THE NSF.**

18 (a) *CHIEF DIVERSITY OFFICER.*—

19 (1) *APPOINTMENT.*—The President shall appoint,
 20 by and with the consent of the Senate, a Chief Diver-
 21 sity Officer of the Foundation.

22 (2) *QUALIFICATIONS.*—The Chief Diversity Offi-
 23 cer shall have significant experience, within the Fed-
 24 eral Government and the science community, with
 25 diversity- and inclusion-related matters, including—

26 (A) *civil rights compliance;*

1 (B) harassment policy, reviews, and inves-
2 tigations;

3 (C) equal employment opportunity; and

4 (D) disability policy.

5 (3) *OVERSIGHT.*—*The Chief Diversity Officer*
6 *shall direct the Office of Diversity and Inclusion of*
7 *the Foundation and report directly to the Director in*
8 *the performance of the duties of the Chief Diversity*
9 *Officer under this section.*

10 (b) *DUTIES.*—*The Chief Diversity Officer is respon-*
11 *sible for providing advice on policy, oversight, guidance,*
12 *and coordination with respect to matters of the Foundation*
13 *related to diversity and inclusion, including ensuring the*
14 *geographic diversity of the Foundation programs. Other du-*
15 *ties may include—*

16 (1) *establishing and maintaining a strategic*
17 *plan that publicly states a diversity definition, vi-*
18 *sion, and goals for the Foundation;*

19 (2) *defining a set of strategic metrics that are—*

20 (A) *directly linked to key organizational*
21 *priorities and goals;*

22 (B) *actionable; and*

23 (C) *actively used to implement the strategic*
24 *plan under paragraph (1);*

1 (3) *advising in the establishment of a strategic*
2 *plan for diverse participation by individuals and in-*
3 *stitutions of higher education, including community*
4 *colleges, historically Black colleges and universities,*
5 *Tribal colleges or universities, minority-serving insti-*
6 *tutions, institutions of higher education with an es-*
7 *tablished STEM capacity building program focused*
8 *on traditionally underrepresented populations in*
9 *STEM, including Native Hawaiians, Alaska Natives,*
10 *and Indians, and institutions from jurisdictions eligi-*
11 *ble to participate under section 113 of the National*
12 *Science Foundation Authorization Act of 1988 (42*
13 *U.S.C. 1862g);*

14 (4) *advising in the establishment of a strategic*
15 *plan for outreach to, and recruiting from, untapped*
16 *locations and underrepresented populations;*

17 (5) *advising on the application of the Founda-*
18 *tion’s broader impacts review criterion; and*

19 (6) *performing such additional duties and exer-*
20 *cise such powers as the Director may prescribe.*

21 (c) *FUNDING.—From any amounts appropriated for*
22 *the Foundation for each of fiscal years 2022 through 2026,*
23 *the Director shall allocate \$5,000,000 to carry out this sec-*
24 *tion for each such year.*

1 **SEC. 2202. PROGRAMS TO ADDRESS THE STEM WORKFORCE.**

2 (a) *IN GENERAL.*—*The Director shall issue under-*
3 *graduate scholarships, including at community colleges,*
4 *graduate fellowships and traineeships, postdoctoral awards,*
5 *and, as appropriate, other awards.*

6 (b) *IMPLEMENTATION.*—*The Director may carry out*
7 *subsection (a) by making awards—*

8 (1) *directly to students; or*

9 (2) *to institutions of higher education or con-*
10 *sortia of institutions of higher education, including*
11 *those institutions or consortia involved in operating*
12 *university technology centers established under section*
13 *2104(a).*

14 (c) *BROADENING PARTICIPATION.*—*In carrying out*
15 *this section, the Director shall take steps to increase the par-*
16 *ticipation of populations that are underrepresented in*
17 *STEM, which may include—*

18 (1) *establishing or augmenting programs tar-*
19 *geted at populations that are underrepresented in*
20 *STEM;*

21 (2) *supporting traineeships or other relevant*
22 *programs at minority-serving institutions (or institu-*
23 *tions of higher education with an established STEM*
24 *capacity building program focused on traditionally*
25 *underrepresented populations in STEM, including*
26 *Native Hawaiians, Alaska Natives, and Indians);*

1 (3) *addressing current and expected gaps in the*
2 *availability and skills of the STEM workforce, or ad-*
3 *ressing the needs of the STEM workforce, including*
4 *by prioritizing awards to United States citizens, per-*
5 *manent residents, and individuals that will grow the*
6 *domestic workforce;*

7 (4) *addressing geographic diversity in the STEM*
8 *workforce; and*

9 (5) *awarding grants to institutions of higher*
10 *education to address STEM workforce gaps, including*
11 *for programs that recruit, retain, and progress stu-*
12 *dents to a bachelor's degree in a STEM discipline*
13 *concurrent with a secondary school diploma, such as*
14 *through existing and new partnerships with State*
15 *educational agencies.*

16 (d) *INNOVATION.—*

17 (1) *GRADUATE EDUCATION.—In carrying out*
18 *this section, the Director shall encourage innovation*
19 *in graduate education, and studying the impacts of*
20 *such innovations, including through encouraging in-*
21 *stitutions of higher education to offer graduate stu-*
22 *dents opportunities to gain experience in industry or*
23 *government as part of their graduate training, and*
24 *through support for students in professional masters*
25 *programs related to the key technology focus areas.*

1 (2) *POSTDOCTORAL PROFESSIONAL DEVELOP-*
2 *MENT.*—*In carrying out this section, the Director*
3 *shall encourage innovation in postdoctoral profes-*
4 *sional development, support the development and di-*
5 *versity of the STEM workforce, and study the impacts*
6 *of such innovation and support. To do so, the Direc-*
7 *tor may use postdoctoral awards established under*
8 *subsection (a) or leveraged under subsection (e)(1) for*
9 *fellowships or other temporary rotational postings of*
10 *not more than 2 years. Such fellowships or temporary*
11 *rotational postings shall be awarded—*

12 (A) *to qualified individuals who have a doc-*
13 *toral degree and received such degree not earlier*
14 *than 5 years before the date that the fellowship*
15 *or temporary rotational posting begins; and*

16 (B) *to carry out research in the key tech-*
17 *nology focus areas at Federal, State, local, and*
18 *Tribal government research facilities.*

19 (3) *DIRECT HIRE AUTHORITY.*—

20 (A) *IN GENERAL.*—*During fiscal year 2021*
21 *and any fiscal year thereafter, the head of any*
22 *Federal agency may appoint, without regard to*
23 *the provisions of subchapter I of chapter 33 of*
24 *title 5, United States Code, other than sections*
25 *3303 and 3328 of that title, a qualified can-*

1 *didate described in subparagraph (B) directly to*
2 *a position in the competitive service with the*
3 *Federal agency for which the candidate meets Of-*
4 *fice of Personnel Management qualification*
5 *standards.*

6 *(B) FELLOWSHIP OR TEMPORARY ROTA-*
7 *TIONAL POSTING.—Subparagraph (A) applies*
8 *with respect to a former recipient of an award*
9 *under this subsection who—*

10 *(i) earned a doctoral degree in a*
11 *STEM field from an institution of higher*
12 *education; and*

13 *(ii) successfully fulfilled the require-*
14 *ments of the fellowship or temporary rota-*
15 *tional posting within a Federal agency.*

16 *(C) LIMITATION.—The direct hire authority*
17 *under this paragraph shall be exercised with re-*
18 *spect to a specific qualified candidate not later*
19 *than 2 years after the date that the candidate*
20 *completed the requirements related to the fellow-*
21 *ship or temporary rotational posting described*
22 *under this subsection.*

23 *(e) EXISTING PROGRAMS.—In carrying out this sec-*
24 *tion, the Director may leverage existing programs, includ-*
25 *ing programs that issue—*

1 (1) *postdoctoral awards;*

2 (2) *graduate fellowships and traineeships, inclu-*
3 *sive of the NSF Research Traineeships and fellow-*
4 *ships awarded under the Graduate Research Fellow-*
5 *ship Program; and*

6 (3) *scholarships, research experiences, and in-*
7 *ternships, including—*

8 (A) *scholarships to attend community col-*
9 *leges; and*

10 (B) *research experiences and internships*
11 *under sections 513, 514, and 515 of the America*
12 *COMPETES Reauthorization Act of 2010 (42*
13 *U.S.C. 1862p–5; 1862p–6; 42 U.S.C. 1862p–7);*
14 *and*

15 (4) *awards to institutions of higher education to*
16 *enable the institutions to fund innovation in under-*
17 *graduate and graduate education, increased edu-*
18 *cational capacity, and the development and establish-*
19 *ment of new or specialized programs of study for*
20 *graduate, undergraduate, or technical college students,*
21 *and the evaluation of the effectiveness of the programs*
22 *of study.*

23 (f) *SET ASIDE.*—*The Director shall ensure that not less*
24 *than 20 percent of the funds available to carry out this sec-*
25 *tion shall be used to support institutions of higher edu-*

1 cation, and other institutions, located in jurisdictions that
2 participate in the program under section 113 of the Na-
3 tional Science Foundation Authorization Act of 1988 (42
4 U.S.C. 1862g).

5 **SEC. 2203. EMERGING RESEARCH INSTITUTION PILOT PRO-**
6 **GRAM.**

7 (a) *IN GENERAL.*—The Director shall establish a 5-
8 year pilot program for awarding grants to eligible partner-
9 ships, led by 1 or more emerging research institutions, to
10 build research and education capacity at emerging research
11 institutions to enable such institutions to contribute to pro-
12 grams run by the Directorate.

13 (b) *APPLICATIONS.*—An eligible partnership seeking a
14 grant under this section shall submit an application to the
15 Director at such time, in such manner, and containing such
16 information as the Director may reasonably require, in-
17 cluding a statement of how the partnership will use the
18 funds awarded through the grant to achieve a lasting, sus-
19 tainable increase in the research and education capacity
20 of each emerging research institution included in the eligi-
21 ble partnership.

22 (c) *ACTIVITIES.*—An eligible partnership receiving a
23 grant under this section may use the funds awarded through
24 such grant for increasing research, education, and innova-
25 tion capacity, including for—

1 (1) *faculty training and resources, including*
2 *joint resources;*

3 (2) *research experiences for undergraduate and*
4 *graduate students; and*

5 (3) *maintenance and repair of research equip-*
6 *ment and instrumentation.*

7 (d) *DEFINITION OF ELIGIBLE PARTNERSHIP.—In this*
8 *section, the term “eligible partnership” means a partner-*
9 *ship of—*

10 (1) *at least 1 emerging research institution; and*

11 (2) *at least 1 institution that, on average for the*
12 *3 years prior to an application for an award under*
13 *this section, received more than \$100,000,000 in Fed-*
14 *eral research funding.*

15 **SEC. 2204. PERSONNEL MANAGEMENT AUTHORITIES FOR**
16 **THE FOUNDATION.**

17 (a) *EXPERTS IN SCIENCE AND ENGINEERING.—*

18 (1) *PROGRAM AUTHORIZED.—The Foundation*
19 *may carry out a program of personnel management*
20 *authority provided under paragraph (2) in order to*
21 *facilitate recruitment of eminent experts in science or*
22 *engineering for research and development projects and*
23 *to enhance the administration and management of the*
24 *Foundation.*

1 (2) *PERSONNEL MANAGEMENT AUTHORITY.*—
2 Under the program under paragraph (1), the Foun-
3 dation may—

4 (A) without regard to any provision of title
5 5, United States Code, governing the appoint-
6 ment of employees in the civil service, appoint
7 individuals to a total of not more than 140 posi-
8 tions in the Foundation, of which not more than
9 5 such positions may be positions of administra-
10 tion or management of the Foundation;

11 (B) notwithstanding any provision of title
12 5, United States Code, governing the rates of pay
13 or classification of employees in the executive
14 branch, prescribe the rates of basic pay for posi-
15 tions to which employees are appointed under
16 subparagraph (A)—

17 (i) in the case of employees appointed
18 pursuant to subparagraph (A) to any of 5
19 positions designated by the Foundation for
20 purposes of this clause, at rates not in ex-
21 cess of a rate equal to 150 percent of the
22 maximum rate of basic pay authorized for
23 positions at level I of the Executive Sched-
24 ule under section 5312 of title 5, United
25 States Code; and

1 (ii) in the case of any other employee
2 appointed pursuant to subparagraph (A),
3 at rates not in excess of the maximum rate
4 of basic pay authorized for senior-level posi-
5 tions under section 5376 of title 5, United
6 States Code; and

7 (C) pay any employee appointed under sub-
8 paragraph (A), other than an employee ap-
9 pointed to a position designated as described in
10 subparagraph (B)(i), payments in addition to
11 basic pay within the limit applicable to the em-
12 ployee under paragraph (4).

13 (3) *LIMITATION ON TERM OF APPOINTMENT.*—

14 (A) *IN GENERAL.*—Except as provided in
15 subparagraph (B), the service of an employee
16 under an appointment under paragraph (2)(A)
17 may not exceed 4 years.

18 (B) *EXTENSION.*—The Director may, in the
19 case of a particular employee under the program
20 under paragraph (1), extend the period to which
21 service is limited under subparagraph (A) by up
22 to 2 years if the Director determines that such
23 action is necessary to promote the efficiency of
24 the Foundation, as applicable.

1 (4) *MAXIMUM AMOUNT OF ADDITIONAL PAY-*
2 *MENTS PAYABLE.*—*Notwithstanding any other provi-*
3 *sion of this subsection or section 5307 of title 5,*
4 *United States Code, no additional payments may be*
5 *paid to an employee under paragraph (2)(C) in any*
6 *calendar year if, or to the extent that, the employee’s*
7 *total annual compensation in such calendar year will*
8 *exceed the maximum amount of total annual com-*
9 *penetration payable at the salary set in accordance*
10 *with section 104 of title 3, United States Code.*

11 (b) *HIGHLY QUALIFIED EXPERTS IN NEEDED OCCU-*
12 *PATIONS.*—

13 (1) *IN GENERAL.*—*The Foundation may carry*
14 *out a program using the authority provided in para-*
15 *graph (2) in order to attract highly qualified experts*
16 *in needed occupations, as determined by the Founda-*
17 *tion. Individuals hired by the Director through such*
18 *authority may include individuals with expertise in*
19 *business creativity, innovation management, design*
20 *thinking, entrepreneurship, venture capital, and re-*
21 *lated fields.*

22 (2) *AUTHORITY.*—*Under the program, the Foun-*
23 *ation may—*

24 (A) *appoint personnel from outside the civil*
25 *service and uniformed services (as such terms are*

1 *defined in section 2101 of title 5, United States*
2 *Code) to positions in the Foundation without re-*
3 *gard to any provision of title 5, United States*
4 *Code, governing the appointment of employees to*
5 *positions in the Foundation;*

6 *(B) prescribe the rates of basic pay for posi-*
7 *tions to which employees are appointed under*
8 *subparagraph (A) at rates not in excess of the*
9 *maximum rate of basic pay authorized for sen-*
10 *ior-level positions under section 5376 of title 5,*
11 *United States Code, as increased by locality-*
12 *based comparability payments under section*
13 *5304 of such title, notwithstanding any provi-*
14 *sion of such title governing the rates of pay or*
15 *classification of employees in the executive*
16 *branch; and*

17 *(C) pay any employee appointed under sub-*
18 *paragraph (A) payments in addition to basic*
19 *pay within the limits applicable to the employee*
20 *under paragraph (4).*

21 (3) *LIMITATION ON TERM OF APPOINTMENT.—*

22 *(A) IN GENERAL.—Except as provided in*
23 *subparagraph (B), the service of an employee*
24 *under an appointment made pursuant to this*
25 *subsection may not exceed 5 years.*

1 (B) *EXTENSION.*—*The Foundation may, in*
2 *the case of a particular employee, extend the pe-*
3 *riod to which service is limited under subpara-*
4 *graph (A) by up to 1 additional year if the*
5 *Foundation determines that such action is nec-*
6 *essary to promote the Foundation’s national se-*
7 *curity missions.*

8 (4) *LIMITATIONS ON ADDITIONAL PAYMENTS.*—

9 (A) *TOTAL AMOUNT.*—

10 (i) *IN GENERAL.*—*The total amount of*
11 *the additional payments paid to an em-*
12 *ployee under this subsection for any 12-*
13 *month period may not exceed the lesser of*
14 *the following amounts:*

15 (I) *\$50,000 in fiscal year 2021,*
16 *which may be adjusted annually there-*
17 *after by the Foundation, with a per-*
18 *centage increase equal to one-half of 1*
19 *percentage point less than the percent-*
20 *age by which the Employment Cost*
21 *Index, published quarterly by the Bu-*
22 *reau of Labor Statistics, for the base*
23 *quarter of the year before the preceding*
24 *calendar year exceeds the Employment*
25 *Cost Index for the base quarter of the*

1 *second year before the preceding cal-*
2 *endar year.*

3 (ii) *The amount equal to 50 per-*
4 *cent of the employee’s annual rate of*
5 *basic pay.*

6 (ii) *DEFINITION OF BASE QUARTER.—*
7 *For purposes of this subparagraph, the term*
8 *“base quarter” has the meaning given such*
9 *term by section 5302(3) of title 5, United*
10 *States Code.*

11 (B) *ELIGIBILITY FOR PAYMENTS.—An em-*
12 *ployee appointed under this subsection is not eli-*
13 *gible for any bonus, monetary award, or other*
14 *monetary incentive for service, except for pay-*
15 *ments authorized under this subsection.*

16 (C) *ADDITIONAL LIMITATION.—Notwith-*
17 *standing any other provision of this paragraph*
18 *or of section 5307 of title 5, United States Code,*
19 *no additional payments may be paid to an em-*
20 *ployee under this subsection in any calendar*
21 *year if, or to the extent that, the employee’s total*
22 *annual compensation will exceed the maximum*
23 *amount of total annual compensation payable at*
24 *the salary set in accordance with section 104 of*
25 *title 3, United States Code.*

1 (5) *LIMITATION ON NUMBER OF HIGHLY QUALI-*
2 *FIED EXPERTS.—The number of highly qualified ex-*
3 *perts appointed and retained by the Foundation*
4 *under paragraph (2)(A) shall not exceed 140 at any*
5 *time.*

6 (6) *SAVINGS PROVISIONS.—In the event that the*
7 *Foundation terminates the program under this sub-*
8 *section, in the case of an employee who, on the day*
9 *before the termination of the program, is serving in*
10 *a position pursuant to an appointment under this*
11 *subsection—*

12 (A) *the termination of the program does not*
13 *terminate the employee’s employment in that po-*
14 *sition before the expiration of the lesser of—*

15 (i) *the period for which the employee*
16 *was appointed; or*

17 (ii) *the period to which the employee’s*
18 *service is limited under paragraph (3), in-*
19 *cluding any extension made under this sub-*
20 *section before the termination of the pro-*
21 *gram; and*

22 (B) *the rate of basic pay prescribed for the*
23 *position under this subsection may not be re-*
24 *duced as long as the employee continues to serve*
25 *in the position without a break in service.*

1 (c) *ADDITIONAL HIRING AUTHORITY.*—*To the extent*
2 *needed to carry out the duties under subsection (a)(1), the*
3 *Director is authorized to utilize hiring authorities under*
4 *section 3372 of title 5, United States Code, to staff the*
5 *Foundation with employees from other Federal agencies,*
6 *State and local governments, Indian Tribes and Tribal or-*
7 *ganizations, institutions of higher education, and other or-*
8 *ganizations, as described in that section, in the same man-*
9 *ner and subject to the same conditions, that apply to such*
10 *individuals utilized to accomplish other missions of the*
11 *Foundation.*

12 (d) *NATIONAL ACADEMY OF PUBLIC ADMINISTRA-*
13 *TION.*—

14 (1) *STUDY.*—*Not later than 30 days after the*
15 *date of enactment of this division, the Director shall*
16 *contract with the National Academy of Public Ad-*
17 *ministration to conduct a study on the organizational*
18 *and management structure of the Foundation, to—*

19 (A) *evaluate and make recommendations to*
20 *efficiently and effectively implement the Direc-*
21 *torate for Technology and Innovation;*

22 (B) *evaluate and make recommendations to*
23 *ensure coordination of the Directorate for Tech-*
24 *nology and Innovation with other directorates*

1 *and offices of the Foundation and other Federal*
 2 *agencies; and*

3 *(C) make recommendations for the manage-*
 4 *ment of the Foundation’s business and personnel*
 5 *practices, including implementation of the new*
 6 *hiring authorities and program director authori-*
 7 *ties provided in this section and section 2103.*

8 (2) *REVIEW.*—*Upon completion of the study*
 9 *under paragraph (1), the Foundation shall review the*
 10 *recommendations from the National Academy of Pub-*
 11 *lic Administration and provide a briefing to Congress*
 12 *on the plans of the Foundation to implement any*
 13 *such recommendations.*

14 **SEC. 2205. ADVANCED TECHNOLOGICAL MANUFACTURING**
 15 **ACT.**

16 (a) *FINDINGS AND PURPOSE.*—*Section 2 of the Sci-*
 17 *entific and Advanced-Technology Act of 1992 (42 U.S.C.*
 18 *1862h) is amended—*

19 (1) *in subsection (a)—*

20 (A) *in paragraph (3), by striking “science,*
 21 *mathematics, and technology” and inserting*
 22 *“science, technology, engineering, and mathe-*
 23 *matics or STEM”;*

24 (B) *in paragraph (4), by inserting “edu-*
 25 *cated” and before “trained”; and*

1 (C) in paragraph (5), by striking “scientific
2 and technical education and training” and in-
3 serting “STEM education and training”; and
4 (2) in subsection (b)—

5 (A) in paragraph (2), by striking “mathe-
6 matics and science” and inserting “STEM
7 fields”; and

8 (B) in paragraph (4), by striking “mathe-
9 matics and science instruction” and inserting
10 “STEM instruction”.

11 (b) *MODERNIZING REFERENCES TO STEM.*—Section
12 3 of the Scientific and Advanced-Technology Act of 1992
13 (42 U.S.C. 1862i) is amended—

14 (1) in the section heading, by striking “**SCI-**
15 **ENTIFIC AND TECHNICAL EDUCATION** ” and in-
16 serting “**STEM EDUCATION**”;

17 (2) in subsection (a)—

18 (A) in the subsection heading, by striking
19 “*SCIENTIFIC AND TECHNICAL EDUCATION* ” and
20 inserting “*STEM EDUCATION*”;

21 (B) in the matter preceding paragraph
22 (1)—

23 (i) by inserting “and education to pre-
24 pare the skilled technical workforce to meet

1 *workforce demands*” before “, and to im-
2 *prove*”;

3 (ii) by striking “*core education courses*
4 *in science and mathematics*” and inserting
5 “*core education courses in STEM fields*”;

6 (iii) by inserting “*veterans and indi-*
7 *viduals engaged in*” before “*work in the*
8 *home*”; and

9 (iv) by inserting “*and on building a*
10 *pathway from secondary schools, to asso-*
11 *ciate-degree-granting institutions, to careers*
12 *that require technical training*” before “,
13 *and shall be designed*”;

14 (C) in paragraph (1)—

15 (i) by inserting “*and study*” after “*de-*
16 *velopment*”; and

17 (ii) by striking “*core science and*
18 *mathematics courses*” and inserting “*core*
19 *STEM courses*”;

20 (D) in paragraph (2), by striking “*science,*
21 *mathematics, and advanced-technology fields*”
22 and inserting “*STEM and advanced-technology*
23 *fields*”;

24 (E) in paragraph (3)(A), by inserting “*to*
25 *support the advanced-technology industries that*

1 *drive the competitiveness of the United States in*
2 *the global economy” before the semicolon at the*
3 *end;*

4 (F) *in paragraph (4), by striking “scientific*
5 *and advanced-technology fields” and inserting*
6 *“STEM and advanced-technology fields”; and*

7 (G) *in paragraph (5), by striking “ad-*
8 *vanced scientific and technical education” and*
9 *inserting “advanced STEM and advanced-tech-*
10 *nology”;*

11 (3) *in subsection (b)—*

12 (A) *by striking the subsection heading and*
13 *inserting the following: “CENTERS OF SCI-*
14 *ENTIFIC AND TECHNICAL EDUCATION.—”;*

15 (B) *in the matter preceding paragraph (1),*
16 *by striking “not to exceed 12 in number” and*
17 *inserting “in advanced-technology fields”;*

18 (C) *in paragraph (2), by striking “edu-*
19 *cation in mathematics and science” and insert-*
20 *ing “STEM education”;* and

21 (D) *in the flush matter following paragraph*
22 *(2), by striking “in the geographic region served*
23 *by the center”;*

24 (4) *in subsection (c)—*

25 (A) *in paragraph (1)—*

1 (i) in subparagraph (A)—

2 (I) in the matter preceding clause
3 (i), by striking “to encourage” and all
4 that follows through “such means as—
5 ” and inserting “to encourage the de-
6 velopment of career and educational
7 pathways with multiple entry and exit
8 points leading to credentials and de-
9 grees, and to assist students pursuing
10 pathways in STEM fields to transition
11 from associate-degree-granting colleges
12 to bachelor-degree-granting institu-
13 tions, through such means as—”;

14 (II) in clause (i), by striking “to
15 ensure” and inserting “to develop ar-
16 ticipation agreements that ensure”;
17 and

18 (III) in clause (ii), by striking
19 “courses at the bachelor-degree-grant-
20 ing institution” and inserting “the ca-
21 reer and educational pathways sup-
22 ported by the articulation agreements”;
23 (ii) in subparagraph (B)—

1 (I) in clause (i), by inserting
2 “veterans and individuals engaged in”
3 before “work in the home”;

4 (II) in clause (iii)—

5 (aa) by striking “bachelor’s-
6 degree-granting institutions” and
7 inserting “institutions or work
8 sites”; and

9 (bb) by inserting “or indus-
10 try internships” after “summer
11 programs”; and

12 (III) by striking the flush text fol-
13 lowing clause (iv); and

14 (iii) by striking subparagraph (C);

15 (B) in paragraph (2)—

16 (i) by striking “mathematics and
17 science programs” and inserting “STEM
18 programs”;

19 (ii) by inserting “and, as appropriate,
20 elementary schools,” after “with secondary
21 schools”;

22 (iii) by striking “mathematics and
23 science education” and inserting “STEM
24 education”;

1 (iv) by striking “secondary school stu-
2 dents” and inserting “students at these
3 schools”;

4 (v) by striking “science and advanced-
5 technology fields” and inserting “STEM
6 and advanced-technology fields”; and

7 (vi) by striking “agreements with local
8 educational agencies” and inserting “ar-
9 ticulation agreements or dual credit courses
10 with local secondary schools, or other means
11 as the Director determines appropriate,”;
12 and

13 (C) in paragraph (3)—

14 (i) by striking subparagraph (B);

15 (ii) by striking “shall—”and all that
16 follows through “establish a” and inserting
17 “shall establish a”;

18 (iii) by striking “the fields of science,
19 technology, engineering, and mathematics”
20 and inserting “STEM fields”; and

21 (iv) by striking “; and” and inserting
22 “, including jobs at Federal and academic
23 laboratories.”;

24 (5) in subsection (d)(2)—

1 (A) in subparagraph (D), by striking “and”
2 after the semicolon;

3 (B) in subparagraph (E), by striking the
4 period at the end and inserting a semicolon; and

5 (C) by adding at the end the following:

6 “(F) as appropriate, applications that
7 apply the best practices for STEM education and
8 technical skills education through distance learn-
9 ing or in a simulated work environment, as de-
10 termined by research described in subsection (f);
11 and”;

12 (6) in subsection (g), by striking the second sen-
13 tence;

14 (7) in subsection (h)(1)—

15 (A) in subparagraph (A), by striking
16 “2022” and inserting “2026”;

17 (B) in subparagraph (B), by striking
18 “2022” and inserting “2026”; and

19 (C) in subparagraph (C)—

20 (i) by striking “up to \$2,500,000” and
21 inserting “not less than \$3,000,000”; and

22 (ii) by striking “2022” and inserting
23 “2026”;

24 (8) in subsection (i)—

25 (A) by striking paragraph (3); and

1 (B) by redesignating paragraphs (4) and
2 (5) as paragraphs (3) and (4), respectively; and
3 (9) in subsection (j)—

4 (A) by striking paragraph (1) and inserting
5 the following:

6 “(1) the term *advanced-technology* includes tech-
7 nological fields such as advanced manufacturing, ag-
8 ricultural-, biological- and chemical-technologies, en-
9 ergy and environmental technologies, engineering
10 technologies, information technologies, micro and
11 nano-technologies, cybersecurity technologies,
12 geospatial technologies, and new, emerging technology
13 areas;”;

14 (B) in paragraph (4), by striking “*separate*
15 *bachelor-degree-granting institutions*” and in-
16 serting “*other entities*”;

17 (C) by striking paragraph (7);

18 (D) by redesignating paragraphs (8) and
19 (9) as paragraphs (7) and (8), respectively;

20 (E) in paragraph (7), as redesignated by
21 subparagraph (D), by striking “and” after the
22 semicolon;

23 (F) in paragraph (8), as redesignated by
24 subparagraph (D)—

1 (i) by striking “mathematics, science,
2 engineering, or technology” and inserting
3 “science, technology, engineering, or mathe-
4 matics”; and

5 (ii) by striking the period at the end
6 and inserting “; and”; and

7 (G) by adding at the end the following:

8 “(9) the term skilled technical workforce means
9 workers—

10 “(A) in occupations that use significant lev-
11 els of science and engineering expertise and tech-
12 nical knowledge; and

13 “(B) whose level of educational attainment
14 is less than a bachelor degree.”.

15 (c) *AUTHORIZATION OF APPROPRIATIONS.*—Section 5
16 of the *Scientific and Advanced-Technology Act of 1992* (42
17 *U.S.C. 1862j*) is amended to read as follows:

18 “**SEC. 5. AUTHORIZATION OF APPROPRIATIONS.**

19 “*There are authorized to be appropriated to the Direc-*
20 *tor (from sums otherwise authorized to be appropriated for*
21 *the Foundation) for carrying out sections 2 through 4,*
22 *\$150,000,000 for fiscal years 2022 through 2026.*”.

1 **SEC. 2206. INTRAMURAL EMERGING INSTITUTIONS PILOT**
2 **PROGRAM.**

3 (a) *ESTABLISHMENT.*—*The Director shall conduct*
4 *multiple pilot programs within the Foundation to expand*
5 *the number of institutions of higher education (including*
6 *such institutions that are community colleges), and other*
7 *eligible entities that the Director determines appropriate,*
8 *that are able to successfully compete for Foundation grants.*

9 (b) *COMPONENTS.*—*Each pilot program described in*
10 *subsection (a) shall include at least 1 of the following ele-*
11 *ments:*

12 (1) *A mentorship program.*

13 (2) *Grant writing technical assistance.*

14 (3) *Targeted outreach, including to a minority-*
15 *serving institution (including a historically Black col-*
16 *lege or university, a Tribal college or university, or*
17 *a Hispanic-serving institution or an institution of*
18 *higher education with an established STEM capacity*
19 *building program focused on traditionally underrep-*
20 *resented populations in STEM, including Native Ha-*
21 *waiians, Alaska Natives, and Indians).*

22 (4) *Programmatic support or solutions for insti-*
23 *tutions or entities that do not have an experienced*
24 *grant management office.*

1 (5) *An increase in the number of grant reviewers*
2 *from institutions of higher education that have not*
3 *traditionally received funds from the Foundation.*

4 (6) *An increase of the term and funding, for a*
5 *period of 3 years or less, as appropriate, to a prin-*
6 *cipal investigator that is a first-time grant awardee,*
7 *when paired with regular mentoring on the adminis-*
8 *trative aspects of grant management.*

9 (c) *LIMITATION.*—*As appropriate, each pilot program*
10 *described in subsection (a) shall work to reduce administra-*
11 *tive burdens.*

12 (d) *AGENCY-WIDE PROGRAMS.*—*Not later than 5 years*
13 *after the date of enactment of this division, the Director*
14 *shall—*

15 (1) *review the results of the pilot programs de-*
16 *scribed in subsection (a); and*

17 (2) *develop agency-wide best practices from the*
18 *pilot programs for implementation across the Foun-*
19 *dition, in order to fulfill the requirement under sec-*
20 *tion 3(e) of the National Science Foundation Act of*
21 *1950 (42 U.S.C. 1862(e)).*

22 **SEC. 2207. PUBLIC-PRIVATE PARTNERSHIPS.**

23 (a) *IN GENERAL.*—*The Director shall pursue partner-*
24 *ships with private industry, private foundations, or other*
25 *appropriate private entities to—*

1 (1) *enhance the impact of the Foundation’s in-*
2 *vestments and contributions to the United States eco-*
3 *nommic competitiveness and security; and*

4 (2) *make available infrastructure, expertise, and*
5 *financial resources to the United States scientific and*
6 *engineering research and education enterprise.*

7 (b) *MERIT REVIEW.*—*Nothing in this section shall be*
8 *construed as altering any intellectual or broader impacts*
9 *criteria at the Foundation for evaluating grant applica-*
10 *tions.*

11 **SEC. 2208. AI SCHOLARSHIP-FOR-SERVICE ACT.**

12 (a) *DEFINITIONS.*—*In this section:*

13 (1) *ARTIFICIAL INTELLIGENCE.*—*The term “arti-*
14 *ficial intelligence” or “AI” has the meaning given the*
15 *term “artificial intelligence” in section 238(g) of the*
16 *John S. McCain National Defense Authorization Act*
17 *for Fiscal Year 2019 (10 U.S.C. 2358 note).*

18 (2) *EXECUTIVE AGENCY.*—*The term “executive*
19 *agency” has the meaning given the term “Executive*
20 *agency” in section 105 of title 5, United States Code.*

21 (3) *REGISTERED INTERNSHIP.*—*The term “reg-*
22 *istered internship” means a Federal Registered In-*
23 *ternship Program coordinated through the Depart-*
24 *ment of Labor.*

1 (b) *IN GENERAL.*—*The Director, in coordination with*
2 *the Director of the Office of Personnel Management, the Di-*
3 *rector of the National Institute of Standards and Tech-*
4 *nology, and the heads of other agencies with appropriate*
5 *scientific knowledge, shall establish a Federal artificial in-*
6 *telligence scholarship-for-service program (referred to in*
7 *this section as the Federal AI Scholarship-for-Service Pro-*
8 *gram) to recruit and train artificial intelligence profes-*
9 *sionals to lead and support the application of artificial in-*
10 *telligence to the missions of Federal, State, local, and Tribal*
11 *governments.*

12 (c) *QUALIFIED INSTITUTION OF HIGHER EDU-*
13 *CATION.*—*The Director, in coordination with the heads of*
14 *other agencies with appropriate scientific knowledge, shall*
15 *establish criteria to designate qualified institutions of high-*
16 *er education that shall be eligible to participate in the Fed-*
17 *eral AI Scholarship-for-Service program. Such criteria*
18 *shall include—*

19 (1) *measures of the institution’s demonstrated*
20 *excellence in the education of students in the field of*
21 *artificial intelligence; and*

22 (2) *measures of the institution’s ability to at-*
23 *tract and retain a diverse and non-traditional stu-*
24 *dent population in the fields of science, technology,*
25 *engineering, and mathematics, which may include the*

1 *ability to attract women, minorities, and individuals*
2 *with disabilities.*

3 *(d) PROGRAM DESCRIPTION AND COMPONENTS.—The*
4 *Federal AI Scholarship-for-Service Program shall—*

5 *(1) provide scholarships through qualified insti-*
6 *tutions of higher education to students who are en-*
7 *rolled in programs of study at institutions of higher*
8 *education leading to degrees or concentrations in or*
9 *related to the artificial intelligence field;*

10 *(2) provide the scholarship recipients with sum-*
11 *mer internship opportunities, registered internships,*
12 *or other meaningful temporary appointments in the*
13 *Federal workforce focusing on AI projects or research;*

14 *(3) prioritize the employment placement of schol-*
15 *arship recipients in executive agencies;*

16 *(4) identify opportunities to promote multi-dis-*
17 *ciplinary programs of study that integrate basic or*
18 *advanced AI training with other fields of study, in-*
19 *cluding those that address the social, economic, legal,*
20 *and ethical implications of human interaction with*
21 *AI systems; and*

22 *(5) support capacity-building education research*
23 *programs that will enable postsecondary educational*
24 *institutions to expand their ability to train the next-*

1 *generation AI workforce, including AI researchers and*
2 *practitioners.*

3 *(e) SCHOLARSHIP AMOUNTS.—Each scholarship under*
4 *subsection (d) shall be in an amount that covers the stu-*
5 *dent’s tuition and fees at the institution for not more than*
6 *3 years and provides the student with an additional sti-*
7 *pend.*

8 *(f) POST-AWARD EMPLOYMENT OBLIGATIONS.—Each*
9 *scholarship recipient, as a condition of receiving a scholar-*
10 *ship under the program, shall enter into an agreement*
11 *under which the recipient agrees to work for a period equal*
12 *to the length of the scholarship, following receipt of the stu-*
13 *dent’s degree, in the AI mission of—*

14 *(1) an executive agency;*

15 *(2) Congress, including any agency, entity, of-*
16 *fice, or commission established in the legislative*
17 *branch;*

18 *(3) an interstate agency;*

19 *(4) a State, local, or Tribal government, which*
20 *may include instruction in AI-related skill sets in a*
21 *public school system; or*

22 *(5) a State, local, or Tribal government-affiliated*
23 *nonprofit entity that is considered to be critical infra-*
24 *structure (as defined in section 1016(e) of the USA*
25 *Patriot Act (42 U.S.C. 5195c(e))).*

1 (g) *HIRING AUTHORITY.*—

2 (1) *APPOINTMENT IN EXCEPTED SERVICE.*—Not-
3 withstanding any provision of chapter 33 of title 5,
4 United States Code, governing appointments in the
5 competitive service, an executive agency may appoint
6 an individual who has completed the eligible degree
7 program for which a scholarship was awarded to a
8 position in the excepted service in the executive agen-
9 cy.

10 (2) *NONCOMPETITIVE CONVERSION.*—Except as
11 provided in paragraph (4), upon fulfillment of the
12 service term, an employee appointed under paragraph
13 (1) may be converted noncompetitively to term, ca-
14 reer-conditional, or career appointment.

15 (3) *TIMING OF CONVERSION.*—An executive agen-
16 cy may noncompetitively convert a term employee ap-
17 pointed under paragraph (2) to a career-conditional
18 or career appointment before the term appointment
19 expires.

20 (4) *AUTHORITY TO DECLINE CONVERSION.*—An
21 executive agency may decline to make the noncompeti-
22 tive conversion or appointment under paragraph (2)
23 for cause.

24 (h) *ELIGIBILITY.*—To be eligible to receive a scholar-
25 ship under this section, an individual shall—

1 (1) *be a citizen or lawful permanent resident of*
2 *the United States;*

3 (2) *demonstrate a commitment to a career in ad-*
4 *vancing the field of AI;*

5 (3) *be—*

6 (A) *a full-time student in an eligible degree*
7 *program at a qualified institution of higher edu-*
8 *cation, as determined by the Director;*

9 (B) *a student pursuing a degree on a less*
10 *than full-time basis, but not less than half-time*
11 *basis; or*

12 (C) *an AI faculty member on sabbatical to*
13 *advance knowledge in the field; and*

14 (4) *accept the terms of a scholarship under this*
15 *section.*

16 (i) *CONDITIONS OF SUPPORT.—*

17 (1) *IN GENERAL.—As a condition of receiving a*
18 *scholarship under this section, a recipient shall agree*
19 *to provide the qualified institution of higher edu-*
20 *cation with annual verifiable documentation of post-*
21 *award employment and up-to-date contact informa-*
22 *tion.*

23 (2) *TERMS.—A scholarship recipient under this*
24 *section shall be liable to the United States as provided*
25 *in subsection (k) if the individual—*

1 (A) fails to maintain an acceptable level of
2 academic standing at the applicable institution
3 of higher education, as determined by the Direc-
4 tor;

5 (B) is dismissed from the applicable institu-
6 tion of higher education for disciplinary reasons;

7 (C) withdraws from the eligible degree pro-
8 gram before completing the program;

9 (D) declares that the individual does not in-
10 tend to fulfill the post-award employment obliga-
11 tion under this section; or

12 (E) fails to fulfill the post-award employ-
13 ment obligation of the individual under this sec-
14 tion.

15 (j) *MONITORING COMPLIANCE.*—As a condition of par-
16 ticipating in the program, a qualified institution of higher
17 education shall—

18 (1) enter into an agreement with the Director to
19 monitor the compliance of scholarship recipients with
20 respect to their post-award employment obligations;
21 and

22 (2) provide to the Director, on an annual basis,
23 the post-award employment documentation required
24 under subsection (i) for scholarship recipients through

1 *the completion of their post-award employment obli-*
2 *gations.*

3 *(k) AMOUNT OF REPAYMENT.—*

4 *(1) LESS THAN 1 YEAR OF SERVICE.—If a cir-*
5 *cumstance described in subsection (i)(2) occurs before*
6 *the completion of 1 year of a post-award employment*
7 *obligation under this section, the total amount of*
8 *scholarship awards received by the individual under*
9 *this section shall—*

10 *(A) be repaid; or*

11 *(B) be treated as a loan to be repaid in ac-*
12 *cordance with subsection (l).*

13 *(2) 1 OR MORE YEARS OF SERVICE.—If a cir-*
14 *cumstance described in subparagraph (D) or (E) of*
15 *subsection (i)(2) occurs after the completion of 1 or*
16 *more years of a post-award employment obligation*
17 *under this section, the total amount of scholarship*
18 *awards received by the individual under this section,*
19 *reduced by the ratio of the number of years of service*
20 *completed divided by the number of years of service*
21 *required, shall—*

22 *(A) be repaid; or*

23 *(B) be treated as a loan to be repaid in ac-*
24 *cordance with subsection (l).*

1 *(l) REPAYMENTS.—A loan described in subsection (k)*
2 *shall—*

3 *(1) be treated as a Federal Direct Unsubsidized*
4 *Stafford Loan under part D of title IV of the Higher*
5 *Education Act of 1965 (20 U.S.C. 1087a et seq.); and*

6 *(2) be subject to repayment, together with inter-*
7 *est thereon accruing from the date of the scholarship*
8 *award, in accordance with terms and conditions spec-*
9 *ified by the Director (in consultation with the Sec-*
10 *retary of Education).*

11 *(m) COLLECTION OF REPAYMENT.—*

12 *(1) IN GENERAL.—In the event that a scholar-*
13 *ship recipient is required to repay the scholarship*
14 *award under this section, the qualified institution of*
15 *higher education providing the scholarship shall—*

16 *(A) determine the repayment amounts and*
17 *notify the recipient and the Director of the*
18 *amounts owed; and*

19 *(B) collect the repayment amounts within a*
20 *period of time as determined by the Director, or*
21 *the repayment amounts shall be treated as a loan*
22 *in accordance with subsection (l).*

23 *(2) RETURNED TO TREASURY.—Except as pro-*
24 *vided in paragraph (3), any repayment under this*

1 subsection shall be returned to the Treasury of the
2 United States.

3 (3) *RETAIN PERCENTAGE.*—A qualified institu-
4 tion of higher education may retain a percentage of
5 any repayment the institution collects under this sub-
6 section to defray administrative costs associated with
7 the collection. The Director shall establish a fixed per-
8 centage that will apply to all eligible entities, and
9 may update this percentage as needed, in the deter-
10 mination of the Director.

11 (n) *EXCEPTIONS.*—The Director may provide for the
12 partial or total waiver or suspension of any service or pay-
13 ment obligation by an individual under this section when-
14 ever compliance by the individual with the obligation is im-
15 possible or would involve extreme hardship to the indi-
16 vidual, or if enforcement of such obligation with respect to
17 the individual would be unconscionable.

18 (o) *PUBLIC INFORMATION.*—

19 (1) *EVALUATION.*—The Director, in coordination
20 with the Director of the Office of Personnel Manage-
21 ment, shall annually evaluate and make public, in a
22 manner that protects the personally identifiable infor-
23 mation of scholarship recipients, information on the
24 success of recruiting individuals for scholarships
25 under this section and on hiring and retaining those

1 *individuals in the public sector AI workforce, includ-*
2 *ing information on—*

3 *(A) placement rates;*

4 *(B) where students are placed, including job*
5 *titles and descriptions;*

6 *(C) salary ranges for students not released*
7 *from obligations under this section;*

8 *(D) how long after graduation students are*
9 *placed;*

10 *(E) how long students stay in the positions*
11 *they enter upon graduation;*

12 *(F) how many students are released from*
13 *obligations; and*

14 *(G) what, if any, remedial training is re-*
15 *quired.*

16 *(2) REPORTS.—The Director, in coordination*
17 *with the Office of Personnel Management, shall sub-*
18 *mit, not less frequently than once every 3 years, to the*
19 *Committee on Homeland Security and Governmental*
20 *Affairs of the Senate, the Committee on Commerce,*
21 *Science, and Transportation of the Senate, the Com-*
22 *mittee on Science, Space, and Technology of the*
23 *House of Representatives, and the Committee on*
24 *Oversight and Reform of the House of Representatives*
25 *a report, including the results of the evaluation under*

1 paragraph (1) and any recent statistics regarding the
2 size, composition, and educational requirements of the
3 Federal AI workforce.

4 (3) *RESOURCES.*—*The Director, in coordination*
5 *with the Director of the Office of Personnel Manage-*
6 *ment, shall provide consolidated and user-friendly on-*
7 *line resources for prospective scholarship recipients,*
8 *including, to the extent practicable—*

9 (A) *searchable, up-to-date, and accurate in-*
10 *formation about participating institutions of*
11 *higher education and job opportunities related to*
12 *the AI field; and*

13 (B) *a modernized description of AI careers.*

14 (p) *REFRESH.*—*Not less than once every 2 years, the*
15 *Director, in coordination with the Director of the Office of*
16 *Personnel Management, shall review and update the Fed-*
17 *eral AI Scholarship-for-Service Program to reflect advances*
18 *in technology.*

19 **SEC. 2209. GEOGRAPHIC DIVERSITY.**

20 (a) *DIRECTORATE.*—*The Director shall use not less*
21 *than 20 percent of the funds provided to the Directorate,*
22 *for each fiscal year, to carry out the program under section*
23 *113 of the National Science Foundation Authorization Act*
24 *of 1988 (42 U.S.C. 1862g) for the purposes of carrying out*
25 *sections 2104, 2106, 2107, 2108, and 2109 of this Act.*

1 (b) *NATIONAL SCIENCE FOUNDATION.*—*The Director*
2 *shall use not less than 20 percent of the funds provided to*
3 *the Foundation, for each fiscal year, to carry out the pro-*
4 *gram under section 113 of the National Science Foundation*
5 *Authorization Act of 1988 (42 U.S.C. 1862g).*

6 (c) *DEPARTMENT OF ENERGY.*—*The Secretary of En-*
7 *ergy shall use not less than 20 percent of the funds provided*
8 *to the Department of Energy under section 2117 for each*
9 *fiscal year to carry out the program under section*
10 *2203(b)(3) of the Energy Policy Act of 1992 (42 U.S.C.*
11 *13503(b)(3)).*

12 (d) *CONSORTIA.*—*In the case of an award to a consor-*
13 *tium under this division, the Director may count the entire*
14 *award toward meeting the funding requirements of this sec-*
15 *tion if the lead entity of the consortium is located in a juris-*
16 *isdiction that is eligible to participate in the program under*
17 *section 113 of the National Science Foundation Authoriza-*
18 *tion Act of 1988 (42 U.S.C. 1862g). In the case of an award*
19 *to a consortium under this division, the Secretary may*
20 *count the entire award toward meeting the funding require-*
21 *ments of this section if the lead entity of the consortium*
22 *is located in a jurisdiction that is eligible to participate*
23 *in the program under section 2203(b)(3) of the Energy Pol-*
24 *icy Act of 1992 (42 U.S.C. 13503(b)(3)).*

1 **SEC. 2210. RURAL STEM EDUCATION ACT.**

2 (a) *DEFINITIONS.—In this section:*

3 (1) *FEDERAL LABORATORY.—The term “Federal*
4 *laboratory” has the meaning given such term in sec-*
5 *tion 4 of the Stevenson-Wydler Technology Innovation*
6 *Act of 1980 (15 U.S.C. 3703).*

7 (2) *INSTITUTION OF HIGHER EDUCATION.—The*
8 *term “institution of higher education” has the mean-*
9 *ing given such term in section 101(a) of the Higher*
10 *Education Act of 1965 (20 U.S.C. 1001(a)).*

11 (3) *STEM.—The term “STEM” has the meaning*
12 *given the term in section 2 of the America COM-*
13 *PETES Reauthorization Act of 2010 (42 U.S.C. 6621*
14 *note).*

15 (4) *STEM EDUCATION.—The term “STEM edu-*
16 *cation” has the meaning given the term in section 2*
17 *of the STEM Education Act of 2015 (42 U.S.C. 6621*
18 *note).*

19 (b) *NATIONAL SCIENCE FOUNDATION RURAL STEM*
20 *ACTIVITIES.—*

21 (1) *PREPARING RURAL STEM EDUCATORS.—*

22 (A) *IN GENERAL.—The Director shall pro-*
23 *vide grants on a merit-reviewed, competitive*
24 *basis to institutions of higher education or non-*
25 *profit organizations (or a consortium thereof) for*
26 *research and development to advance innovative*

1 *approaches to support and sustain high-quality*
2 *STEM teaching in rural schools.*

3 *(B) USE OF FUNDS.—*

4 *(i) IN GENERAL.—Grants awarded*
5 *under this paragraph shall be used for the*
6 *research and development activities referred*
7 *to in subparagraph (A), which may in-*
8 *clude—*

9 *(I) engaging rural educators of*
10 *students in prekindergarten through*
11 *grade 12 in professional learning op-*
12 *portunities to enhance STEM knowl-*
13 *edge, including computer science, and*
14 *develop best practices;*

15 *(II) supporting research on effec-*
16 *tive STEM teaching practices in rural*
17 *settings, including the use of rubrics*
18 *and mastery-based grading practices to*
19 *assess student performance when em-*
20 *ploying the transdisciplinary teaching*
21 *approach for STEM disciplines;*

22 *(III) designing and developing*
23 *pre-service and in-service training re-*
24 *sources to assist such rural educators*

1 *in adopting transdisciplinary teaching*
2 *practices across STEM courses;*

3 *(IV) coordinating with local part-*
4 *ners to adapt STEM teaching practices*
5 *to leverage local, natural, and commu-*
6 *nity assets in order to support in-place*
7 *learning in rural areas;*

8 *(V) providing hands-on training*
9 *and research opportunities for rural*
10 *educators described in subclause (I) at*
11 *Federal laboratories or institutions of*
12 *higher education, or in industry;*

13 *(VI) developing training and best*
14 *practices for educators who teach mul-*
15 *tiple grade levels within a STEM dis-*
16 *cipline;*

17 *(VII) designing and implementing*
18 *professional development courses and*
19 *experiences, including mentoring, for*
20 *rural educators described in subclause*
21 *(I) that combine face-to-face and online*
22 *experiences; and*

23 *(VIII) any other activity the Di-*
24 *rector determines will accomplish the*
25 *goals of this paragraph.*

1 (ii) *RURAL STEM COLLABORATIVE.*—

2 *The Director shall establish a pilot program*
3 *of regional cohorts in rural areas that will*
4 *provide peer support, mentoring, and*
5 *hands-on research experiences for rural*
6 *STEM educators of students in prekindergarten*
7 *through grade 12, in order to build*
8 *an ecosystem of cooperation among edu-*
9 *cators, researchers, academia, and local in-*
10 *dustry.*

11 (2) *BROADENING PARTICIPATION OF RURAL STU-*

12 *DENTS IN STEM.*—

13 (A) *IN GENERAL.*—*The Director shall pro-*
14 *vide grants on a merit-reviewed, competitive*
15 *basis to institutions of higher education or non-*
16 *profit organizations (or a consortium thereof)*
17 *for—*

18 (i) *research and development of pro-*
19 *gramming to identify the barriers rural stu-*
20 *dents face in accessing high-quality STEM*
21 *education; and*

22 (ii) *development of innovative solutions*
23 *to improve the participation and advance-*
24 *ment of rural students in prekindergarten*
25 *through grade 12 in STEM studies.*

1 (B) *USE OF FUNDS.*—

2 (i) *IN GENERAL.*—Grants awarded
3 under this paragraph shall be used for the
4 research and development activities referred
5 to in subparagraph (A), which may in-
6 clude—

7 (I) *developing partnerships with*
8 *community colleges to offer advanced*
9 *STEM course work, including com-*
10 *puter science, to rural high school stu-*
11 *dents;*

12 (II) *supporting research on effec-*
13 *tive STEM practices in rural settings;*

14 (III) *implementing a school-wide*
15 *STEM approach;*

16 (IV) *improving the Foundation’s*
17 *Advanced Technology Education pro-*
18 *gram’s coordination and engagement*
19 *with rural communities;*

20 (V) *collaborating with existing*
21 *community partners and networks,*
22 *such as the Cooperative Extension Sys-*
23 *tem services and extramural research*
24 *programs of the Department of Agri-*
25 *culture and youth serving organiza-*

1 *tions like 4–H, after school STEM pro-*
2 *grams, and summer STEM programs,*
3 *to leverage community resources and*
4 *develop place-based programming;*

5 *(VI) connecting rural school dis-*
6 *tricts and institutions of higher edu-*
7 *cation, to improve precollegiate STEM*
8 *education and engagement;*

9 *(VII) supporting partnerships*
10 *that offer hands-on inquiry-based*
11 *science activities, including coding,*
12 *and access to lab resources for students*
13 *studying STEM in prekindergarten*
14 *through grade 12 in a rural area;*

15 *(VIII) evaluating the role of*
16 *broadband connectivity and its associ-*
17 *ated impact on the STEM and tech-*
18 *nology literacy of rural students;*

19 *(IX) building capacity to support*
20 *extracurricular STEM programs in*
21 *rural schools, including mentor-led en-*
22 *gagement programs, STEM programs*
23 *held during nonschool hours, STEM*
24 *networks, makerspaces, coding activi-*
25 *ties, and competitions; and*

1 (X) any other activity the Direc-
2 tor determines will accomplish the
3 goals of this paragraph.

4 (3) APPLICATION.—An applicant seeking a grant
5 under paragraph (1) or (2) shall submit an applica-
6 tion at such time, in such manner, and containing
7 such information as the Director may require. The
8 application may include the following:

9 (A) A description of the target population
10 to be served by the research activity or activities
11 for which such grant is sought.

12 (B) A description of the process for recruit-
13 ment and selection of students, educators, or
14 schools from rural areas to participate in such
15 activity or activities.

16 (C) A description of how such activity or
17 activities may inform efforts to promote the en-
18 gagement and achievement of rural students in
19 prekindergarten through grade 12 in STEM
20 studies.

21 (D) In the case of a proposal consisting of
22 a partnership or partnerships with one or more
23 rural schools and one or more researchers, a plan
24 for establishing a sustained partnership that is
25 jointly developed and managed, draws from the

1 *capacities of each partner, and is mutually bene-*
2 *ficial.*

3 (4) *PARTNERSHIPS.*—*In awarding grants under*
4 *paragraph (1) or (2), the Director shall—*

5 (A) *encourage applicants which, for the*
6 *purpose of the activity or activities funded*
7 *through the grant, include or partner with a*
8 *nonprofit organization or an institution of high-*
9 *er education (or a consortium thereof) that has*
10 *extensive experience and expertise in increasing*
11 *the participation of rural students in prekind-*
12 *ergarten through grade 12 in STEM; and*

13 (B) *encourage applicants which, for the*
14 *purpose of the activity or activities funded*
15 *through the grant, include or partner with a con-*
16 *sortium of rural schools or rural school districts.*

17 (5) *EVALUATIONS.*—*All proposals for grants*
18 *under paragraphs (1) and (2) shall include an eval-*
19 *uation plan that includes the use of outcome-oriented*
20 *measures to assess the impact and efficacy of the*
21 *grant. Each recipient of a grant under this subsection*
22 *shall include results from these evaluative activities in*
23 *annual and final projects.*

24 (6) *ACCOUNTABILITY AND DISSEMINATION.*—

1 (A) *EVALUATION REQUIRED.*—*The Director*
2 *shall evaluate the portfolio of grants awarded*
3 *under paragraphs (1) and (2). Such evaluation*
4 *shall—*

5 (i) *assess the results of research con-*
6 *ducted under such grants and identify best*
7 *practices; and*

8 (ii) *to the extent practicable, integrate*
9 *the findings of research resulting from the*
10 *activity or activities funded through such*
11 *grants with the findings of other research on*
12 *rural students' pursuit of degrees or careers*
13 *in STEM.*

14 (B) *REPORT ON EVALUATIONS.*—*Not later*
15 *than 180 days after the completion of the evalua-*
16 *tion under subparagraph (A), the Director shall*
17 *submit to Congress and make widely available to*
18 *the public a report that includes—*

19 (i) *the results of the evaluation; and*

20 (ii) *any recommendations for adminis-*
21 *trative and legislative action that could op-*
22 *timize the effectiveness of the grants award-*
23 *ed under this subsection.*

24 (7) *REPORT BY COMMITTEE ON EQUAL OPPORTU-*
25 *NITIES IN SCIENCE AND ENGINEERING.*—*As part of*

1 *the first report required by section 36(e) of the*
2 *Science and Engineering Equal Opportunities Act*
3 *(42 U.S.C. 1885c(e)) transmitted to Congress after the*
4 *date of enactment of this division, the Committee on*
5 *Equal Opportunities in Science and Engineering*
6 *shall include—*

7 *(A) a description of past and present poli-*
8 *cies and activities of the Foundation to encour-*
9 *age full participation of students in rural com-*
10 *munities in science, mathematics, engineering,*
11 *and computer science fields; and*

12 *(B) an assessment of the policies and activi-*
13 *ties of the Foundation, along with proposals for*
14 *new strategies or the broadening of existing suc-*
15 *cessful strategies towards facilitating the goal of*
16 *increasing participation of rural students in*
17 *prekindergarten through grade 12 in Foundation*
18 *activities.*

19 *(8) COORDINATION.—In carrying out this sub-*
20 *section, the Director shall, for purposes of enhancing*
21 *program effectiveness and avoiding duplication of ac-*
22 *tivities, consult, cooperate, and coordinate with the*
23 *programs and policies of other relevant Federal agen-*
24 *cies.*

25 *(c) OPPORTUNITIES FOR ONLINE EDUCATION.—*

1 (1) *IN GENERAL.*—*The Director shall award*
2 *competitive grants to institutions of higher education*
3 *or nonprofit organizations (or a consortium thereof,*
4 *which may include a private sector partner) to con-*
5 *duct research on online STEM education courses for*
6 *rural communities.*

7 (2) *RESEARCH AREAS.*—*The research areas eligi-*
8 *ble for funding under this subsection shall include—*

9 (A) *evaluating the learning and achieve-*
10 *ment of rural students in prekindergarten*
11 *through grade 12 in STEM subjects;*

12 (B) *understanding how computer-based and*
13 *online professional development courses and*
14 *mentor experiences can be integrated to meet the*
15 *needs of educators of rural students in prekind-*
16 *ergarten through grade 12;*

17 (C) *combining computer-based and online*
18 *STEM education and training with apprentice-*
19 *ships, mentoring, or other applied learning ar-*
20 *rangements;*

21 (D) *leveraging online programs to supple-*
22 *ment STEM studies for rural students that need*
23 *physical and academic accommodation; and*

1 (E) any other activity the Director deter-
2 mines will accomplish the goals of this sub-
3 section.

4 (3) *EVALUATIONS.*—All proposals for grants
5 under this subsection shall include an evaluation plan
6 that includes the use of outcome-oriented measures to
7 assess the impact and efficacy of the grant. Each re-
8 cipient of a grant under this subsection shall include
9 results from these evaluative activities in annual and
10 final projects.

11 (4) *ACCOUNTABILITY AND DISSEMINATION.*—

12 (A) *EVALUATION REQUIRED.*—The Director
13 shall evaluate the portfolio of grants awarded
14 under this subsection. Such evaluation shall—

15 (i) use a common set of benchmarks
16 and tools to assess the results of research
17 conducted under such grants and identify
18 best practices; and

19 (ii) to the extent practicable, integrate
20 findings from activities carried out pursu-
21 ant to research conducted under this sub-
22 section, with respect to the pursuit of ca-
23 reers and degrees in *STEM*, with those ac-
24 tivities carried out pursuant to other re-

1 *search on serving rural students and com-*
2 *munities.*

3 *(B) REPORT ON EVALUATIONS.—Not later*
4 *than 180 days after the completion of the evalua-*
5 *tion under subparagraph (A), the Director shall*
6 *submit to Congress and make widely available to*
7 *the public a report that includes—*

8 *(i) the results of the evaluation; and*

9 *(ii) any recommendations for adminis-*
10 *trative and legislative action that could op-*
11 *timize the effectiveness of the grants award-*
12 *ed under this subsection.*

13 *(5) COORDINATION.—In carrying out this sub-*
14 *section, the Director shall, for purposes of enhancing*
15 *program effectiveness and avoiding duplication of ac-*
16 *tivities, consult, cooperate, and coordinate with the*
17 *programs and policies of other relevant Federal agen-*
18 *cies.*

19 *(d) NATIONAL ACADEMIES OF SCIENCES, ENGINEER-*
20 *ING, AND MEDICINE EVALUATION.—*

21 *(1) STUDY.—Not later than 12 months after the*
22 *date of enactment of this division, the Director shall*
23 *enter into an agreement with the National Academies*
24 *of Sciences, Engineering, and Medicine under which*

1 *the National Academies agree to conduct an evalua-*
2 *tion and assessment that—*

3 *(A) evaluates the quality and quantity of*
4 *current Federal programming and research di-*
5 *rected at examining STEM education for stu-*
6 *dents in prekindergarten through grade 12 and*
7 *workforce development in rural areas;*

8 *(B) in coordination with the Federal Com-*
9 *munications Commission, assesses the impact*
10 *that the scarcity of broadband connectivity in*
11 *rural communities, and the affordability of*
12 *broadband connectivity, have on STEM and*
13 *technical literacy for students in prekindergarten*
14 *through grade 12 in rural areas;*

15 *(C) assesses the core research and data need-*
16 *ed to understand the challenges rural areas are*
17 *facing in providing quality STEM education*
18 *and workforce development;*

19 *(D) makes recommendations for action at*
20 *the Federal, State, and local levels for improving*
21 *STEM education, including online STEM edu-*
22 *cation, for students in prekindergarten through*
23 *grade 12 and workforce development in rural*
24 *areas; and*

1 (E) makes recommendations to inform the
2 implementation of programs in subsections (a),
3 (b), and (c).

4 (2) *REPORT TO DIRECTOR.*—The agreement en-
5 tered into under paragraph (1) shall require the Na-
6 tional Academies of Sciences, Engineering, and Medi-
7 cine, not later than 24 months after the date of enact-
8 ment of this division, to submit to the Director a re-
9 port on the study conducted under such paragraph,
10 including the National Academies' findings and rec-
11 ommendations.

12 (e) *GAO REVIEW.*—Not later than 3 years after the
13 date of enactment of this division, the Comptroller General
14 of the United States shall conduct a study on the engage-
15 ment of rural populations in Federal STEM programs and
16 submit to Congress a report that includes—

17 (1) an assessment of how Federal STEM edu-
18 cation programs are serving rural populations;

19 (2) a description of initiatives carried out by
20 Federal agencies that are targeted at supporting
21 STEM education in rural areas;

22 (3) an assessment of what is known about the
23 impact and effectiveness of Federal investments in
24 STEM education programs that are targeted to rural
25 areas; and

1 (4) *an assessment of challenges that State and*
 2 *Federal STEM education programs face in reaching*
 3 *rural population centers.*

4 (f) *CAPACITY BUILDING THROUGH EPSCoR.—Section*
 5 *517(f)(2) of the America COMPETES Reauthorization Act*
 6 *of 2010 (42 U.S.C. 1862p–9(f)(2)) is amended—*

7 (1) *in subparagraph (A), by striking “and” at*
 8 *the end; and*

9 (2) *by adding at the end the following:*

10 *“(C) to increase the capacity of rural com-*
 11 *munities to provide quality STEM education*
 12 *and STEM workforce development programming*
 13 *to students and teachers; and”.*

14 (g) *NIST ENGAGEMENT WITH RURAL COMMU-*
 15 *NITIES.—*

16 (1) *MEP OUTREACH.—Section 25 of the Na-*
 17 *tional Institute of Standards and Technology Act (15*
 18 *U.S.C. 278k) is amended—*

19 (A) *in subsection (c)—*

20 (i) *in paragraph (6), by striking “com-*
 21 *munity colleges and area career and tech-*
 22 *nical education schools” and inserting the*
 23 *following: “secondary schools (as defined in*
 24 *section 8101 of the Elementary and Sec-*
 25 *ondary Education Act of 1965 (20 U.S.C.*

1 7801)), *community colleges, and area career*
 2 *and technical education schools, including*
 3 *those in underserved and rural commu-*
 4 *nities,”; and*

5 *(ii) in paragraph (7)—*

6 *(I) by striking “and local col-*
 7 *leges” and inserting the following:*
 8 *“local high schools and local colleges,*
 9 *including those in underserved and*
 10 *rural communities,”; and*

11 *(II) by inserting “or other applied*
 12 *learning opportunities” after “appren-*
 13 *ticeships”; and*

14 *(B) in subsection (d)(3), by striking “, com-*
 15 *munity colleges, and area career and technical*
 16 *education schools,” and inserting the following:*
 17 *“and local high schools, community colleges, and*
 18 *area career and technical education schools, in-*
 19 *cluding those in underserved and rural commu-*
 20 *nities,”.*

21 (2) *RURAL CONNECTIVITY PRIZE COMPETI-*
 22 *TION.—*

23 *(A) PRIZE COMPETITION.—Pursuant to sec-*
 24 *tion 24 of the Stevenson-Wydler Technology In-*
 25 *novation Act of 1980 (15 U.S.C. 3719), the Sec-*

1 *retary of Commerce shall carry out a program to*
2 *award prizes competitively to stimulate research*
3 *and development of creative technologies to sup-*
4 *port the deployment of affordable and reliable*
5 *broadband connectivity in rural communities,*
6 *including unserved rural communities.*

7 *(B) PLAN FOR DEPLOYMENT IN RURAL COM-*
8 *MUNITIES.—Each proposal submitted pursuant*
9 *to subparagraph (A) shall include a proposed*
10 *plan for deployment of the technology that is the*
11 *subject of such proposal.*

12 *(C) PRIZE AMOUNT.—In carrying out the*
13 *program under subparagraph (A), the Secretary*
14 *may award not more than a total of \$5,000,000*
15 *to one or more winners of the prize competition.*

16 *(D) REPORT.—Not later than 60 days after*
17 *the date on which a prize is awarded under the*
18 *prize competition, the Secretary shall submit to*
19 *the relevant committees of Congress a report that*
20 *describes the winning proposal of the prize com-*
21 *petition.*

22 *(E) CONSULTATION.—In carrying out the*
23 *program under this paragraph, the Secretary*
24 *shall consult with the Federal Communications*

1 *Commission and the heads of relevant depart-*
2 *ments and agencies of the Federal Government.*

3 **SEC. 2211. QUANTUM NETWORK INFRASTRUCTURE AND**
4 **WORKFORCE DEVELOPMENT ACT.**

5 *(a) DEFINITIONS.—In this section:*

6 *(1) ESEA DEFINITIONS.—The terms “elementary*
7 *school”, “high school”, “local educational agency”,*
8 *and “secondary school” have the meanings given those*
9 *terms in section 8101 of the Elementary and Sec-*
10 *ondary Education Act of 1965 (20 U.S.C. 7801).*

11 *(2) APPROPRIATE COMMITTEES OF CONGRESS.—*
12 *The term “appropriate committees of Congress” has*
13 *the meaning given such term in section 2 of the Na-*
14 *tional Quantum Initiative Act (15 U.S.C. 8801).*

15 *(3) INTERAGENCY WORKING GROUP.—The term*
16 *“Interagency Working Group” means the QIS Work-*
17 *force Working Group under the Subcommittee on*
18 *Quantum Information Science of the National*
19 *Science and Technology Council.*

20 *(4) Q2WORK PROGRAM.—The term “Q2Work*
21 *Program” means the Q2Work Program supported by*
22 *the Foundation.*

23 *(5) QUANTUM INFORMATION SCIENCE.—The term*
24 *“quantum information science” has the meaning*

1 *given such term in section 2 of the National Quantum*
2 *Initiative Act (15 U.S.C. 8801).*

3 (6) *STEM.*—*The term “STEM” has the meaning*
4 *given the term in section 2 of the America COM-*
5 *PETES Reauthorization Act of 2010 (42 U.S.C. 6621*
6 *note).*

7 (b) *QUANTUM NETWORKING WORKING GROUP REPORT*
8 *ON QUANTUM NETWORKING AND COMMUNICATIONS.*—

9 (1) *REPORT.*—*Not later than 3 years after the*
10 *date of the enactment of this division, the Quantum*
11 *Networking Working Group within the Subcommittee*
12 *on Quantum Information Science of the National*
13 *Science and Technology Council shall submit to the*
14 *appropriate committees of Congress a report detailing*
15 *a plan for the advancement of quantum networking*
16 *and communications technology in the United States,*
17 *building on A Strategic Vision for America’s Quan-*
18 *tum Networks and A Coordinated Approach for*
19 *Quantum Networking Research.*

20 (2) *REQUIREMENTS.*—*The report under para-*
21 *graph (1) shall include—*

22 (A) *a framework for interagency collabora-*
23 *tion on the advancement of quantum networking*
24 *and communications research;*

1 (B) a plan for interagency collaboration on
2 the development and drafting of international
3 standards for quantum communications tech-
4 nology, including standards relating to—

5 (i) quantum cryptography and post-
6 quantum classical cryptography;

7 (ii) network security;

8 (iii) quantum network infrastructure;

9 (iv) transmission of quantum informa-
10 tion through optical fiber networks; and

11 (v) any other technologies considered
12 appropriate by the Working Group;

13 (C) a proposal for the protection of national
14 security interests relating to the advancement of
15 quantum networking and communications tech-
16 nology;

17 (D) recommendations to Congress for legis-
18 lative action relating to the framework, plan,
19 and proposal set forth pursuant to subpara-
20 graphs (A), (B), and (C), respectively; and

21 (E) such other matters as the Working
22 Group considers necessary to advance the secu-
23 rity of communications and network infrastruc-
24 ture, remain at the forefront of scientific dis-
25 covery in the quantum information science do-

1 *main, and transition quantum information*
2 *science research into the emerging quantum tech-*
3 *nology economy.*

4 *(c) QUANTUM NETWORKING AND COMMUNICATIONS*
5 *RESEARCH.—*

6 *(1) RESEARCH.—The Under Secretary of Com-*
7 *merce for Standards and Technology shall carry out*
8 *research to facilitate the development and standard-*
9 *ization of quantum networking and communications*
10 *technologies and applications, including research on*
11 *the following:*

12 *(A) Quantum cryptography and post-quantum*
13 *classical cryptography.*

14 *(B) Quantum repeater technology.*

15 *(C) Quantum network traffic management.*

16 *(D) Quantum transduction.*

17 *(E) Long baseline entanglement and*
18 *teleportation.*

19 *(F) Such other technologies, processes, or*
20 *applications as the Under Secretary considers*
21 *appropriate.*

22 *(2) IMPLEMENTATION.—The Under Secretary*
23 *shall carry out the research required by paragraph*
24 *(1) through such divisions, laboratories, offices and*
25 *programs of the National Institute of Standards and*

1 *Technology as the Under Secretary considers appro-*
2 *priate and actively engaged in activities relating to*
3 *quantum information science.*

4 (3) *DEVELOPMENT OF STANDARDS.—For quan-*
5 *tum technologies deemed by the Under Secretary to be*
6 *at a readiness level sufficient for standardization, the*
7 *Under Secretary shall provide technical review and*
8 *assistance to such other Federal agencies as the Under*
9 *Secretary considers appropriate for the development*
10 *of quantum network infrastructure standards.*

11 (4) *AUTHORIZATION OF APPROPRIATIONS.—*

12 (A) *IN GENERAL.—There is authorized to be*
13 *appropriated to the Scientific and Technical Re-*
14 *search and Services account of the National In-*
15 *stitute of Standards and Technology to carry out*
16 *this subsection \$10,000,000 for each of fiscal*
17 *years 2022 through 2026.*

18 (B) *SUPPLEMENT, NOT SUPPLANT.—The*
19 *amounts authorized to be appropriated under*
20 *subparagraph (A) shall supplement and not sup-*
21 *plant amounts already appropriated to the ac-*
22 *count described in such subparagraph.*

23 (d) *QUANTUM WORKFORCE EVALUATION AND ACCEL-*
24 *ERATION.—*

1 (1) *IDENTIFICATION OF GAPS.*—*The Foundation*
2 *shall enter into an agreement with the National Acad-*
3 *emies of Sciences, Engineering, and Medicine to con-*
4 *duct a study of ways to support the next generation*
5 *of quantum leaders.*

6 (2) *SCOPE OF STUDY.*—*In carrying out the*
7 *study described in paragraph (1), the National Acad-*
8 *emies of Sciences, Engineering, and Medicine shall*
9 *identify—*

10 (A) *education gaps, including foundational*
11 *courses in STEM and areas in need of standard-*
12 *ization, in elementary school, middle school, high*
13 *school, and higher education curricula, that need*
14 *to be rectified in order to prepare students to*
15 *participate in the quantum workforce;*

16 (B) *the skills and workforce needs of indus-*
17 *try, specifically identifying the cross-disciplinary*
18 *academic degrees or academic courses nec-*
19 *essary—*

20 (i) *to qualify students for multiple ca-*
21 *reer pathways in quantum information*
22 *sciences and related fields;*

23 (ii) *to ensure the United States is com-*
24 *petitive in the field of quantum information*

1 *science while preserving national security;*

2 *and*

3 (iii) *to support the development of*

4 *quantum applications; and*

5 (C) *the resources and materials needed to*

6 *train elementary, middle, and high school edu-*

7 *cators to effectively teach curricula relevant to*

8 *the development of a quantum workforce.*

9 (3) *REPORTS.—*

10 (A) *EXECUTIVE SUMMARY.—Not later than*

11 *2 years after the date of enactment of this divi-*

12 *sion, the National Academies of Science, Engi-*

13 *neering, and Medicine shall prepare and submit*

14 *to the Foundation, and programs or projects*

15 *funded by the Foundation, an executive sum-*

16 *mary of progress regarding the study conducted*

17 *under paragraph (1) that outlines the findings of*

18 *the Academies as of such date.*

19 (B) *REPORT.—Not later than 3 years after*

20 *the date of enactment of this division, the Na-*

21 *tional Academies of Science, Engineering, and*

22 *Medicine shall prepare and submit a report con-*

23 *taining the results of the study conducted under*

24 *paragraph (1) to Congress, the Foundation, and*

25 *programs or projects funded by the Foundation*

1 *that are relevant to the acceleration of a quan-*
2 *tum workforce.*

3 (e) *INCORPORATING QISE INTO STEM CUR-*
4 *RICULUM.—*

5 (1) *IN GENERAL.—The Foundation shall,*
6 *through programs carried out or supported by the*
7 *Foundation, prioritize the better integration of quan-*
8 *tum information science and engineering (referred to*
9 *in this subsection as QISE) into the STEM cur-*
10 *riculum for each grade level from kindergarten*
11 *through grade 12, and community colleges.*

12 (2) *REQUIREMENTS.—The curriculum integra-*
13 *tion under paragraph (1) shall include—*

14 (A) *methods to conceptualize QISE for ele-*
15 *mentary, middle, and high school curricula;*

16 (B) *methods for strengthening foundational*
17 *mathematics and science curricula;*

18 (C) *age-appropriate materials that apply*
19 *the principles of quantum information science in*
20 *STEM fields;*

21 (D) *recommendations for the standardiza-*
22 *tion of key concepts, definitions, and curriculum*
23 *criteria across government, academia, and in-*
24 *dustry; and*

1 (E) materials that specifically address the
2 findings and outcomes of the study conducted
3 under subsection (d) and strategies to account for
4 the skills and workforce needs identified through
5 the study.

6 (3) COORDINATION.—In carrying out this sub-
7 section, the Foundation, including the STEM Edu-
8 cation Advisory Panel and the Advancing Informal
9 STEM Learning program and through the Founda-
10 tion’s role in the National Q–12 Education Partner-
11 ship and the programs such as the Q2Work Program,
12 shall coordinate with the Office of Science and Tech-
13 nology Policy, EPSCoR eligible universities, and any
14 Federal agencies or working groups determined nec-
15 essary by the Foundation.

16 (4) REVIEW.—In implementing this subsection,
17 the Foundation shall support the community expan-
18 sion of the related report entitled *Key Concepts for*
19 *Future QIS Learners (May 2020)*.

20 (f) QUANTUM EDUCATION PILOT PROGRAM.—

21 (1) IN GENERAL.—The Foundation, through the
22 Foundation’s role in the National Q–12 Education
23 Partnership and programs such as Q2Work Program,
24 and in coordination with the Directorate for Edu-
25 cation and Human Resources, shall carry out a pilot

1 *program, to be known as the Next Generation Quantum Leaders Pilot Program, to provide funding for*
2 *the education and training of the next generation of*
3 *students in the fundamental principles of quantum*
4 *mechanics.*

6 (2) *REQUIREMENTS.*—

7 (A) *IN GENERAL.*—*In carrying out the pilot*
8 *program required by paragraph (1), the Founda-*
9 *tion shall—*

10 (i) *publish a call for applications*
11 *through the National Q–12 Education Part-*
12 *nership website (or similar website) for par-*
13 *ticipation in the pilot program from ele-*
14 *mentary schools, secondary schools, and*
15 *State educational agencies as determined*
16 *appropriate by the Foundation;*

17 (ii) *coordinate with educational service*
18 *agencies, associations that support STEM*
19 *educators or local educational agencies, and*
20 *partnerships through the Q–12 Education*
21 *Partnership, to encourage elementary*
22 *schools, secondary schools, and State edu-*
23 *cational agencies to participate in the pro-*
24 *gram as determined appropriate by the*
25 *Foundation;*

1 (iii) accept applications in advance of
2 the academic year in which the program
3 shall begin; and

4 (iv) select elementary schools, sec-
5 ondary schools, and State educational agen-
6 cies to participate in the program, as deter-
7 mined appropriate by the Foundation, in
8 accordance with qualifications determined
9 by the QIS Workforce Working Group, in
10 coordination with the National Q-12 Edu-
11 cation Partnership.

12 (B) *PRIORITIZATION.*—In selecting program
13 participants under subparagraph (A)(iv), the
14 Director of the Foundation shall give priority to
15 elementary schools, secondary schools, and local
16 educational agencies located in jurisdictions eli-
17 gible to participate in the Established Program
18 to Stimulate Competitive Research (commonly
19 known as EPSCoR), including Tribal and rural
20 elementary, middle, and high schools in such ju-
21 risdictions.

22 (3) *CONSULTATION.*—The Foundation shall
23 carry out this subsection in consultation with the QIS
24 Workforce Working Group and the Advancing Infor-
25 mal STEM Learning Program.

1 (4) *REPORTING.*—

2 (A) *REPORT AND SELECTED PARTICI-*
3 *PANTS.*—Not later than 90 days following the
4 closing of the application period under para-
5 graph (2)(A)(iii), the Director of the Foundation
6 shall submit to Congress a report on the edu-
7 cational institutions selected to participate in
8 the pilot program required under paragraph (1),
9 specifying the percentage from nontraditional ge-
10 ographies, including Tribal or rural school dis-
11 tricts.

12 (B) *REPORT ON IMPLEMENTATION OF CUR-*
13 *RICULUM.*—Not later than 2 years after the date
14 of enactment of this division, the Director of the
15 Foundation shall submit to Congress a report on
16 implementation of the curricula and materials
17 under the pilot program, including the feasi-
18 bility and advisability of expanding such pilot
19 program to include additional educational insti-
20 tutions beyond those originally selected to par-
21 ticipate in the pilot program.

22 (5) *AUTHORIZATION OF APPROPRIATIONS.*—
23 *There is authorized to be appropriated such funds as*
24 *may be necessary to carry out this subsection.*

1 (6) *TERMINATION.*—*This subsection shall cease*
2 *to have effect on the date that is 3 years after the date*
3 *of the enactment of this division.*

4 (g) *ENERGY SCIENCES NETWORK.*—

5 (1) *IN GENERAL.*—*The Secretary of Energy (re-*
6 *ferred to in this subsection as the Secretary), in co-*
7 *ordination with the National Science Foundation and*
8 *the National Aeronautics and Space Administration,*
9 *shall supplement the Energy Sciences Network User*
10 *Facility (referred to in this subsection as the Net-*
11 *work) with dedicated quantum network infrastructure*
12 *to advance development of quantum networking and*
13 *communications technology.*

14 (2) *PURPOSE.*—*The purpose of paragraph (1) is*
15 *to utilize the Network to advance a broad range of*
16 *testing and research, including relating to—*

17 (A) *the establishment of stable, long-baseline*
18 *quantum entanglement and teleportation;*

19 (B) *quantum repeater technologies for long-*
20 *baseline communication purposes;*

21 (C) *quantum transduction;*

22 (D) *the coexistence of quantum and classical*
23 *information;*

1 (E) multiplexing, forward error correction,
2 wavelength routing algorithms, and other quan-
3 tum networking infrastructure; and

4 (F) any other technologies or applications
5 determined necessary by the Secretary.

6 (3) *AUTHORIZATION OF APPROPRIATIONS.*—

7 *There are authorized to be appropriated to the Sec-*
8 *retary to carry out this subsection, \$10,000,000 for*
9 *each of fiscal years 2022 through 2026.*

10 **SEC. 2212. SUPPORTING EARLY-CAREER RESEARCHERS**

11 **ACT.**

12 (a) *SHORT TITLE.*—*This section may be cited as the*
13 *“Supporting Early-Career Researchers Act”.*

14 (b) *IN GENERAL.*—*The Director may establish a 2-*
15 *year pilot program to award grants to highly qualified*
16 *early-career investigators to carry out an independent re-*
17 *search program at the institution of higher education or*
18 *participating Federal research facility chosen by such in-*
19 *vestigator, to last for a period not greater than 2 years.*

20 (c) *PRIORITY FOR BROADENING PARTICIPATION.*—*In*
21 *awarding grants under this section, the Director shall give*
22 *priority to—*

23 (1) *early-career investigators who are from*
24 *groups that are underrepresented in science, tech-*
25 *nology, engineering, and mathematics research;*

1 (2) *early-career investigators who choose to carry*
2 *out independent research at a minority-serving insti-*
3 *tution (or an institution of higher education with an*
4 *established STEM capacity building program focused*
5 *on traditionally underrepresented populations in*
6 *STEM, including Native Hawaiians, Alaska Natives,*
7 *and Indians); and*

8 (3) *early-career investigators in a jurisdiction el-*
9 *igible to participate under section 113 of the National*
10 *Science Foundation Authorization Act of 1988 (42*
11 *U.S.C. 1862g).*

12 (d) *REPORTS FROM GRANTEEES.—Not later than 180*
13 *days after the end of the pilot program under this section,*
14 *each early-career investigator who receives a grant under*
15 *the pilot program shall submit a report to the Director that*
16 *describes how the early-career investigator used the grant*
17 *funds.*

18 (e) *REPORT TO CONGRESS.—Not later than 180 days*
19 *after the deadline for the submission of the reports described*
20 *in subsection (d), the Director shall submit a report to the*
21 *Committee on Commerce, Science, and Transportation of*
22 *the Senate and the Committee on Science, Space, and Tech-*
23 *nology of the House of Representatives that contains a sum-*
24 *mary of the uses of grant funds under this section and the*
25 *impact of the pilot program under this section.*

1 **SEC. 2213. ADVANCING PRECISION AGRICULTURE CAPA-**
2 **BILITIES ACT.**

3 (a) *SHORT TITLE.*—*This section may be cited as the*
4 *“Advancing IoT for Precision Agriculture Act of 2021”.*

5 (b) *PURPOSE.*—*It is the purpose of this section to pro-*
6 *mote scientific research and development opportunities for*
7 *connected technologies that advance precision agriculture*
8 *capabilities.*

9 (c) *FOUNDATION DIRECTIVE ON AGRICULTURAL SEN-*
10 *SOR RESEARCH.*—*In awarding grants under the sensor sys-*
11 *tems and networked systems programs of the Foundation,*
12 *the Director shall include in consideration of portfolio bal-*
13 *ance research and development on sensor connectivity in en-*
14 *vironments of intermittent connectivity and intermittent*
15 *computation—*

16 (1) *to improve the reliable use of advance sensing*
17 *systems in rural and agricultural areas; and*

18 (2) *that considers—*

19 (A) *direct gateway access for locally stored*
20 *data;*

21 (B) *attenuation of signal transmission;*

22 (C) *loss of signal transmission; and*

23 (D) *at-scale performance for wireless power.*

24 (d) *UPDATING CONSIDERATIONS FOR PRECISION AG-*
25 *RICULTURE TECHNOLOGY WITHIN THE NSF ADVANCED*
26 *TECHNICAL EDUCATION PROGRAM.*—*Section 3 of the Sci-*

1 *entific and Advanced-Technology Act of 1992 (42 U.S.C.*
2 *1862i), as amended by section 2205, is further amended—*

3 *(1) in subsection (d)(2), by adding at the end the*
4 *following:*

5 *“(G) applications that incorporate distance*
6 *learning tools and approaches.”; and*

7 *(2) in subsection (e)(3)—*

8 *(A) in subparagraph (C), by striking “and”*
9 *after the semicolon;*

10 *(B) in subparagraph (D), by striking the*
11 *period at the end and inserting “; and”; and*

12 *(C) by adding at the end the following:*

13 *“(E) applications that incorporate distance*
14 *learning tools and approaches.”.*

15 *(e) GAO REVIEW.—Not later than 18 months after the*
16 *date of enactment of this section, the Comptroller General*
17 *of the United States shall provide—*

18 *(1) a technology assessment of precision agri-*
19 *culture technologies, such as the existing use of—*

20 *(A) sensors, scanners, radio-frequency iden-*
21 *tification, and related technologies that can mon-*
22 *itor soil properties, irrigation conditions, and*
23 *plant physiology;*

1 (B) sensors, scanners, radio-frequency iden-
2 tification, and related technologies that can mon-
3 itor livestock activity and health;

4 (C) network connectivity and wireless com-
5 munications that can securely support digital
6 agriculture technologies in rural and remote
7 areas;

8 (D) aerial imagery generated by satellites
9 or unmanned aerial vehicles;

10 (E) ground-based robotics;

11 (F) control systems design and connectivity,
12 such as smart irrigation control systems; and

13 (G) data management software and ad-
14 vanced analytics that can assist decision making
15 and improve agricultural outcomes; and

16 (2) a review of Federal programs that provide
17 support for precision agriculture research, develop-
18 ment, adoption, education, or training, in existence
19 on the date of enactment of this section.

20 **SEC. 2214. CRITICAL MINERALS MINING RESEARCH.**

21 (a) **CRITICAL MINERALS MINING RESEARCH AND DE-**
22 **VELOPMENT AT THE FOUNDATION.—**

23 (1) **IN GENERAL.**—In order to support supply
24 chain resiliency, the Director shall issue awards, on
25 a competitive basis, to institutions of higher edu-

1 *ation or nonprofit organizations (or consortia of*
2 *such institutions or organizations) to support basic*
3 *research that will accelerate innovation to advance*
4 *critical minerals mining strategies and technologies*
5 *for the purpose of making better use of domestic re-*
6 *sources and eliminating national reliance on min-*
7 *erals and mineral materials that are subject to supply*
8 *disruptions.*

9 (2) *USE OF FUNDS.—Activities funded by an*
10 *award under this section may include—*

11 (A) *advancing mining research and devel-*
12 *opment activities to develop new mapping and*
13 *mining technologies and techniques, including*
14 *advanced critical mineral extraction and pro-*
15 *duction, to improve existing or to develop new*
16 *supply chains of critical minerals, and to yield*
17 *more efficient, economical, and environmentally*
18 *benign mining practices;*

19 (B) *advancing critical mineral processing*
20 *research activities to improve separation,*
21 *alloying, manufacturing, or recycling techniques*
22 *and technologies that can decrease the energy in-*
23 *tensity, waste, potential environmental impact,*
24 *and costs of those activities;*

1 (C) *conducting long-term earth observation*
2 *of reclaimed mine sites, including the study of*
3 *the evolution of microbial diversity at such sites;*

4 (D) *examining the application of artificial*
5 *intelligence for geological exploration of critical*
6 *minerals, including what size and diversity of*
7 *data sets would be required;*

8 (E) *examining the application of machine*
9 *learning for detection and sorting of critical*
10 *minerals, including what size and diversity of*
11 *data sets would be required;*

12 (F) *conducting detailed isotope studies of*
13 *critical minerals and the development of more*
14 *refined geologic models; or*

15 (G) *providing training and research oppor-*
16 *tunities to undergraduate and graduate students*
17 *to prepare the next generation of mining engi-*
18 *neers and researchers.*

19 (b) *CRITICAL MINERALS INTERAGENCY SUB-*
20 *COMMITTEE.—*

21 (1) *IN GENERAL.—In order to support supply*
22 *chain resiliency, the Critical Minerals Subcommittee*
23 *of the National Science and Technology Council (re-*
24 *ferred to in this subsection as the Subcommittee) shall*
25 *coordinate Federal science and technology efforts to*

1 *ensure secure and reliable supplies of critical min-*
2 *erals to the United States.*

3 (2) *PURPOSES.*—*The purposes of the Sub-*
4 *committee shall be—*

5 (A) *to advise and assist the Committee on*
6 *Homeland and National Security and the Na-*
7 *tional Science and Technology Council on*
8 *United States policies, procedures, and plans as*
9 *it relates to critical minerals, including—*

10 (i) *Federal research, development, and*
11 *deployment efforts to optimize methods for*
12 *extractions, concentration, separation, and*
13 *purification of conventional, secondary, and*
14 *unconventional sources of critical minerals;*

15 (ii) *efficient use and reuse of critical*
16 *minerals;*

17 (iii) *the critical minerals workforce of*
18 *the United States; and*

19 (iv) *United States private industry in-*
20 *vestments in innovation and technology*
21 *transfer from federally funded science and*
22 *technology;*

23 (B) *to identify emerging opportunities,*
24 *stimulate international cooperation, and foster*

1 *the development of secure and reliable supply*
2 *chains of critical minerals;*

3 *(C) to ensure the transparency of informa-*
4 *tion and data related to critical minerals; and*

5 *(D) to provide recommendations on coordi-*
6 *nation and collaboration among the research, de-*
7 *velopment, and deployment programs and activi-*
8 *ties of Federal agencies to promote a secure and*
9 *reliable supply of critical minerals necessary to*
10 *maintain national security, economic well-being,*
11 *and industrial production.*

12 (3) *RESPONSIBILITIES.*—*In carrying out para-*
13 *graphs (1) and (2), the Subcommittee may, taking*
14 *into account the findings and recommendations of rel-*
15 *evant advisory committees—*

16 *(A) provide recommendations on how Fed-*
17 *eral agencies may improve the topographic, geo-*
18 *logic, and geophysical mapping of the United*
19 *States and improve the discoverability, accessi-*
20 *bility, and usability of the resulting and existing*
21 *data, to the extent permitted by law and subject*
22 *to appropriate limitation for purposes of privacy*
23 *and security;*

24 *(B) assess the progress toward developing*
25 *critical minerals recycling and reprocessing tech-*

1 *nologies, and technological alternatives to critical*
2 *minerals;*

3 *(C) examine options for accessing and de-*
4 *veloping critical minerals through investment*
5 *and trade with allies and partners of the United*
6 *States and provide recommendations;*

7 *(D) evaluate and provide recommendations*
8 *to incentivize the development and use of ad-*
9 *vances in science and technology in the private*
10 *industry;*

11 *(E) assess the need for and make rec-*
12 *ommendations to address the challenges the*
13 *United States critical minerals supply chain*
14 *workforce faces, including—*

15 *(i) aging and retiring personnel and*
16 *faculty;*

17 *(ii) public perceptions about the nature*
18 *of mining and mineral processing; and*

19 *(iii) foreign competition for United*
20 *States talent;*

21 *(F) develop, and update as necessary, a*
22 *strategic plan to guide Federal programs and ac-*
23 *tivities to enhance—*

24 *(i) scientific and technical capabilities*
25 *across critical mineral supply chains, in-*

1 cluding a roadmap that identifies key re-
2 search and development needs and coordi-
3 nates ongoing activities for source diver-
4 sification, more efficient use, recycling, and
5 substitution for critical minerals; and

6 (ii) cross-cutting mining science, data
7 science techniques, materials science, manu-
8 facturing science and engineering, computa-
9 tional modeling, and environmental health
10 and safety research and development; and

11 (G) report to the appropriate committees of
12 Congress on activities and findings under this
13 subsection.

14 (4) *MANDATORY RESPONSIBILITIES.*—*In car-*
15 *rying out paragraphs (1) and (2), the Subcommittee*
16 *shall, taking into account the findings and rec-*
17 *ommendations of the relevant advisory committees,*
18 *identify and evaluate Federal policies and regulations*
19 *that restrict the mining of critical minerals.*

20 (c) *GRANT PROGRAM FOR DEVELOPMENT OF CRITICAL*
21 *MINERALS AND METALS.*—

22 (1) *ESTABLISHMENT.*—*The Secretary of Com-*
23 *merce, in consultation with the Director and the Sec-*
24 *retary of the Interior, shall establish a grant program*

1 to finance pilot projects for the development of critical
2 minerals and metals in the United States.

3 (2) *LIMITATION ON GRANT AWARDS.*—A grant
4 awarded under paragraph (1) may not exceed
5 \$10,000,000.

6 (3) *ECONOMIC VIABILITY.*—In awarding grants
7 under paragraph (1), the Secretary of Commerce shall
8 give priority to projects that the Secretary of Com-
9 merce determines are likely to be economically viable
10 over the long term.

11 (4) *SECONDARY RECOVERY.*—In awarding grants
12 under paragraph (1), the Secretary of Commerce shall
13 seek to award not less than 30 percent of the total
14 amount of grants awarded during the fiscal year for
15 projects relating to secondary recovery of critical min-
16 erals and metals.

17 (5) *AUTHORIZATION OF APPROPRIATIONS.*—
18 There is authorized to be appropriated to the Sec-
19 retary of Commerce \$100,000,000 for each of fiscal
20 years 2021 through 2024 to carry out the grant pro-
21 gram established under paragraph (1).

22 (d) *DEFINITIONS.*—In this section:

23 (1) *CRITICAL MINERAL; CRITICAL MINERAL OR*
24 *METAL.*—The terms “critical mineral” and “critical
25 mineral or metal” include any host mineral of a crit-

1 *ical mineral (within the meaning of those terms in*
2 *section 7002 of title VII of division Z of the Consoli-*
3 *dated Appropriations Act, 2021 (Public Law 116-*
4 *260)).*

5 (2) *SECONDARY RECOVERY.*—*The term “sec-*
6 *ondary recovery” means the recovery of critical min-*
7 *erals and metals from discarded end-use products or*
8 *from waste products produced during the metal refin-*
9 *ing and manufacturing process, including from mine*
10 *waste piles, acid mine drainage sludge, or byproducts*
11 *produced through legacy mining and metallurgy ac-*
12 *tivities.*

13 **SEC. 2215. CAREGIVER POLICIES.**

14 (a) *OSTP GUIDANCE.*—*Not later than 6 months after*
15 *the date of enactment of this division, the Director of the*
16 *Office of Science and Technology Policy, in consultation*
17 *with relevant agencies, shall provide guidance to each Fed-*
18 *eral science agency to establish policies that—*

19 (1) *apply to all—*

20 (A) *research awards granted by such agen-*
21 *cy; and*

22 (B) *principal investigators of such research*
23 *who have caregiving responsibilities, including*
24 *care for a newborn or newly adopted child and*

1 *care for an immediate family member with a se-*
2 *rious health condition; and*

3 (2) *offer, to the extent feasible—*

4 (A) *flexibility in timing for the initiation of*
5 *approved research awards granted by such agen-*
6 *cy;*

7 (B) *no-cost extensions of such research*
8 *awards; and*

9 (C) *grant supplements, as appropriate, to*
10 *research awards to sustain research activities*
11 *conducted under such awards.*

12 (b) *UNIFORMITY OF GUIDANCE.—In providing guid-*
13 *ance under subsection (a), the Director of the Office of*
14 *Science and Technology Policy shall encourage, to the extent*
15 *practicable, uniformity and consistency in the policies es-*
16 *tablished pursuant to such guidance across all Federal*
17 *science agencies.*

18 (c) *ESTABLISHMENT OF POLICIES.—To the extent*
19 *practicable and consistent with guidance issued under sub-*
20 *section (a), Federal science agencies shall—*

21 (1) *maintain or develop and implement policies*
22 *for individuals described in paragraph (1)(B) of such*
23 *subsection; and*

24 (2) *broadly disseminate such policies to current*
25 *and potential awardees.*

1 (d) *DATA ON USAGE.*—*Federal science agencies shall*
2 *consider—*

3 (1) *collecting data on the usage of the policies*
4 *under subsection (c), at both institutions of higher*
5 *education and Federal laboratories; and*

6 (2) *reporting such data on an annual basis to*
7 *the Director of the Office of Science and Technology*
8 *Policy in such form as required by the Director of the*
9 *Office of Science and Technology Policy.*

10 (e) *SAVINGS.*—

11 (1) *PRIVACY.*—*This section shall be carried out*
12 *in accordance with all relevant privacy laws.*

13 (2) *INSTITUTIONS.*—*This section shall not affect*
14 *the grantee institution’s institutional policies.*

15 (f) *DEFINITION OF FEDERAL SCIENCE AGENCY.*—*In*
16 *this section, the term “Federal science agency” means any*
17 *Federal agency with an annual extramural research ex-*
18 *penditure of over \$100,000,000.*

19 **SEC. 2216. PRESIDENTIAL AWARDS.**

20 (a) *IN GENERAL.*—*The President is authorized to*
21 *make Presidential Awards for Excellence in Technology and*
22 *Science Research to researchers in underrepresented popu-*
23 *lations, including women and underrepresented minorities,*
24 *who have demonstrated outstanding achievements in tech-*
25 *nology or science research.*

1 (b) *NUMBER AND DISTRIBUTION OF AWARD RECIPI-*
2 *ENTS.—If the President elects to make Presidential Awards*
3 *for Excellence in Technology and Science Research under*
4 *subsection (a), the President shall make no fewer than 104*
5 *Awards. In selecting researchers for the Awards, the Presi-*
6 *dent shall select at least 2 researchers—*

- 7 (1) *from each of the States;*
8 (2) *from the District of Columbia; and*
9 (3) *from the Commonwealth of Puerto Rico.*

10 (c) *SELECTION PROCEDURES.—The President shall*
11 *carry out this section, including the establishment of the*
12 *selection procedures, after consultation with the Director of*
13 *the Office of Science and Technology Policy and other ap-*
14 *propriate officials of Federal agencies.*

15 **SEC. 2217. BIOECONOMY RESEARCH AND DEVELOPMENT**
16 **ACT OF 2021.**

17 (a) *SHORT TITLE.—This section may be cited as the*
18 *“Bioeconomy Research and Development Act of 2021”.*

19 (b) *FINDINGS.—The Congress makes the following*
20 *findings:*

- 21 (1) *Cellular and molecular processes may be*
22 *used, mimicked, or redesigned to develop new prod-*
23 *ucts, processes, and systems that improve societal*
24 *well-being, strengthen national security, and con-*
25 *tribute to the economy.*

1 (2) *Engineering biology relies on a workforce*
2 *with a diverse and unique set of skills combining the*
3 *biological, physical, chemical, and information*
4 *sciences and engineering.*

5 (3) *Long-term research and development is nec-*
6 *essary to create breakthroughs in engineering biology.*
7 *Such research and development requires government*
8 *investment, as many of the benefits are too distant or*
9 *uncertain for industry to support alone.*

10 (4) *Research is necessary to inform evidence-*
11 *based governance of engineering biology and to sup-*
12 *port the growth of the engineering biology industry.*

13 (5) *The Federal Government has an obligation to*
14 *ensure that ethical, legal, environmental, safety, secu-*
15 *rity, and societal implications of its science and tech-*
16 *nology research and investment follows policies of re-*
17 *sponsible innovation and fosters public transparency.*

18 (6) *The Federal Government can play an impor-*
19 *tant role by facilitating the development of tools and*
20 *technologies to further advance engineering biology,*
21 *including user facilities, by facilitating public-private*
22 *partnerships, by supporting risk research, and by fa-*
23 *cilitating the commercial application in the United*
24 *States of research funded by the Federal Government.*

1 (7) *The United States led the development of the*
2 *science and engineering techniques that created the*
3 *field of engineering biology, but due to increasing*
4 *international competition, the United States is at risk*
5 *of losing its competitive advantage if it does not stra-*
6 *tegetically invest the necessary resources.*

7 (8) *A National Engineering Biology Initiative*
8 *can serve to establish new research directions and*
9 *technology goals, improve interagency coordination*
10 *and planning processes, drive technology transfer to*
11 *the private sector, and help ensure optimal returns on*
12 *the Federal investment.*

13 (c) *DEFINITIONS.—In this section:*

14 (1) *BIOMANUFACTURING.—The term “biomanu-*
15 *facturing” means the utilization of biological systems*
16 *to develop new and advance existing products, tools,*
17 *and processes at commercial scale.*

18 (2) *ENGINEERING BIOLOGY.—The term “engi-*
19 *neering biology” means the application of engineering*
20 *design principles and practices to biological systems,*
21 *including molecular and cellular systems, to advance*
22 *fundamental understanding of complex natural sys-*
23 *tems and to enable novel or optimize functions and*
24 *capabilities.*

1 (3) *INITIATIVE.*—*The term “Initiative” means*
2 *the National Engineering Biology Research and De-*
3 *velopment Initiative established under subsection (d).*

4 (4) *OMICS.*—*The term “omics” refers to the col-*
5 *lective technologies used to explore the roles, relation-*
6 *ships, and actions of the various types of molecules*
7 *that make up the cells of an organism.*

8 (d) *NATIONAL ENGINEERING BIOLOGY RESEARCH AND*
9 *DEVELOPMENT INITIATIVE.*—

10 (1) *IN GENERAL.*—*The President, acting through*
11 *the Office of Science and Technology Policy, shall im-*
12 *plement a National Engineering Biology Research*
13 *and Development Initiative to advance societal well-*
14 *being, national security, sustainability, and economic*
15 *productivity and competitiveness through—*

16 (A) *advancing areas of research at the*
17 *intersection of the biological, physical, chemical,*
18 *data, and computational sciences and engineer-*
19 *ing to accelerate scientific understanding and*
20 *technological innovation in engineering biology;*

21 (B) *advancing areas of biomanufacturing*
22 *research to optimize, standardize, scale, and de-*
23 *liver new products and solutions;*

24 (C) *supporting social and behavioral*
25 *sciences and economics research that advances*

1 *the field of engineering biology and contributes*
2 *to the development and public understanding of*
3 *new products, processes, and technologies;*

4 *(D) improving the understanding of engi-*
5 *neering biology of the scientific and lay public*
6 *and supporting greater evidence-based public*
7 *discourse about its benefits and risks;*

8 *(E) supporting research relating to the risks*
9 *and benefits of engineering biology, including*
10 *under paragraph (4);*

11 *(F) supporting the development of novel*
12 *tools and technologies to accelerate scientific un-*
13 *derstanding and technological innovation in en-*
14 *gineering biology;*

15 *(G) expanding the number of researchers,*
16 *educators, and students and a retooled workforce*
17 *with engineering biology training, including*
18 *from traditionally underrepresented and under-*
19 *served populations;*

20 *(H) accelerating the translation and com-*
21 *mercialization of engineering biology research*
22 *and development by the private sector; and*

23 *(I) improving the interagency planning and*
24 *coordination of Federal Government activities*
25 *related to engineering biology.*

1 (2) *INITIATIVE ACTIVITIES.*—*The activities of the*
2 *Initiative shall include—*

3 (A) *sustained support for engineering biol-*
4 *ogy research and development through—*

5 (i) *grants to fund the work of indi-*
6 *vidual investigators and teams of investiga-*
7 *tors, including interdisciplinary teams;*

8 (ii) *projects funded under joint solici-*
9 *tations by a collaboration of no fewer than*
10 *two agencies participating in the Initiative;*
11 *and*

12 (iii) *interdisciplinary research centers*
13 *that are organized to investigate basic re-*
14 *search questions, carry out technology devel-*
15 *opment and demonstration activities, and*
16 *increase understanding of how to scale up*
17 *engineering biology processes, including bio-*
18 *manufacturing;*

19 (B) *sustained support for databases and re-*
20 *lated tools, including—*

21 (i) *support for curated genomics,*
22 *epigenomics, and other relevant omics data-*
23 *bases, including plant and microbial data-*
24 *bases, that are available to researchers to*
25 *carry out engineering biology research in a*

1 *manner that does not compromise national*
2 *security or the privacy or security of infor-*
3 *mation within such databases;*

4 *(ii) development of standards for such*
5 *databases, including for curation, interoper-*
6 *ability, and protection of privacy and secu-*
7 *rity;*

8 *(iii) support for the development of*
9 *computational tools, including artificial in-*
10 *telligence tools, that can accelerate research*
11 *and innovation using such databases; and*

12 *(iv) an inventory and assessment of all*
13 *Federal government omics databases to*
14 *identify opportunities to improve the utility*
15 *of such databases, as appropriate and in a*
16 *manner that does not compromise national*
17 *security or the privacy and security of in-*
18 *formation within such databases, and in-*
19 *form investment in such databases as crit-*
20 *ical infrastructure for the engineering biol-*
21 *ogy research enterprise;*

22 *(C) sustained support for the development,*
23 *optimization, and validation of novel tools and*
24 *technologies to enable the dynamic study of mo-*
25 *lecular processes in situ, including through—*

1 (i) research conducted at Federal lab-
2 oratories;

3 (ii) grants to fund the work of inves-
4 tigators at institutions of higher education
5 and other nonprofit research institutions;

6 (iii) incentivized development of re-
7 tooled industrial sites across the country
8 that foster a pivot to modernized engineer-
9 ing biology initiatives; and

10 (iv) awards under the Small Business
11 Innovation Research Program and the
12 Small Business Technology Transfer Pro-
13 gram, as described in section 9 of the Small
14 Business Act (15 U.S.C. 638);

15 (D) support for education and training of
16 undergraduate and graduate students in engi-
17 neering biology, biomanufacturing, bioprocess en-
18 gineering, and computational science applied to
19 engineering biology and in the related ethical,
20 legal, environmental, safety, security, and other
21 societal domains;

22 (E) activities to develop robust mechanisms
23 for documenting and quantifying the outputs
24 and economic benefits of engineering biology;
25 and

1 (F) activities to accelerate the translation
2 and commercialization of new products, proc-
3 esses, and technologies by—

4 (i) identifying precompetitive research
5 opportunities;

6 (ii) facilitating public-private partner-
7 ships in engineering biology research and
8 development;

9 (iii) connecting researchers, graduate
10 students, and postdoctoral fellows with en-
11 trepreneurship education and training op-
12 portunities; and

13 (iv) supporting proof of concept activi-
14 ties and the formation of startup companies
15 including through programs such as the
16 Small Business Innovation Research Pro-
17 gram and the Small Business Technology
18 Transfer Program.

19 (3) *EXPANDING PARTICIPATION.*—*The Initiative*
20 *shall include, to the maximum extent practicable, out-*
21 *reach to primarily undergraduate and minority-serv-*
22 *ing institutions (and institutions of higher education*
23 *with an established STEM capacity building program*
24 *focused on traditionally underrepresented populations*
25 *in STEM, including Native Hawaiians, Alaska Na-*

1 *tives, and Indians) about Initiative opportunities,*
2 *and shall encourage the development of research col-*
3 *laborations between research-intensive universities*
4 *and primarily undergraduate and minority-serving*
5 *institutions (and institutions of higher education*
6 *with an established STEM capacity building program*
7 *focused on traditionally underrepresented populations*
8 *in STEM, including Native Hawaiians, Alaska Na-*
9 *tives, and Indians).*

10 (4) *ETHICAL, LEGAL, ENVIRONMENTAL, SAFETY,*
11 *SECURITY, AND SOCIETAL ISSUES.—Initiative activi-*
12 *ties shall take into account ethical, legal, environ-*
13 *mental, safety, security, and other appropriate soci-*
14 *etal issues by—*

15 (A) *supporting research, including in the*
16 *social sciences, and other activities addressing*
17 *ethical, legal, environmental, and other appro-*
18 *priate societal issues related to engineering biol-*
19 *ogy, including integrating research on such top-*
20 *ics with the research and development in engi-*
21 *neering biology, and encouraging the dissemina-*
22 *tion of the results of such research, including*
23 *through interdisciplinary engineering biology re-*
24 *search centers described in paragraph (2)(A)(iii);*

1 (B) supporting research and other activities
2 related to the safety and security implications of
3 engineering biology, including outreach to in-
4 crease awareness among Federal researchers and
5 Federally-funded researchers at institutions of
6 higher education about potential safety and secu-
7 rity implications of engineering biology research,
8 as appropriate;

9 (C) ensuring that input from Federal and
10 non-Federal experts on the ethical, legal, envi-
11 ronmental, safety, security, and other appro-
12 priate societal issues related to engineering biol-
13 ogy is integrated into the Initiative;

14 (D) ensuring, through the agencies and de-
15 partments that participate in the Initiative, that
16 public input and outreach are integrated into
17 the Initiative by the convening of regular and
18 ongoing public discussions through mechanisms
19 such as workshops, consensus conferences, and
20 educational events, as appropriate; and

21 (E) complying with all applicable provi-
22 sions of Federal law.

23 (e) INITIATIVE COORDINATION.—

24 (1) INTERAGENCY COMMITTEE.—The President,
25 acting through the Office of Science and Technology

1 *Policy, shall designate an interagency committee to*
2 *coordinate activities of the Initiative as appropriate,*
3 *which shall be co-chaired by the Office of Science and*
4 *Technology Policy, and include representatives from*
5 *the Foundation, the Department of Energy, the De-*
6 *partment of Defense, the National Aeronautics and*
7 *Space Administration, the National Oceanic and At-*
8 *mospheric Administration, the National Institute of*
9 *Standards and Technology, the Environmental Pro-*
10 *tection Agency, the Department of Agriculture, the*
11 *Department of Health and Human Services, the Bu-*
12 *reau of Economic Analysis, and any other agency*
13 *that the President considers appropriate (in this sec-*
14 *tion referred to as the Interagency Committee). The*
15 *Director of the Office of Science and Technology Pol-*
16 *icy shall select an additional co-chairperson from*
17 *among the members of the Interagency Committee.*
18 *The Interagency Committee shall oversee the plan-*
19 *ning, management, and coordination of the Initiative.*
20 *The Interagency Committee shall—*

21 (A) *provide for interagency coordination of*
22 *Federal engineering biology research, develop-*
23 *ment, and other activities undertaken pursuant*
24 *to the Initiative;*

1 (B) establish and periodically update goals
2 and priorities for the Initiative;

3 (C) develop, not later than 12 months after
4 the date of the enactment of this division, and
5 update every 3 years thereafter, a strategic plan
6 submitted to the Committee on Science, Space,
7 and Technology and the Committee on Energy
8 and Commerce of the House of Representatives
9 and the Committee on Commerce, Science, and
10 Transportation and the Committee on Health,
11 Education, Labor, and Pensions of the Senate
12 that—

13 (i) guides the activities of the Initia-
14 tive for purposes of meeting the goals and
15 priorities established under (and updated
16 pursuant to) subparagraph (B); and

17 (ii) describes—

18 (I) the Initiative's support for
19 long-term funding for interdisciplinary
20 engineering biology research and devel-
21 opment;

22 (II) the Initiative's support for
23 education and public outreach activi-
24 ties;

1 *(III) the Initiative’s support for*
2 *research and other activities on ethical,*
3 *legal, environmental, safety, security,*
4 *and other appropriate societal issues*
5 *related to engineering biology includ-*
6 *ing—*

7 *(aa) an applied biorisk man-*
8 *agement research plan;*

9 *(bb) recommendations for in-*
10 *tegrating security into biological*
11 *data access and international rec-*
12 *iprocity agreements;*

13 *(cc) recommendations for*
14 *manufacturing restructuring to*
15 *support engineering biology re-*
16 *search, development, and scaling-*
17 *up initiatives; and*

18 *(dd) an evaluation of exist-*
19 *ing biosecurity governance poli-*
20 *cies, guidance, and directives for*
21 *the purposes of creating an adapt-*
22 *able, evidence-based framework to*
23 *respond to emerging biosecurity*
24 *challenges created by advances in*
25 *engineering biology;*

1 *(IV) how the Initiative will con-*
2 *tribute to moving results out of the lab-*
3 *oratory and into application for the*
4 *benefit of society and United States*
5 *competitiveness; and*

6 *(V) how the Initiative will meas-*
7 *ure and track the contributions of engi-*
8 *neering biology to United States eco-*
9 *nomi c growth and other societal indi-*
10 *cators;*

11 *(D) develop a national genomic sequencing*
12 *strategy to ensure engineering biology research*
13 *fully leverages plant, animal, and microbe bio-*
14 *diversity, as appropriate and in a manner that*
15 *does not compromise national security or the*
16 *privacy or security of human genetic informa-*
17 *tion, to enhance long-term innovation and com-*
18 *petitiveness in engineering biology in the United*
19 *States;*

20 *(E) develop a plan to utilize Federal pro-*
21 *grams, such as the Small Business Innovation*
22 *Research Program and the Small Business Tech-*
23 *nology Transfer Program as described in section*
24 *9 of the Small Business Act (15 U.S.C. 638), in*

1 support of the activities described in subsection
2 (d)(2)(C); and

3 (F) in carrying out this subsection, take
4 into consideration the recommendations of the
5 advisory committee established under subsection
6 (f), the results of the workshop convened under
7 subsection (d)(4)(D), existing reports on related
8 topics, and the views of academic, State, indus-
9 try, and other appropriate groups.

10 (2) *TRIENNIAL REPORT.*—Beginning with fiscal
11 year 2022 and ending in fiscal year 2028, not later
12 than 90 days after submission of the President’s an-
13 nual budget request and every third fiscal year there-
14 after, the Interagency Committee shall prepare and
15 submit to the Committee on Science, Space, and Tech-
16 nology of the House of Representatives and the Com-
17 mittee on Commerce, Science, and Transportation of
18 the Senate a report that includes—

19 (A) a summarized agency budget in support
20 of the Initiative for the fiscal year to which such
21 budget request applies, for the following 2 fiscal
22 years, for the then current fiscal year, including
23 a breakout of spending for each agency partici-
24 pating in the Program, and for the development

1 *and acquisition of any research facilities and in-*
2 *strumentation; and*

3 *(B) an assessment of how Federal agencies*
4 *are implementing the plan described in para-*
5 *graph (1)(C), including—*

6 *(i) a description of the amount and*
7 *number of awards made under the Small*
8 *Business Innovation Research Program and*
9 *the Small Business Technology Transfer*
10 *Program (as described in section 9 of the*
11 *Small Business Act (15 U.S.C. 638)) in*
12 *support of the Initiative;*

13 *(ii) a description of the amount and*
14 *number of projects funded under joint so-*
15 *licitations by a collaboration of no fewer*
16 *than 2 agencies participating in the Initia-*
17 *tive; and*

18 *(iii) a description of the effect of the*
19 *newly funded projects by the Initiative.*

20 (3) *INITIATIVE OFFICE.—*

21 *(A) IN GENERAL.—The President shall es-*
22 *tablish an Initiative Coordination Office, with a*
23 *Director and full-time staff, which shall—*

24 *(i) provide technical and administra-*
25 *tive support to the interagency committee*

1 *and the advisory committee established*
2 *under subsection (f);*

3 *(ii) serve as the point of contact on*
4 *Federal engineering biology activities for*
5 *government organizations, academia, indus-*
6 *try, professional societies, State govern-*
7 *ments, interested citizen groups, and others*
8 *to exchange technical and programmatic in-*
9 *formation;*

10 *(iii) oversee interagency coordination*
11 *of the Initiative, including by encouraging*
12 *and supporting joint agency solicitation*
13 *and selection of applications for funding of*
14 *activities under the Initiative, as appro-*
15 *priate;*

16 *(iv) conduct public outreach, including*
17 *dissemination of findings and recommenda-*
18 *tions of the advisory committee established*
19 *under subsection (f), as appropriate;*

20 *(v) serve as the coordinator of ethical,*
21 *legal, environmental, safety, security, and*
22 *other appropriate societal input; and*

23 *(vi) promote access to, and early appli-*
24 *cation of, the technologies, innovations, and*
25 *expertise derived from Initiative activities*

1 to agency missions and systems across the
2 Federal Government, and to United States
3 industry, including startup companies.

4 (B) *FUNDING.*—The Director of the Office of
5 Science and Technology Policy, in coordination
6 with each participating Federal department and
7 agency, as appropriate, shall develop and annu-
8 ally update an estimate of the funds necessary to
9 carry out the activities of the Initiative Coordi-
10 nation Office and submit such estimate with an
11 agreed summary of contributions from each
12 agency to Congress as part of the President’s an-
13 nual budget request to Congress.

14 (C) *TERMINATION.*—The Initiative Coordi-
15 nation Office established under this paragraph
16 shall terminate on the date that is 10 years after
17 the date of the enactment of this Act.

18 (4) *RULE OF CONSTRUCTION.*—Nothing in this
19 subsection shall be construed to alter the policies,
20 processes, or practices of individual Federal agencies
21 in effect on the day before the date of the enactment
22 of this division relating to the conduct of biomedical
23 research and advanced development, including the so-
24 licitation and review of extramural research pro-
25 posals.

1 (f) *ADVISORY COMMITTEE.*—

2 (1) *IN GENERAL.*—*The agency co-chair of the*
3 *interagency committee established in subsection (e)*
4 *shall, in consultation with the Office of Science and*
5 *Technology Policy, designate or establish an advisory*
6 *committee on engineering biology research and devel-*
7 *opment (in this subsection referred to as the advisory*
8 *committee) to be composed of not fewer than 12 mem-*
9 *bers, including representatives of research and aca-*
10 *ademic institutions, industry, and nongovernmental*
11 *entities, who are qualified to provide advice on the*
12 *Initiative.*

13 (2) *ASSESSMENT.*—*The advisory committee shall*
14 *assess—*

15 (A) *the current state of United States com-*
16 *petitiveness in engineering biology, including the*
17 *scope and scale of United States investments in*
18 *engineering biology research and development in*
19 *the international context;*

20 (B) *current market barriers to commer-*
21 *cialization of engineering biology products, proc-*
22 *esses, and tools in the United States;*

23 (C) *progress made in implementing the Ini-*
24 *tiative;*

25 (D) *the need to revise the Initiative;*

1 (E) the balance of activities and funding
2 across the Initiative;

3 (F) whether the strategic plan developed or
4 updated by the interagency committee established
5 under subsection (e) is helping to maintain
6 United States leadership in engineering biology;

7 (G) the management, coordination, imple-
8 mentation, and activities of the Initiative; and

9 (H) whether ethical, legal, environmental,
10 safety, security, and other appropriate societal
11 issues are adequately addressed by the Initiative.

12 (3) *REPORTS.*—Beginning not later than 2 years
13 after the date of enactment of this division, and not
14 less frequently than once every 3 years thereafter, the
15 advisory committee shall submit to the President, the
16 Committee on Science, Space, and Technology of the
17 House of Representatives, and the Committee on Com-
18 merce, Science, and Transportation of the Senate, a
19 report on—

20 (A) the findings of the advisory committee’s
21 assessment under paragraph (2); and

22 (B) the advisory committee’s recommenda-
23 tions for ways to improve the Initiative.

24 (4) *APPLICATION OF FEDERAL ADVISORY COM-*
25 *MITTEE ACT.*—Section 14 of the Federal Advisory

1 *Committee Act (5 U.S.C. App.) shall not apply to the*
2 *advisory committee.*

3 (5) *TERMINATION.*—*The advisory committee es-*
4 *tablished under paragraph (1) shall terminate on the*
5 *date that is 10 years after the date of the enactment*
6 *of this Act.*

7 (g) *EXTERNAL REVIEW OF ETHICAL, LEGAL, ENVI-*
8 *RONMENTAL, SAFETY, SECURITY, AND SOCIETAL ISSUES.*—

9 (1) *IN GENERAL.*—*Not later than 6 months after*
10 *the date of enactment of this division, the Director*
11 *shall seek to enter into an agreement with the Na-*
12 *tional Academies of Sciences, Engineering, and Medi-*
13 *cine to conduct a review, and make recommendations*
14 *with respect to, the ethical, legal, environmental, safe-*
15 *ty, security, and other appropriate societal issues re-*
16 *lated to engineering biology research and develop-*
17 *ment. The review shall include—*

18 (A) *an assessment of the current research on*
19 *such issues;*

20 (B) *a description of the research gaps relat-*
21 *ing to such issues;*

22 (C) *recommendations on how the Initiative*
23 *can address the research needs identified pursu-*
24 *ant to subparagraph (B); and*

1 (D) *recommendations on how researchers*
2 *engaged in engineering biology can best incor-*
3 *porate considerations of ethical, legal, environ-*
4 *mental, safety, security, and other societal issues*
5 *into the development of research proposals and*
6 *the conduct of research.*

7 (2) *REPORT TO CONGRESS.—The agreement en-*
8 *tered into under paragraph (1) shall require the Na-*
9 *tional Academies of Sciences, Engineering, and Medi-*
10 *cine to, not later than 2 years after the date of the*
11 *enactment of this division—*

12 (A) *submit to the Committee on Science,*
13 *Space, and Technology of the House of Rep-*
14 *resentatives and the Committee on Commerce,*
15 *Science, and Transportation of the Senate a re-*
16 *port containing the findings and recommenda-*
17 *tions of the review conducted under paragraph*
18 *(1); and*

19 (B) *make a copy of such report available on*
20 *a publicly accessible website.*

21 (h) *AGENCY ACTIVITIES.—*

22 (1) *NATIONAL SCIENCE FOUNDATION.—As part*
23 *of the Initiative, the Foundation shall—*

24 (A) *support basic research in engineering*
25 *biology through individual grants, collaborative*

1 grants, and through interdisciplinary research
2 centers;

3 (B) support research on the environmental,
4 legal, ethical, and social implications of engi-
5 neering biology;

6 (C) provide support for research instrumen-
7 tation for engineering biology disciplines, includ-
8 ing support for research, development, optimiza-
9 tion and validation of novel technologies to en-
10 able the dynamic study of molecular processes in
11 situ;

12 (D) support curriculum development and
13 research experiences for secondary, under-
14 graduate, and graduate students in engineering
15 biology and biomanufacturing; and

16 (E) award grants, on a competitive basis, to
17 enable institutions to support graduate students
18 and postdoctoral fellows who perform some of
19 their engineering biology research in an industry
20 setting.

21 (2) DEPARTMENT OF COMMERCE.—

22 (A) NATIONAL INSTITUTE OF STANDARDS
23 AND TECHNOLOGY.—As part of the Initiative, the
24 Director of the National Institute of Standards
25 and Technology shall—

1 (i) *establish a bioscience research pro-*
2 *gram to advance the development of stand-*
3 *ard reference materials and measurements*
4 *and to create new data tools, techniques,*
5 *and processes necessary to advance engi-*
6 *neering biology and biomanufacturing;*

7 (ii) *provide access to user facilities*
8 *with advanced or unique equipment, serv-*
9 *ices, materials, and other resources to in-*
10 *dustry, institutions of higher education,*
11 *nonprofit organizations, and government*
12 *agencies to perform research and testing;*
13 *and*

14 (iii) *provide technical expertise to in-*
15 *form the potential development of guidelines*
16 *or safeguards for new products, processes,*
17 *and systems of engineering biology.*

18 (B) *NATIONAL OCEANIC AND ATMOSPHERIC*
19 *ADMINISTRATION.—As part of the initiative, the*
20 *Administrator of the National Oceanic and At-*
21 *mospheric Administration shall—*

22 (i) *establish a program to conduct and*
23 *support omics research and associated*
24 *bioinformatic sciences to increase efficiency*
25 *and promote a sustainable bioeconomy (blue*

1 *economy) to develop the next generation of*
2 *tools and products to improve ecosystem*
3 *stewardship, monitoring, management, as-*
4 *sessments, and forecasts; and*

5 *(ii) collaborate with other agencies to*
6 *understand potential environmental threats*
7 *and safeguards relating to engineering biol-*
8 *ogy.*

9 (3) *DEPARTMENT OF ENERGY.—As part of the*
10 *Initiative, the Secretary of Energy shall—*

11 *(A) conduct and support research, develop-*
12 *ment, demonstration, and commercial applica-*
13 *tion activities in engineering biology, including*
14 *in the areas of synthetic biology, advanced*
15 *biofuel development, biobased materials, and en-*
16 *vironmental remediation;*

17 *(B) support the development, optimization*
18 *and validation of novel, scalable tools and tech-*
19 *nologies to enable the dynamic study of molec-*
20 *ular processes in situ; and*

21 *(C) provide access to user facilities with ad-*
22 *vanced or unique equipment, services, materials,*
23 *and other resources, including secure access to*
24 *high-performance computing, as appropriate, to*
25 *industry, institutions of higher education, non-*

1 *profit organizations, and government agencies to*
2 *perform research and testing.*

3 (4) *DEPARTMENT OF DEFENSE.—As part of the*
4 *Initiative, the Secretary of Defense shall—*

5 (A) *conduct and support research and devel-*
6 *opment in engineering biology and associated*
7 *data and information sciences;*

8 (B) *support curriculum development and*
9 *research experiences in engineering biology and*
10 *associated data and information sciences across*
11 *the military education system, to include service*
12 *academies, professional military education, and*
13 *military graduate education; and*

14 (C) *assess risks of potential national secu-*
15 *rity and economic security threats relating to en-*
16 *gineering biology.*

17 (5) *NATIONAL AERONAUTICS AND SPACE ADMIN-*
18 *ISTRATION.—As part of the Initiative, the National*
19 *Aeronautics and Space Administration shall—*

20 (A) *conduct and support basic and applied*
21 *research in engineering biology, including in*
22 *synthetic biology, and related to Earth and space*
23 *sciences, aeronautics, space technology, and space*
24 *exploration and experimentation, consistent with*

1 *the priorities established in the National Acad-*
2 *emies' decadal surveys; and*

3 *(B) award grants, on a competitive basis,*
4 *that enable institutions to support graduate stu-*
5 *dents and postdoctoral fellows who perform some*
6 *of their engineering biology research in an in-*
7 *dustry setting.*

8 *(6) DEPARTMENT OF AGRICULTURE.—As part of*
9 *the Initiative, the Secretary of Agriculture shall—*

10 *(A) support research and development in*
11 *engineering biology, including in synthetic biol-*
12 *ogy and biomaterials;*

13 *(B) award grants through the National In-*
14 *stitute of Food and Agriculture; and*

15 *(C) support development conducted by the*
16 *Agricultural Research Service.*

17 *(7) ENVIRONMENTAL PROTECTION AGENCY.—As*
18 *part of the Initiative, the Environmental Protection*
19 *Agency shall support research on how products, proc-*
20 *esses, and systems of engineering biology will affect or*
21 *can protect the environment.*

22 *(8) DEPARTMENT OF HEALTH AND HUMAN SERV-*
23 *ICES.—As part of the Initiative, the Secretary of*
24 *Health and Human Services, as appropriate and con-*
25 *sistent with activities of the Department of Health*

1 *and Human Services in effect on the day before the*
2 *date of the enactment of this division, shall—*

3 *(A) support research and development to*
4 *advance the understanding and application of*
5 *engineering biology for human health;*

6 *(B) support relevant interdisciplinary re-*
7 *search and coordination; and*

8 *(C) support activities necessary to facilitate*
9 *oversight of relevant emerging biotechnologies.*

10 *(i) RULE OF CONSTRUCTION.—Nothing in this section*
11 *shall be construed to require public disclosure of informa-*
12 *tion that is exempt from mandatory disclosure under sec-*
13 *tion 552 of title 5, United States Code.*

14 **SEC. 2218. MICROGRAVITY UTILIZATION POLICY.**

15 *(a) SENSE OF CONGRESS.—It is the sense of Congress*
16 *that space technology and the utilization of the micro-*
17 *gravity environment for science, engineering, and tech-*
18 *nology development is critical to long-term competitiveness*
19 *with near-peer competitors, including China.*

20 *(b) POLICY.—To the greatest extent appropriate, the*
21 *Foundation shall facilitate access to the microgravity envi-*
22 *ronment for awardees of funding from the Foundation, in-*
23 *cluding in private sector platforms, for the development of*
24 *science, engineering, and technology.*

1 (4) *communicating reporting and disclosure re-*
2 *quirements to awardees and applicants for funding;*

3 (5) *consulting and coordinating with the Foun-*
4 *dition Office of Inspector General and with other*
5 *Federal science agencies, as appropriate, and through*
6 *the National Science and Technology Council in ac-*
7 *cordance with the authority provided under section*
8 *1746 of the National Defense Authorization Act for*
9 *Fiscal Year 2020 (Public Law 116–92; 42 U.S.C.*
10 *6601 note), to identify and address potential security*
11 *risks that threaten research integrity and other risks*
12 *to the research enterprise and to develop research se-*
13 *curity policy and best practices;*

14 (6) *performing risk assessments, in consultation,*
15 *as appropriate, with other Federal agencies, of Foun-*
16 *dition proposals and awards using analytical tools to*
17 *assess nondisclosures of required information that*
18 *could indicate breaches of research integrity or poten-*
19 *tially fraudulent activity that would be referred to the*
20 *Foundation Office of Inspector General;*

21 (7) *establishing policies and procedures for safe-*
22 *guarding sensitive research information and tech-*
23 *nology, working in consultation, as appropriate, with*
24 *other Federal agencies, to ensure compliance with Na-*
25 *tional Security Presidential Memorandum–33 (relat-*

1 *ing to strengthening protections of United States Gov-*
2 *ernment-supported research and development against*
3 *foreign government interference and exploitation) or a*
4 *successor policy document; and*

5 *(8) in accordance with relevant policies of the*
6 *agency, conducting due diligence with regard to ap-*
7 *plicants for grant funding from the Foundation prior*
8 *to awarding such funding.*

9 *(b) CHIEF OF RESEARCH SECURITY.—The Director*
10 *shall appoint a senior agency official within the Office of*
11 *the Director as a Chief of Research Security, whose primary*
12 *responsibility is to manage the office established in sub-*
13 *section (a).*

14 *(c) REPORT TO CONGRESS.—Not later than 180 days*
15 *after the date of enactment of this division, the Director*
16 *shall provide a report on the resources and the number of*
17 *full-time employees needed to carry out the functions of the*
18 *office established in subsection (a) to the Committee on*
19 *Commerce, Science, and Transportation of the Senate, the*
20 *Committee on Appropriations of the Senate, the Committee*
21 *on Science, Space, and Technology of the House of Rep-*
22 *resentatives, and the Committee on Appropriations of the*
23 *House of Representatives.*

24 *(d) ONLINE RESOURCE.—The Director shall develop*
25 *an online resource hosted on the Foundation’s publicly ac-*

1 *cessible website containing up-to-date information, tailored*
2 *for institutions of higher education and individual re-*
3 *searchers, including—*

4 (1) *an explanation of Foundation research secu-*
5 *rity policies;*

6 (2) *unclassified guidance on potential security*
7 *risks that threaten research integrity and other risks*
8 *to the research enterprise;*

9 (3) *examples of beneficial international collabo-*
10 *rations and how such collaborations differ from for-*
11 *foreign government interference efforts that threaten re-*
12 *search integrity;*

13 (4) *best practices for mitigating security risks*
14 *that threaten research integrity; and*

15 (5) *additional reference materials, including*
16 *tools that assist organizations seeking Foundation*
17 *funding and awardees in information disclosure to*
18 *the Foundation.*

19 (e) *RESEARCH GRANTS.—The Director shall continue*
20 *to award grants, on a competitive basis, to institutions of*
21 *higher education or nonprofit organizations (or consortia*
22 *of such institutions or organizations) to support research*
23 *on the conduct of research and the research environment,*
24 *including research on research misconduct, breaches of re-*
25 *search integrity, and detrimental research practices.*

1 (f) *RESPONSIBLE CONDUCT IN RESEARCH TRAIN-*
2 *ING.*—Section 7009 of the America Creating Opportunities
3 *to Meaningfully Promote Excellence in Technology, Edu-*
4 *cation, and Science Act (42 U.S.C. 1862o–1) is amended—*

5 (1) *by striking “and postdoctoral researchers”*
6 *and inserting “postdoctoral researchers, faculty, and*
7 *other senior personnel”; and*

8 (2) *by inserting before the period at the end the*
9 *following: “, including training and mentorship to*
10 *raise awareness of potential security threats and of*
11 *Federal export control, disclosure, and reporting re-*
12 *quirements”.*

13 (g) *FUNDING.*—*From any amounts appropriated for*
14 *the Foundation for each of fiscal years 2022 through 2026,*
15 *the Director shall allocate \$5,000,000 to carry out this sec-*
16 *tion for each such year.*

17 **SEC. 2302. RESEARCH SECURITY AND INTEGRITY INFORMA-**
18 **TION SHARING ANALYSIS ORGANIZATION.**

19 (a) *ESTABLISHMENT.*—*The Director of the Office of*
20 *Science and Technology Policy shall enter into an agree-*
21 *ment with a qualified independent organization to establish*
22 *a research security and integrity information sharing anal-*
23 *ysis organization (referred to in this section as the “RSI-*
24 *ISAO”), which shall include members described in sub-*

1 *section (d) and carry out the duties described in subsection*
2 *(b).*

3 *(b) DUTIES.—The RSI–ISAO shall—*

4 *(1) serve as a clearinghouse for information to*
5 *help enable the members and other entities in the re-*
6 *search community to understand the context of their*
7 *research and identify improper or illegal efforts by*
8 *foreign entities to obtain research results, know how,*
9 *materials, and intellectual property;*

10 *(2) develop a set of standard risk assessment*
11 *frameworks and best practices, relevant to the re-*
12 *search community, to assess research security risks in*
13 *different contexts;*

14 *(3) share information concerning security threats*
15 *and lessons learned from protection and response ef-*
16 *forts through forums and other forms of communica-*
17 *tion;*

18 *(4) provide timely reports on research security*
19 *risks to provide situational awareness tailored to the*
20 *research and education community;*

21 *(5) provide training and support, including*
22 *through webinars, for relevant faculty and staff em-*
23 *ployed by institutions of higher education on topics*
24 *relevant to research security risks and response;*

1 (6) *enable standardized information gathering*
2 *and data compilation, storage, and analysis for com-*
3 *puted incident reports;*

4 (7) *support analysis of patterns of risk and iden-*
5 *tification of bad actors and enhance the ability of*
6 *members to prevent and respond to research security*
7 *risks; and*

8 (8) *take other appropriate steps to enhance re-*
9 *search security.*

10 (c) *FUNDING.—The Foundation may provide initial*
11 *funds toward the RSI–ISAO, but shall seek to have the fees*
12 *authorized in subsection (d)(2) cover the costs of operations*
13 *at the earliest practicable time.*

14 (d) *MEMBERSHIP.—*

15 (1) *IN GENERAL.—The RSI–ISAO shall serve*
16 *and include members representing institutions of*
17 *higher education, nonprofit research institutions, and*
18 *small and medium-sized businesses.*

19 (2) *FEEES.—As soon as practicable, members of*
20 *the RSI–ISAO shall be charged an annual rate to en-*
21 *able the RSI–ISAO to cover its costs. Rates shall be*
22 *set on a sliding scale based on research and develop-*
23 *ment spent to ensure that membership is accessible to*
24 *a diverse community of stakeholders and ensure broad*
25 *participation. The RSI–ISAO shall develop a plan to*

1 (1) *prohibit all personnel of each Federal science*
2 *agency, including Federal employees, contract em-*
3 *ployees, independent contractors, individuals serving*
4 *under the Intergovernmental Personnel Act of 1970*
5 *(42 U.S.C. 4701 et seq.), Visiting Scientist Engineer*
6 *and Educator appointments, and special government*
7 *employees, from participating in a foreign govern-*
8 *ment talent recruitment program;*

9 (2) *prohibit awards from being made for any*
10 *proposal in which the principal investigator, any in-*
11 *dividual listed on the application for the award with*
12 *direct involvement in the proposal, or co-principal in-*
13 *vestigator is participating in a foreign government*
14 *talent recruitment program of the People’s Republic*
15 *of China, the Democratic People’s Republic of Korea,*
16 *the Russian Federation, or the Islamic Republic of*
17 *Iran; and*

18 (3) *to the extent practicable, require institutions*
19 *receiving funding to prohibit awards from being used*
20 *by any individuals participating in a foreign govern-*
21 *ment talent recruitment program of the People’s Re-*
22 *public of China, the Democratic People’s Republic of*
23 *Korea, the Russian Federation, or the Islamic Repub-*
24 *lic of Iran.*

1 (b) *PROHIBITION.*—Not later than 1 year after the date
2 of enactment of this division, each Federal science agency
3 shall issue a policy, utilizing the policy guidelines developed
4 under subsection (a).

5 (c) *EXEMPTION.*—The policy developed under sub-
6 section (b) may include an exemption for participation in
7 international conferences or other international exchanges,
8 partnerships, or programs, as sanctioned or approved by
9 the Federal science agency. When such participation is au-
10 thorized, the Federal science agency shall ensure training
11 is provided to the participant on how to respond to over-
12 tures from individuals associated with foreign government
13 talent recruitment programs.

14 (d) *REPORT.*—Not later than 2 years after the date
15 of enactment of this division, each Federal science agency
16 shall report to Congress on the steps it has taken to imple-
17 ment this section.

18 (e) *FOREIGN GOVERNMENT TALENT RECRUITMENT*
19 *PROGRAMS.*—In addition to existing authorities for pre-
20 venting waste, fraud, abuse, and mismanagement of Federal
21 funds, each Federal science agency shall require, as a condi-
22 tion of an award, that the senior personnel designated by
23 the United States institution applying for Federal funding
24 submit foreign government talent recruitment program con-
25 tracts to the agency if the principal investigator or a co-

1 *principal investigator discloses membership in a foreign*
2 *government talent recruitment program other than a pro-*
3 *gram of the People’s Republic of China, the Democratic Peo-*
4 *ple’s Republic of Korea, the Russian Federation, or the Is-*
5 *lamic Republic of Iran. The United States institution, as*
6 *the award applicant, shall ensure, to the maximum extent*
7 *practicable, that the contract conforms with the Federal*
8 *science agency’s guidance on conflicts of interest, including*
9 *those contained in relevant contract proposal and award*
10 *policies and procedures. Each Federal science agency shall*
11 *review the contract and may prohibit funding to the award-*
12 *ee if the obligations in the contract interfere with the capac-*
13 *ity for activities receiving support to be carried out, or cre-*
14 *ate duplication with Federally supported activities.*

15 (f) *CONSISTENCY.—The Director of the Office of*
16 *Science and Technology Policy shall ensure that the policies*
17 *issued by Federal science agencies under subsection (b) are*
18 *consistent to the greatest extent practicable.*

19 (g) *DEFINITION.—For purposes of this section and sec-*
20 *tion 2304, the term “foreign government talent recruitment*
21 *program” has the meaning given the term “foreign govern-*
22 *ment-sponsored talent recruitment program” in National*
23 *Security Presidential Memorandum–33 (relating to*
24 *strengthening protections of United States Government-sup-*
25 *ported research and development against foreign govern-*

1 *ment interference and exploitation) or a successor policy*
2 *document.*

3 **SEC. 2304. ADDITIONAL REQUIREMENTS FOR DIRECTORATE**
4 **RESEARCH SECURITY.**

5 *(a) INITIATIVE REQUIRED.—The Director shall, in*
6 *consultation with other appropriate Federal agencies, estab-*
7 *lish an initiative to work with institutions of higher edu-*
8 *cation that perform research and technology development*
9 *activities under the Directorate—*

10 *(1) to support protection of intellectual property,*
11 *consistent with the controls relevant to the grant or*
12 *award, key personnel, and information about critical*
13 *technologies relevant to national security;*

14 *(2) to limit undue influence, including through*
15 *foreign government talent recruitment programs, by*
16 *countries to exploit United States technology within*
17 *the Foundation research, science and technology, and*
18 *innovation enterprise, including research funded by*
19 *the Directorate; and*

20 *(3) to support efforts toward development of do-*
21 *mestic talent in relevant scientific and engineering*
22 *fields.*

23 *(b) COORDINATION.—The initiative established under*
24 *subsection (a) shall be developed and executed to the max-*

1 *imum extent practicable with academic research institu-*
2 *tions and other educational and research organizations.*

3 (c) *REQUIREMENTS.*—*The initiative established under*
4 *subsection (a) shall include development of the following:*

5 (1) *Training developed and delivered in con-*
6 *sultation with institutions of higher education and*
7 *appropriate Federal agencies, and other support to*
8 *institutions of higher education, to promote security*
9 *of controlled information, as appropriate, including*
10 *best practices for protection of controlled information.*

11 (2) *The capacity of institutions of higher edu-*
12 *cation to assess whether individuals affiliated with*
13 *Directorate programs have participated in or are cur-*
14 *rently participating in foreign government talent re-*
15 *ruitment program programs.*

16 (3) *Opportunities to collaborate with Directorate*
17 *awardees to promote protection of controlled informa-*
18 *tion as appropriate and strengthen defense against*
19 *foreign intelligence services.*

20 (4) *As appropriate, regulations and proce-*
21 *dures—*

22 (A) *for government and academic organiza-*
23 *tions and personnel to support the goals of the*
24 *initiative; and*

1 (B) that are consistent with policies that
2 protect open and scientific exchange in funda-
3 mental research.

4 (5) Policies to limit or prohibit funding provided
5 by the Foundation for individual researchers who
6 knowingly violate regulations developed under the ini-
7 tiative, including policies relating to foreign govern-
8 ment talent recruitment programs.

9 (6) Policies to limit or prohibit funding provided
10 by the Foundation for institutions that knowingly
11 violate regulations developed under the initiative, in-
12 cluding policies relating to foreign government talent
13 recruitment programs.

14 (d) *DEPARTMENT OF DEFENSE EFFORTS.*—In car-
15 rying out this section, the Foundation shall consider the
16 efforts undertaken by the Department of Defense to secure
17 defense research, including as provided under section 1286
18 of the John S. McCain National Defense Authorization Act
19 for Fiscal Year 2019 (10 U.S.C. 2358 note).

20 (e) *ANNUAL REPORT.*—

21 (1) *IN GENERAL.*—Not later than 1 year after
22 date of enactment of this division, and annually
23 thereafter, the Director, shall submit to Congress a re-
24 port on the activities carried out under the initiative
25 established under subsection (a).

1 (2) *CONTENTS.*—*The report required by para-*
2 *graph (1) shall include the following:*

3 (A) *A description of the activities conducted*
4 *and the progress made under the initiative.*

5 (B) *The findings of the Director with re-*
6 *spect to the initiative.*

7 (C) *Such recommendations as the Director*
8 *may have for legislative or administrative action*
9 *relating to the matters described in subsection*
10 *(a).*

11 (D) *Identification and discussion of the*
12 *gaps in legal authorities that need to be im-*
13 *proved to enhance the security of research insti-*
14 *tutions of higher education performing Direc-*
15 *torate research.*

16 (E) *Information on Foundation Inspector*
17 *General cases, as appropriate, relating to undue*
18 *influence to security threats to academic research*
19 *activities funded by the Foundation, including*
20 *theft of property or intellectual property relating*
21 *to a project funded by the Department at an in-*
22 *stitution of higher education.*

23 (3) *FORM.*—*The report submitted under para-*
24 *graph (1) shall be submitted in both unclassified and*
25 *classified formats, as appropriate.*

1 **SEC. 2305. PROTECTING RESEARCH FROM CYBER THEFT.**

2 (a) *IMPROVING CYBERSECURITY OF INSTITUTIONS OF*
3 *HIGHER EDUCATION.*—Section 2(e)(1)(A) of the National
4 *Institute of Standards and Technology Act (15 U.S.C.*
5 *272(e)(1)(A)) is amended—*

6 (1) *in clause (viii), by striking “and” after the*
7 *semicolon;*

8 (2) *by redesignating clause (ix) as clause (x);*
9 *and*

10 (3) *by inserting after clause (viii) the following:*

11 *“(ix) consider institutions of higher*
12 *education (as defined in section 101 of the*
13 *Higher Education Act of 1965 (20 U.S.C.*
14 *1001)); and”.*

15 (b) *DISSEMINATION OF RESOURCES FOR RESEARCH*
16 *INSTITUTIONS.*—

17 (1) *IN GENERAL.*—Not later than 90 days after
18 *the date of enactment of this division, the Director*
19 *shall, using the authorities of the Director under sub-*
20 *section (e)(1)(A)(ix) of section 2 of the National Insti-*
21 *tute of Standards and Technology Act (15 U.S.C.*
22 *272), as amended by subsection (a), disseminate and*
23 *make publicly available resources to help research in-*
24 *stitutions and institutions of higher education iden-*
25 *tify, protect the institution involved from, detect, re-*
26 *spond to, and recover to manage the cybersecurity*

1 *risk of the institution involved related to conducting*
2 *research.*

3 (2) *REQUIREMENTS.—The Director shall ensure*
4 *that the resources disseminated pursuant to para-*
5 *graph (1)—*

6 (A) *are generally applicable and usable by*
7 *a wide range of research institutions and insti-*
8 *tutions of higher education;*

9 (B) *vary with the nature and size of the im-*
10 *plementing research institutions or institutions*
11 *of higher education, and the nature and sensi-*
12 *tivity of the data collected or stored on the infor-*
13 *mation systems or devices of the implementing*
14 *research institutions or institutions of higher*
15 *education;*

16 (C) *include elements that promote aware-*
17 *ness of simple, basic controls, a workplace cyber-*
18 *security culture, and third-party stakeholder re-*
19 *lationships, to assist research institutions or in-*
20 *stitutions of higher education in mitigating com-*
21 *mon cybersecurity risks;*

22 (D) *include case studies of practical appli-*
23 *cation;*

1 (E) are technology-neutral and can be im-
2 plemented using technologies that are commercial
3 and off-the-shelf; and

4 (F) to the extent practicable, are based on
5 international standards.

6 (3) NATIONAL CYBERSECURITY AWARENESS AND
7 EDUCATION PROGRAM.—The Director shall ensure
8 that the resources disseminated under paragraph (1)
9 are consistent with the efforts of the Director under
10 section 303 of the Cybersecurity Enhancement Act of
11 2014 (15 U.S.C. 7443).

12 (4) UPDATES.—The Director shall review peri-
13 odically and update the resources under paragraph
14 (1) as the Director determines appropriate.

15 (5) VOLUNTARY RESOURCES.—The use of the re-
16 sources disseminated under paragraph (1) shall be
17 considered voluntary.

18 (6) OTHER FEDERAL CYBERSECURITY REQUIRE-
19 MENTS.—Nothing in this section may be construed to
20 supersede, alter, or otherwise affect any cybersecurity
21 requirements applicable to Federal agencies.

22 (c) DEFINITIONS.—In this section:

23 (1) DIRECTOR.—The term “Director” means the
24 Director of the National Institute of Standards and
25 Technology.

1 (2) *RESOURCES*.—The term “resources” means
2 guidelines, tools, best practices, standards, methodolo-
3 gies, and other ways of providing information.

4 (3) *RESEARCH INSTITUTION*.—The term “re-
5 search institution”—

6 (A) means a nonprofit institution (as de-
7 fined in section 4 of the Stevenson-Wydler Tech-
8 nology Innovation Act of 1980 (15 U.S.C.
9 3703)); and

10 (B) includes Federally funded research and
11 development centers, as identified by the Na-
12 tional Science Foundation in accordance with
13 the Federal Acquisition Regulation issued in ac-
14 cordance with section 1303(a)(1) of title 41 (or
15 any successor regulation).

16 **SEC. 2306. INTERNATIONAL STANDARDS DEVELOPMENT.**

17 (a) *FINDINGS*.—Congress finds the following:

18 (1) Widespread use of standards facilitates tech-
19 nology advancement by defining and establishing
20 common foundations for interoperability, product dif-
21 ferentiation, technological innovation, and other
22 value-added services.

23 (2) Standards also promote an expanded, more
24 interoperable, and efficient marketplace.

1 (3) *Global cooperation and coordination on*
2 *standards for emerging technologies will be critical for*
3 *having a consistent set of approaches to enable market*
4 *competition, preclude barriers to trade, and allow in-*
5 *novation to flourish.*

6 (4) *The People's Republic of China's Standard-*
7 *ization Reform Plan and Five-Year Plan for Stand-*
8 *ardization highlight its high-level goals to establish*
9 *China as a standards power by 2020, participate in*
10 *at least half of all standards drafting and revision ef-*
11 *forts in recognized international standards setting or-*
12 *ganizations, and strengthen China's participation in*
13 *the governance of international standards setting or-*
14 *ganizations.*

15 (5) *As emerging technologies develop for global*
16 *deployment, it is critical that the United States and*
17 *its allies continue to participate in the development*
18 *of standards that underpin the technologies them-*
19 *selves, and the future international governance of*
20 *these technologies.*

21 (6) *The United States position on standardiza-*
22 *tion in emerging technologies will be critical to*
23 *United States economic competitiveness.*

24 (7) *The National Institute of Standards and*
25 *Technology is in a unique position to strengthen*

1 *United States leadership in standards development,*
2 *particularly for emerging technologies, to ensure con-*
3 *tinuing United States economic competitiveness and*
4 *national security.*

5 *(b) SENSE OF CONGRESS.—It is the sense of Congress*
6 *that—*

7 *(1) the principles of openness, transparency, due*
8 *process, and consensus in the development of inter-*
9 *national standards are critical;*

10 *(2) voluntary consensus standards, developed*
11 *through an industry-led process, serve as the corner-*
12 *stone of the United States standardization system and*
13 *have become the basis of a sound national economy*
14 *and the key to global market access;*

15 *(3) strengthening the unique United States pub-*
16 *lic-private partnerships approach to standards devel-*
17 *opment is critical to United States economic competi-*
18 *tiveness; and*

19 *(4) the United States Government should ensure*
20 *cooperation and coordination across Federal agencies*
21 *to partner with and support private sector stake-*
22 *holders to continue to shape international dialogues*
23 *in regard to standards development for emerging tech-*
24 *nologies.*

1 (c) *ACTIVITIES AND ENGAGEMENT.*—*The Secretary of*
2 *Commerce, acting through the Director, and in consultation*
3 *with the Secretary of Energy as relevant, shall—*

4 (1) *build capacity and training opportunities to*
5 *help create a pipeline of talent and leadership in key*
6 *standards development positions;*

7 (2) *partner with private sector entities to sup-*
8 *port strategic engagement and leadership in the devel-*
9 *opment of international standards for digital econ-*
10 *omy technologies, including partnering with industry*
11 *to assist private sector partners to develop standards*
12 *strategies and support engagement and participation*
13 *in the relevant standards activities; and*

14 (3) *prioritize efforts on standards development*
15 *for emerging technologies, identify organizations to*
16 *develop these standards, identify leadership positions*
17 *of interest to the United States, and identify key con-*
18 *tributors for technical and leadership expertise in*
19 *these areas.*

20 **SEC. 2307. RESEARCH FUNDS ACCOUNTING.**

21 (a) *DEFINITIONS.*—*In this section:*

22 (1) *FOREIGN ENTITY OF CONCERN.*—*The term*
23 *“foreign entity of concern” means a foreign entity*
24 *that is—*

1 (A) designated as a foreign terrorist organi-
2 zation by the Secretary of State under section
3 219(a) of the Immigration and Nationality Act
4 (8 U.S.C. 1189(a));

5 (B) included on the list of specially des-
6 ignated nationals and blocked persons main-
7 tained by the Office of Foreign Assets Control of
8 the Department of the Treasury (commonly
9 known as the SDN list);

10 (C) owned by, controlled by, or subject to
11 the jurisdiction or direction of a government of
12 a foreign country that is a covered nation (as de-
13 fined in section 2533c(d) of title 10, United
14 States Code);

15 (D) alleged by the Attorney General to have
16 been involved in activities for which a conviction
17 was obtained under—

18 (i) chapter 37 of title 18, United States
19 Code (commonly known as the Espionage
20 Act);

21 (ii) section 951 or 1030 of title 18,
22 United States Code;

23 (iii) chapter 90 of title 18, United
24 States Code (commonly known as the Eco-
25 nomic Espionage Act of 1996);

1 (iv) *the Arms Export Control Act* (22
2 *U.S.C. 2751 et seq.*);

3 (v) *section 224, 225, 226, 227, or 236*
4 *of the Atomic Energy Act of 1954* (42
5 *U.S.C. 2274, 2275, 2276, 2277, and 2284*);

6 (vi) *the Export Control Reform Act of*
7 *2018* (50 *U.S.C. 4801 et seq.*); or

8 (vii) *the International Emergency Eco-*
9 *nomics Powers Act* (50 *U.S.C. 1701 et seq.*);
10 or

11 (E) *determined by the Secretary of Com-*
12 *merce, in consultation with the Secretary of De-*
13 *fense and the Director of National Intelligence,*
14 *to be engaged in unauthorized conduct that is*
15 *detrimental to the national security or foreign*
16 *policy of the United States.*

17 (2) *STUDY PERIOD.*—*The term “study period”*
18 *means the 5-year period ending on the date of enact-*
19 *ment of this Act.*

20 (b) *STUDY.*—*The Comptroller General of the United*
21 *States shall conduct a study on Federal funding made*
22 *available, to foreign entities of concern for research, during*
23 *the study period.*

1 (c) *MATTERS TO BE INCLUDED.*—*The study conducted*
2 *under subsection (b) shall include, to the extent practicable*
3 *with respect to the study period, an assessment of—*

4 (1) *the total amount of Federal funding made*
5 *available to foreign entities of concern for research;*

6 (2) *the total number and types of foreign entities*
7 *of concern to whom such funding was made available;*

8 (3) *the requirements relating to the awarding,*
9 *tracking, and monitoring of such funding;*

10 (4) *any other data available with respect to Fed-*
11 *eral funding made available to foreign entities of con-*
12 *cern for research; and*

13 (5) *such other matters as the Comptroller Gen-*
14 *eral determines appropriate.*

15 (d) *BRIEFING ON AVAILABLE DATA.*—*Not later than*
16 *120 days after the date of the enactment of this division,*
17 *the Comptroller General shall brief the Committee on Com-*
18 *merce, Science, and Transportation and the Committee on*
19 *Foreign Relations of the Senate and the Committee on*
20 *Science, Space, and Technology and the Committee on For-*
21 *ign Affairs of the House of Representatives on the study*
22 *conducted under subsection (b) and on the data that is*
23 *available with respect to Federal funding made available*
24 *to foreign entities of concern for research.*

1 (e) *REPORT.*—*The Comptroller General shall submit*
2 *to the congressional committees specified in subsection (d),*
3 *by a date agreed upon by the Comptroller General and the*
4 *committees on the date of the briefing, a report on the find-*
5 *ings of the study conducted under subsection (b).*

6 **SEC. 2308. PLAN WITH RESPECT TO SENSITIVE OR CON-**
7 **TROLLED INFORMATION AND BACKGROUND**
8 **SCREENING.**

9 *Not later than 180 days after the enactment of this*
10 *division, the Director, in consultation with the Director of*
11 *National Intelligence and, as appropriate, other Federal*
12 *agencies, shall develop a plan to—*

13 (1) *identify research areas that may include sen-*
14 *sitive or controlled information, including in the key*
15 *technology focus areas; and*

16 (2) *provide for background screening, as appro-*
17 *priate, for individuals working in such research areas*
18 *who are employees of the Foundation or recipients of*
19 *funding from the Foundation.*

20 **TITLE IV—REGIONAL**
21 **INNOVATION CAPACITY**

22 **SEC. 2401. REGIONAL TECHNOLOGY HUBS.**

23 (a) *IN GENERAL.*—*The Stevenson-Wydler Technology*
24 *Innovation Act of 1980 (Public Law 96–480; 15 U.S.C.*
25 *3701 et seq.) is amended—*

1 (1) *by redesignating section 28 as section 29;*

2 *and*

3 (2) *by inserting after section 27 the following:*

4 **“SEC. 28. REGIONAL TECHNOLOGY HUB PROGRAM.**

5 “(a) *DEFINITIONS.—In this section:*

6 “(1) *APPROPRIATE COMMITTEES OF CON-*
7 *GRESS.—The term ‘appropriate committees of Con-*
8 *gress’ means—*

9 “(A) *the Committee on Commerce, Science,*
10 *and Transportation, the Committee on Environ-*
11 *ment and Public Works, and the Committee on*
12 *Appropriations of the Senate; and*

13 “(B) *the Committee on Science, Space, and*
14 *Technology, the Committee on Transportation*
15 *and Infrastructure, and the Committee on Ap-*
16 *propriations of the House of Representatives.*

17 “(2) *COOPERATIVE EXTENSION.—The term ‘coop-*
18 *erative extension’ has the meaning given the term ‘ex-*
19 *tension’ in section 1404 of the Food and Agriculture*
20 *Act of 1977 (7 U.S.C. 3103).*

21 “(3) *KEY TECHNOLOGY FOCUS AREAS.—The term*
22 *‘key technology focus areas’ means the areas included*
23 *on the most recent list under section 2005 of the End-*
24 *less Frontier Act.*

1 “(4) *LABOR ORGANIZATION.*—*The term ‘labor or-*
2 *ganization’ has the meaning given such term in sec-*
3 *tion 2101 of the Endless Frontier Act.*

4 “(5) *LOW POPULATION STATE.*—*The term ‘low*
5 *population State’ means a State without an urban-*
6 *ized area with a population greater than 200,000 as*
7 *reported in the 2010 decennial census.*

8 “(6) *MANUFACTURING EXTENSION CENTER.*—*The*
9 *term ‘manufacturing extension center’ has the mean-*
10 *ing given the term ‘Center’ in section 25(a) of the Na-*
11 *tional Institute of Standards and Technology Act (15*
12 *U.S.C. 278k(a)).*

13 “(7) *MANUFACTURING USA INSTITUTE.*—*The*
14 *term ‘Manufacturing USA institute’ means an Manu-*
15 *facturing USA institute described in section 34(d) of*
16 *the National Institute of Standards and Technology*
17 *Act (15 U.S.C. 278s(d)).*

18 “(8) *SITE CONNECTIVITY INFRASTRUCTURE.*—
19 *The term ‘site connectivity infrastructure’ means lo-*
20 *calized driveways and access roads to a facility as*
21 *well as hookups to the new facility for drinking*
22 *water, waste water, broadband, and other basic infra-*
23 *structure services already present in the area.*

24 “(9) *SMALL AND RURAL COMMUNITIES.*—*The*
25 *term ‘small and rural community’ means a noncore*

1 *area, a micropolitan area, or a small metropolitan*
2 *statistical area with a population of not more than*
3 *200,000.*

4 “(10) *VENTURE DEVELOPMENT ORGANIZATION.*—
5 *The term ‘venture development organization’ has the*
6 *meaning given such term in section 27(a) of the Ste-*
7 *venson-Wydler Act of 1980 (15 U.S.C. 3722(a)).*

8 “(b) *REGIONAL TECHNOLOGY HUB PROGRAM.*—

9 “(1) *IN GENERAL.*—*Subject to the availability of*
10 *appropriations, the Secretary shall carry out a pro-*
11 *gram—*

12 “(A) *to encourage new and constructive col-*
13 *laboration among local, State, and Federal gov-*
14 *ernment entities, academia, the private sector,*
15 *economic development organizations, and labor*
16 *organizations;*

17 “(B) *to support eligible consortia in the cre-*
18 *ation of regional innovation strategies;*

19 “(C) *to designate eligible consortia as re-*
20 *gional technology hubs and facilitate activities*
21 *by consortia designated as regional technology*
22 *hubs in implementing their regional innovation*
23 *strategies, in order—*

1 “(i) to enable United States leadership
2 in technology and innovation sectors crit-
3 ical to national and economic security;

4 “(ii) to support regional economic de-
5 velopment, including in small cities and
6 rural areas, and diffuse innovation around
7 the United States; and

8 “(iii) to support domestic job creation
9 and broad-based economic growth; and

10 “(D) to ensure that the regional technology
11 hubs address the intersection of emerging tech-
12 nologies and either local and regional challenges
13 or national challenges; and

14 “(E) to conduct ongoing research, evalua-
15 tion, analysis, and dissemination of best prac-
16 tices for regional development and competitive-
17 ness in technology and innovation.

18 “(2) AWARDS.—The Secretary shall carry out
19 the program required by paragraph (1) through the
20 award of the following:

21 “(A) Strategy development grants or cooper-
22 ative agreements to eligible consortia under sub-
23 section (e).

1 “(B) *Strategy implementation grants or co-*
2 *operative agreements to regional technology hubs*
3 *under subsection (f).*

4 “(3) *ADMINISTRATION.—The Secretary shall*
5 *carry out this section through the Assistant Secretary*
6 *of Commerce for Economic Development in coordina-*
7 *tion with the Under Secretary of Commerce for*
8 *Standards and Technology.*

9 “(c) *ELIGIBLE CONSORTIA.—For purposes of this sec-*
10 *tion, an eligible consortium is a consortium that—*

11 “(1) *includes 1 or more—*

12 “(A) *institutions of higher education;*

13 “(B) *local or Tribal governments or other*
14 *political subdivisions of a State;*

15 “(C) *State governments represented by an*
16 *agency designated by the governor of the State or*
17 *States that is representative of the geographic*
18 *area served by the consortia;*

19 “(D) *economic development organizations or*
20 *similar entities that are focused primarily on*
21 *improving science, technology, innovation, or en-*
22 *trepreneurship;*

23 “(E) *industry or firms in relevant tech-*
24 *nology or innovation sectors;*

1 “(F) labor organizations or workforce train-
2 ing organizations, including State and local
3 workforce development boards as established
4 under section 101 and 107 of the Workforce In-
5 vestment and Opportunity Act (29 U.S.C. 3111;
6 3122); and

7 “(2) may include 1 or more—

8 “(A) nonprofit economic development enti-
9 ties with relevant expertise, including a district
10 organization (as defined in section 300.3 of title
11 13, Code of Federal Regulations, or successor reg-
12 ulation);

13 “(B) venture development organizations;

14 “(C) financial institutions and investment
15 funds;

16 “(D) primary and secondary educational
17 institutions, including career and technical edu-
18 cation schools;

19 “(E) National Laboratories (as defined in
20 section 2 of the Energy Policy Act of 2005 (42
21 U.S.C. 15801));

22 “(F) Federal laboratories;

23 “(G) Manufacturing extension centers;

24 “(H) Manufacturing USA institutes;

1 “(I) institutions receiving an award under
2 section 2104 of the *Endless Frontier Act*; and

3 “(J) a cooperative extension.

4 “(d) *DESIGNATION OF REGIONAL TECHNOLOGY*
5 *HUBS.*—

6 “(1) *IN GENERAL.*—*In carrying out subsection*
7 *(b)(1)(C), the Secretary shall use a competitive proc-*
8 *ess to designate eligible consortia as regional tech-*
9 *nology hubs.*

10 “(2) *GEOGRAPHIC DISTRIBUTION.*—*In con-*
11 *ducting the competitive process under paragraph (1),*
12 *the Secretary shall ensure geographic distribution in*
13 *the designation of regional technology hubs by—*

14 “(A) *seeking to designate at least three tech-*
15 *nology hubs in each region covered by a regional*
16 *office of the Economic Development Administra-*
17 *tion;*

18 “(B) *focusing on localities that are not lead-*
19 *ing technology centers;*

20 “(C) *ensuring that not fewer than one-third*
21 *of eligible consortia designated as regional tech-*
22 *nology hubs significantly benefit a small and*
23 *rural community, which may include a State de-*
24 *scribed in subparagraph (D);*

1 “(D) ensuring that not fewer than one-third
2 of eligible consortia designated as regional tech-
3 nology hubs include as a member of the eligible
4 consortia at least 1 member that is a State that
5 is eligible to receive funding from the Established
6 Program to Stimulate Competitive Research of
7 the National Science Foundation; and

8 “(E) ensuring that at least one eligible con-
9 sortium designated as a regional technology hub
10 is headquartered in a low population State that
11 is eligible to receive funding from the Established
12 Program to Stimulate Competitive Research of
13 the National Science Foundation.

14 “(3) RELATION TO CERTAIN GRANT AWARDS.—

15 *The Secretary shall not require an eligible consortium*
16 *to receive a grant or cooperative agreement under*
17 *subsection (e) in order to be designated as a regional*
18 *technology hub under paragraph (1) of this sub-*
19 *section.*

20 “(e) STRATEGY DEVELOPMENT GRANTS AND COOPER-
21 ATIVE AGREEMENTS.—

22 “(1) IN GENERAL.—*The Secretary shall use a*
23 *competitive process to award grants or cooperative*
24 *agreements to eligible consortia for the development of*
25 *regional innovation strategies.*

1 “(2) *NUMBER OF RECIPIENTS.*—*The Secretary*
2 *shall award a grant or cooperative agreement under*
3 *paragraph (1) to not fewer than 20 eligible consortia.*

4 “(3) *GEOGRAPHIC DIVERSITY AND REPRESENTA-*
5 *TION.*—

6 “(A) *IN GENERAL.*—*The Secretary shall*
7 *carry out paragraph (1) in a manner that en-*
8 *sure geographic diversity and representation*
9 *from communities of differing populations.*

10 “(B) *AWARDS TO SMALL AND RURAL COM-*
11 *MUNITIES.*—*In carrying out paragraph (1), the*
12 *Secretary shall—*

13 “(i) *award not fewer than one-third of*
14 *the grants and cooperative agreements*
15 *under such paragraph to eligible consortia*
16 *that significantly benefit a small and rural*
17 *community, which may include a State de-*
18 *scribed in clause (ii); and*

19 “(ii) *award not fewer than one-third of*
20 *the grants and cooperative agreements*
21 *under such paragraph to eligible consortia*
22 *that include as a member of the eligible con-*
23 *sortia at least 1 member that is a State that*
24 *is eligible to receive funding from the Estab-*
25 *lished Program to Stimulate Competitive*

1 *Research of the National Science Founda-*
2 *tion.*

3 “(4) *USE OF FUNDS.*—*The amount of a grant or*
4 *cooperative agreement awarded under paragraph (1)*
5 *shall be as follows:*

6 “(A) *To coordinate locally defined planning*
7 *processes, across jurisdictions and agencies, re-*
8 *lating to developing a comprehensive regional*
9 *technology strategy.*

10 “(B) *To identify regional partnerships for*
11 *developing and implementing a comprehensive*
12 *regional technology strategy.*

13 “(C) *To conduct or update assessments to*
14 *determine regional needs.*

15 “(D) *To develop or update goals and strate-*
16 *gies to implement an existing comprehensive re-*
17 *gional plan.*

18 “(E) *To identify or implement local zoning*
19 *and other code changes necessary to implement a*
20 *comprehensive regional technology strategy.*

21 “(5) *FEDERAL SHARE.*—*The Federal share of the*
22 *cost of an effort carried out using a grant or coopera-*
23 *tive agreement awarded under this subsection may*
24 *not exceed 80 percent—*

1 “(A) where in-kind contributions may be
2 used for all or part of the non-Federal share, but
3 Federal funding from other Government sources
4 may not count towards the non-Federal share;

5 “(B) except in the case of an eligible consor-
6 tium that represents all or part of a small and
7 rural community, the Federal share may be up
8 to 90 percent of the total cost, subject to subpara-
9 graph (A); and

10 “(C) except in the case of an eligible consor-
11 tium that is led by a Tribal government, the
12 Federal share may be up to 100 percent of the
13 total cost of the project.

14 “(f) STRATEGY IMPLEMENTATION GRANTS AND COOP-
15 ERATIVE AGREEMENTS.—

16 “(1) IN GENERAL.—The Secretary shall use a
17 competitive process to award grants or cooperative
18 agreements to regional technology hubs for the imple-
19 mentation of regional innovation strategies, including
20 regional strategies for infrastructure and site develop-
21 ment, in support of the regional technology hub’s
22 plans and programs.

23 “(2) USE OF FUNDS.—The amount of a grant or
24 cooperative agreement awarded under subparagraph
25 (A) to a regional technology hub may be used by the

1 regional technology hub to support any of the fol-
2 lowing activities, consistent with the most current re-
3 gional innovation strategy of the regional technology
4 hub:

5 “(A) *WORKFORCE DEVELOPMENT ACTIVITIES.—Workforce development activities, includ-*
6 *ing activities relating to the following:*

8 “(i) *The creation of partnerships be-*
9 *tween industry, workforce, and academic*
10 *groups, which may include community col-*
11 *leges, to create and align technical training*
12 *and educational programs.*

13 “(ii) *The design, development, and up-*
14 *dating of educational and training cur-*
15 *riculum.*

16 “(iii) *The procurement of facilities and*
17 *equipment, as required to train a technical*
18 *workforce.*

19 “(iv) *The development and execution of*
20 *programs to rapidly award certificates or*
21 *credentials recognized by regional industry*
22 *groups.*

23 “(v) *The matching of regional employ-*
24 *ers with a potential new entrant, under-*
25 *employed, or incumbent workforce.*

1 “(vi) *The expansion of successful train-*
2 *ing programs at a scale required by the re-*
3 *gion served by the regional technology hub,*
4 *including through the use of online edu-*
5 *cation.*

6 “(B) *BUSINESS AND ENTREPRENEUR DE-*
7 *VELOPMENT ACTIVITIES.—Business and entre-*
8 *preneur development activities, including activi-*
9 *ties relating to the following:*

10 “(i) *The development and growth of re-*
11 *gional businesses and the training of entre-*
12 *preneurs.*

13 “(ii) *The support of technology com-*
14 *mercialization, including funding for ac-*
15 *tivities relevant to the protection of intellec-*
16 *tual property.*

17 “(iii) *The development of networks for*
18 *business and entrepreneur mentorship.*

19 “(C) *TECHNOLOGY MATURATION ACTIVI-*
20 *TIES.—Technology maturation activities, includ-*
21 *ing activities relating to the following:*

22 “(i) *The development and deployment*
23 *of technologies in sectors critical to the re-*
24 *gion served by the regional technology hub*
25 *or to national and economic security, in-*

1 cluding proof of concept, prototype develop-
2 ment, and testing.

3 “(ii) *The provision of facilities for*
4 *technology maturation, including incuba-*
5 *tors for collaborative development of tech-*
6 *nologies by private sector, academic, and*
7 *other entities.*

8 “(iii) *Activities to ensure access to cap-*
9 *ital for new business formation and busi-*
10 *ness expansion, including by attracting new*
11 *private, public, and philanthropic invest-*
12 *ment and by establishing regional venture*
13 *and loan funds.*

14 “(iv) *Activities determined appropriate*
15 *by the Secretary under section 27(c)(2) of*
16 *this Act.*

17 “(D) *INFRASTRUCTURE-RELATED ACTIVI-*
18 *TIES.—The building of facilities and site*
19 *connectivity infrastructure necessary to carry*
20 *out activities described in subparagraphs (A),*
21 *(B), and (C), including activities relating to the*
22 *following:*

23 “(i) *Establishing a workforce training*
24 *center with required tools and instrumenta-*
25 *tion.*

1 “(ii) *Establishing a facility for tech-*
2 *nology development, demonstration, and*
3 *testing.*

4 “(iii) *Establishing collaborative incu-*
5 *bators to support technology commercializa-*
6 *tion and entrepreneur training.*

7 “(3) *LIMITATION ON AMOUNT OF AWARDS.—The*
8 *Secretary shall ensure that no single regional tech-*
9 *nology hub receives more than 10 percent of the aggre-*
10 *gate amount of the grants and cooperative agreements*
11 *awarded under this subsection.*

12 “(4) *TERM.—*

13 “(A) *IN GENERAL.—The term of a grant or*
14 *cooperative agreement awarded under this sub-*
15 *section shall be for such period as the Secretary*
16 *considers appropriate.*

17 “(B) *RENEWAL.—The Secretary may renew*
18 *a grant or cooperative agreement awarded to a*
19 *regional technology hub under this subsection as*
20 *the Secretary considers appropriate if the Sec-*
21 *retary determines that the performance of the re-*
22 *gional technology hub is satisfactory.*

23 “(5) *MATCHING REQUIRED.—*

24 “(A) *IN GENERAL.—Except in the case of a*
25 *regional technology hub described in subpara-*

1 *graph (B), the total amount of all grants award-*
2 *ed to a regional technology hub under this sub-*
3 *section in a given year shall not exceed amounts*
4 *as follows:*

5 “(i) *In the first year of the grant or co-*
6 *operative agreement, 90 percent of the total*
7 *operating costs of the regional technology*
8 *hub in that year.*

9 “(ii) *In the second year of the grant or*
10 *cooperative agreement, 85 percent of the*
11 *total operating costs of the regional tech-*
12 *nology hub in that year.*

13 “(iii) *In the third year of the grant or*
14 *cooperative agreement, 80 percent of the*
15 *total operating costs of the regional tech-*
16 *nology hub in that year.*

17 “(iv) *In the fourth year of the grant or*
18 *cooperative agreement and each year there-*
19 *after, 75 percent of the total operating costs*
20 *of the regional technology hub in that year.*

21 “(B) *SMALL AND RURAL COMMUNITIES AND*
22 *INDIAN TRIBES.—*

23 “(i) *IN GENERAL.—The total Federal*
24 *financial assistance awarded in a given*
25 *year to a regional technology hub under this*

1 *subsection shall not exceed amounts as fol-*
2 *lows:*

3 *“(I) In the case of a regional tech-*
4 *nology hub that represents a small and*
5 *rural community, in a fiscal year, 90*
6 *percent of the total funding of the re-*
7 *gional technology hub in that fiscal*
8 *year.*

9 *“(II) In the case of an regional*
10 *technology hub that is led by a Tribal*
11 *government, in a fiscal year, 100 per-*
12 *cent of the total funding of the regional*
13 *technology hub in that fiscal year.*

14 *“(i) MINIMUM THRESHOLD OF RURAL*
15 *REPRESENTATION.—For purposes of clause*
16 *(i)(I), the Secretary shall establish a min-*
17 *imum threshold of rural representation in*
18 *the regional technology hub.*

19 *“(C) IN-KIND CONTRIBUTIONS.—For pur-*
20 *poses of this paragraph, in-kind contributions*
21 *may be used for part of the non-Federal share of*
22 *the total funding of a regional technology hub in*
23 *a fiscal year.*

24 *“(6) GRANTS FOR INFRASTRUCTURE.—Any*
25 *grant or cooperative agreement awarded under this*

1 *subsection to support the construction of facilities and*
2 *site connectivity infrastructure shall be awarded pur-*
3 *suant to section 201 of the Public Works and Eco-*
4 *nomic Development Act of 1965 (42 U.S.C. 3141) and*
5 *subject to the provisions of such Act, except that sub-*
6 *section (b) of such section and sections 204 and 301*
7 *of such Act (42 U.S.C. 3144, 3161) shall not apply.*

8 *“(7) RELATION TO CERTAIN GRANT AWARDS.—*
9 *The Secretary shall not require a regional technology*
10 *hub to receive a grant or cooperative agreement under*
11 *subsection (e) in order to receive a grant or coopera-*
12 *tive agreement under this subsection.*

13 *“(g) APPLICATIONS.—An eligible consortium seeking*
14 *designation as a regional technology hub under subsection*
15 *(d) or a grant or cooperative agreement under subsection*
16 *(e) or (f) shall submit to the Secretary an application there-*
17 *for at such time, in such manner, and containing such in-*
18 *formation as the Secretary may specify.*

19 *“(h) CONSIDERATIONS FOR DESIGNATION AND AWARD*
20 *OF STRATEGY DEVELOPMENT GRANTS AND COOPERATIVE*
21 *AGREEMENTS.—In selecting an eligible consortium that*
22 *submitted an application under subsection (g) for designa-*
23 *tion under subsection (d) or for a grant or cooperative*
24 *agreement under subsection (f), the Secretary shall consider,*
25 *at a minimum, the following:*

1 “(1) *The potential of the eligible consortium to*
2 *advance the research, development, deployment, and*
3 *domestic manufacturing of technologies in a key tech-*
4 *nology focus area or other technology or innovation*
5 *sector critical to national and economic security.*

6 “(2) *The likelihood of positive regional economic*
7 *effect, including increasing the number of high wage*
8 *domestic jobs, and creating new economic opportuni-*
9 *ties for economically disadvantaged and underrep-*
10 *resented populations.*

11 “(3) *How the eligible consortium plans to inte-*
12 *grate with and leverage the resources of 1 or more fed-*
13 *erally funded research and development centers, Na-*
14 *tional Laboratories, Federal laboratories, Manufac-*
15 *turing USA institutes, Hollings Manufacturing Ex-*
16 *tension Partnership centers, university technology*
17 *centers established under section 2104 of the Endless*
18 *Frontier Act, the program established under section*
19 *2107 of the such Act, test beds established and oper-*
20 *ated under section 2108 of such Act, or other Federal*
21 *research entities.*

22 “(4) *How the eligible consortium will engage*
23 *with the private sector, including small- and me-*
24 *dium-sized businesses to commercialize new tech-*
25 *nologies and improve the resiliency of domestic sup-*

1 *ply chains in a key technology focus area or other*
2 *technology or innovation sector critical to national*
3 *and economic security.*

4 “(5) *How the eligible consortium will carry out*
5 *workforce development and skills acquisition pro-*
6 *gramming, including through partnerships with enti-*
7 *ties that include State and local workforce develop-*
8 *ment boards, institutions of higher education, includ-*
9 *ing community colleges, historically Black colleges*
10 *and universities, Tribal colleges and universities, and*
11 *minority serving institutions, labor organizations,*
12 *and workforce development programs, and other re-*
13 *lated activities authorized by the Secretary, to sup-*
14 *port the development of a key technology focus area*
15 *or other technology or innovation sector critical to na-*
16 *tional and economic security.*

17 “(6) *How the eligible consortium will improve*
18 *science, technology, engineering, and mathematics*
19 *education programs in the identified region in ele-*
20 *mentary and secondary school and higher education*
21 *institutions located in the identified region to support*
22 *the development of a key technology focus area or*
23 *other technology or innovation sector critical to na-*
24 *tional and economic security.*

1 “(7) *How the eligible consortium plans to de-*
2 *velop partnerships with venture development organi-*
3 *zations and sources of private investment in support*
4 *of private sector activity, including launching new or*
5 *expanding existing companies, in a key technology*
6 *focus area or other technology or innovation sector*
7 *critical to national and economic security.*

8 “(8) *How the eligible consortium plans to orga-*
9 *nize the activities of regional partners across sectors*
10 *in support of a regional technology hub.*

11 “(9) *How the eligible consortium will ensure that*
12 *growth in technology and innovation sectors produces*
13 *broadly shared opportunity across the identified re-*
14 *gion, including for economic disadvantaged and*
15 *underrepresented populations and rural areas.*

16 “(10) *The likelihood efforts served by the consor-*
17 *tium will be sustained once Federal support ends.*

18 “(11) *How the eligible consortium will—*

19 “(A) *enhance the economic, environmental,*
20 *and energy security of the United States by pro-*
21 *moting domestic development, manufacture, and*
22 *deployment of innovative clean technologies and*
23 *advanced manufacturing practices; and*

24 “(B) *support translational research, tech-*
25 *nology development, manufacturing innovation,*

1 *and commercialization activities relating to*
2 *clean technology.*

3 “(i) *COORDINATION AND COLLABORATION.*—

4 “(1) *COORDINATION WITH REGIONAL INNOVATION*
5 *PROGRAM.*—*The Secretary shall work to ensure the*
6 *activities under this section do not duplicate activi-*
7 *ties or efforts under section 27, as the Secretary con-*
8 *siders appropriate.*

9 “(2) *COORDINATION WITH PROGRAMS OF THE*
10 *NATIONAL INSTITUTE OF STANDARDS AND TECH-*
11 *NOLOGY.*—*The Secretary shall coordinate the activi-*
12 *ties of regional technology hubs designated under this*
13 *section, the Hollings Manufacturing Extension Part-*
14 *nership, and the Manufacturing USA Program, as*
15 *the Secretary considers appropriate, to maintain the*
16 *effectiveness of a manufacturing extension center or a*
17 *Manufacturing USA institute.*

18 “(3) *COORDINATION WITH DEPARTMENT OF EN-*
19 *ERGY PROGRAMS.*—*The Secretary shall, in collabora-*
20 *tion with the Secretary of Energy, coordinate the ac-*
21 *tivities and selection of regional technology hubs des-*
22 *ignated under this section, as the Secretaries consider*
23 *appropriate, to maintain the effectiveness of activities*
24 *at the Department of Energy and the National Lab-*
25 *oratories.*

1 “(4) *INTERAGENCY COLLABORATION.*—*In design-*
2 *ating regional technology hubs under subsection (d)*
3 *and awarding grants or cooperative agreements under*
4 *subsection (f), the Secretary—*

5 “(A) *shall collaborate, to the extent possible,*
6 *with the interagency working group established*
7 *under section 2004 of the Endless Frontier Act;*

8 “(B) *shall collaborate with Federal depart-*
9 *ments and agencies whose missions contribute to*
10 *the goals of the regional technology hub;*

11 “(C) *shall consult with the Director of the*
12 *National Science Foundation for the purpose of*
13 *ensuring that the regional technology hubs are*
14 *aligned with relevant science, technology, and en-*
15 *gineering expertise; and*

16 “(D) *may accept funds from other Federal*
17 *agencies to support grants, cooperative agree-*
18 *ments, and activities under this section.*

19 “(j) *PERFORMANCE MEASUREMENT, TRANSPARENCY,*
20 *AND ACCOUNTABILITY.—*

21 “(1) *METRICS, STANDARDS, AND ASSESSMENT.—*
22 *For each grant and cooperative agreement awarded*
23 *under subsection (f) for a regional technology hub, the*
24 *Secretary shall—*

1 “(A) develop metrics, which may include
2 metrics relating to domestic job creation, patent
3 awards, and business formation and expansion,
4 to assess the effectiveness of the activities funded
5 in making progress toward the purposes set forth
6 under subsection (b)(1);

7 “(B) establish standards for the perform-
8 ance of the regional technology hub that are
9 based on the metrics developed under subpara-
10 graph (A); and

11 “(C) 4 years after the initial award under
12 subsection (f) and every 2 years thereafter until
13 Federal financial assistance under this section
14 for the regional technology hub is discontinued,
15 conduct an assessment of the regional technology
16 hub to confirm whether the performance of the
17 regional technology hub is meeting the standards
18 for performance established under subparagraph
19 (B) of this paragraph.

20 “(2) FINAL REPORTS BY RECIPIENTS OF STRAT-
21 EGY IMPLEMENTATION GRANTS AND COOPERATIVE
22 AGREEMENTS.—

23 “(A) IN GENERAL.—The Secretary shall re-
24 quire each eligible consortium that receives a
25 grant or cooperative agreement under subsection

1 *(f) for activities of a regional technology hub, as*
2 *a condition of receipt of such grant or coopera-*
3 *tive agreement, to submit to the Secretary, not*
4 *later than 120 days after the last day of the term*
5 *of the grant or cooperative agreement, a report*
6 *on the activities of the regional technology hub*
7 *supported by the grant or cooperative agreement.*

8 “(B) *CONTENTS OF REPORT.*—*Each report*
9 *submitted by an eligible consortium under sub-*
10 *paragraph (A) shall include the following:*

11 “(i) *A detailed description of the ac-*
12 *tivities carried out by the regional tech-*
13 *nology hub using the grant or cooperative*
14 *agreement described in subparagraph (A),*
15 *including the following:*

16 “(I) *A description of each project*
17 *the regional technology hub completed*
18 *using such grant or cooperative agree-*
19 *ment.*

20 “(II) *An explanation of how each*
21 *project described in subclause (I)*
22 *achieves a specific goal under this sec-*
23 *tion in the region of the regional tech-*
24 *nology hub with respect to—*

1 “(aa) the resiliency of a sup-
2 ply chain;

3 “(bb) research, development,
4 and deployment of a critical tech-
5 nology;

6 “(cc) workforce training and
7 development;

8 “(dd) domestic job creation;
9 or

10 “(ee) entrepreneurship.

11 “(ii) A discussion of any obstacles en-
12 countered by the regional technology hub in
13 the implementation of the regional tech-
14 nology hub and how the regional technology
15 hub overcame those obstacles.

16 “(iii) An evaluation of the success of
17 the projects of the regional technology hub
18 using the performance standards and meas-
19 ures established under paragraph (1), in-
20 cluding an evaluation of the planning proc-
21 ess and how the project contributes to car-
22 rying out the regional innovation strategy
23 of the regional technology hub.

24 “(iv) The effectiveness of the regional
25 technology hub in ensuring that, in the re-

1 *gion of the regional technology hub, growth*
2 *in technology and innovation sectors pro-*
3 *duces broadly shared opportunity across the*
4 *region, including for economic disadvan-*
5 *tagged and underrepresented populations*
6 *and rural areas.*

7 *“(v) Information regarding such other*
8 *matters as the Secretary may require.*

9 *“(3) INTERIM REPORTS BY RECIPIENTS OF*
10 *GRANTS AND COOPERATIVE AGREEMENTS.—In addi-*
11 *tion to requiring submittal of final reports under*
12 *paragraph (2)(A), the Secretary may require a re-*
13 *gional technology hub described in such paragraph to*
14 *submit to the Secretary such interim reports as the*
15 *Secretary considers appropriate.*

16 *“(4) ANNUAL REPORTS TO CONGRESS.—Not less*
17 *frequently than once each year, the Secretary shall*
18 *submit to the appropriate committees of Congress an*
19 *annual report on the results of the assessments con-*
20 *ducted by the Secretary under paragraph (1)(C) dur-*
21 *ing the period covered by the report.*

22 *“(k) AUTHORIZATION OF APPROPRIATIONS.—There is*
23 *authorized to be appropriated to the Secretary, for the pe-*
24 *riod of fiscal years 2022 through 2026—*

1 “(1) \$9,425,000,000 to award grants and cooper-
2 ative agreements under subsection (f); and

3 “(2) \$575,000,000 to award grants and cooper-
4 ative agreements under subsection (e).”.

5 (b) *INITIAL DESIGNATIONS AND AWARDS.*—

6 (1) *COMPETITION REQUIRED.*—Not later than
7 180 days after the date of the enactment of this divi-
8 sion, the Secretary of Commerce shall commence a
9 competition under subsection (d)(1) of section 28 of
10 the Stevenson-Wydler Technology Innovation Act of
11 1980 (Public Law 96–480), as added by subsection
12 (a).

13 (2) *DESIGNATION AND AWARD.*—Not later than 1
14 year after the date of the enactment of this division,
15 if the Secretary has received at least 1 application
16 under subsection (g) of such section from an eligible
17 consortium whom the Secretary considers suitable for
18 designation under subsection (d)(1) of such section,
19 the Secretary shall—

20 (A) designate at least 1 regional technology
21 hub under subsection (d)(1) of such section; and

22 (B) award a grant or cooperative agreement
23 under subsection (f)(1) of such section to each re-
24 gional technology hub designated pursuant to
25 subparagraph (A) of this paragraph.

1 **SEC. 2402. MANUFACTURING USA PROGRAM.**

2 (a) *DEFINITIONS.—In this section:*

3 (1) *HISTORICALLY BLACK COLLEGE OR UNIVER-*
4 *SITY.—The term “historically Black college or univer-*
5 *sity” has the meaning given the term “part B institu-*
6 *tion” in section 322 of the Higher Education Act of*
7 *1965 (20 U.S.C. 1061).*

8 (2) *MANUFACTURING USA INSTITUTE.—The term*
9 *“Manufacturing USA institute” means an institute*
10 *described in section 34(d) of the National Institute of*
11 *Standards and Technology Act (15 U.S.C. 278s(d)).*

12 (3) *MANUFACTURING USA NETWORK.—The term*
13 *“Manufacturing USA Network” means the network*
14 *established under section 34(c) of the National Insti-*
15 *tute of Standards and Technology Act (15 U.S.C.*
16 *278s(c)).*

17 (4) *MANUFACTURING USA PROGRAM.—The term*
18 *“Manufacturing USA Program” means the program*
19 *established under section 34(b)(1) of the National In-*
20 *stitute of Standards and Technology Act (15 U.S.C.*
21 *278s(b)(1)).*

22 (5) *MINORITY-SERVING INSTITUTION.—The term*
23 *“minority-serving institution” means an eligible in-*
24 *stitution described in section 371(a) of the Higher*
25 *Education Act of 1965 (20 U.S.C. 1067q(a)).*

1 (6) *NATIONAL PROGRAM OFFICE*.—*The term*
2 *“National Program Office” means the National Pro-*
3 *gram Office established under section 34(h)(1) of the*
4 *National Institute of Standards and Technology Act*
5 *(15 U.S.C. 278s(h)(1)).*

6 (7) *TRIBAL COLLEGE OR UNIVERSITY*.—*The term*
7 *“Tribal college or university” has the meaning given*
8 *the term in section 316(b)(3) of the Higher Education*
9 *Act of 1965 (20 U.S.C. 1059c(b)(3)).*

10 (b) *AUTHORIZATION OF APPROPRIATIONS TO EN-*
11 *HANCE AND EXPAND MANUFACTURING USA PROGRAM AND*
12 *SUPPORT INNOVATION AND GROWTH IN DOMESTIC MANU-*
13 *FACTURING*.—*There is authorized to be appropriated*
14 *\$1,200,000,000 for the period of fiscal years 2022 through*
15 *2026 for the Secretary of Commerce, acting through the Di-*
16 *rector of the National Institute of Standards and Tech-*
17 *nology and in consultation with the Secretary of Energy,*
18 *the Secretary of Defense, and the heads of such other Federal*
19 *agencies as the Secretary of Commerce considers relevant—*

20 (1) *to carry out the Manufacturing USA Pro-*
21 *gram, including by awarding financial assistance*
22 *under section 34(e) of the National Institute of Stand-*
23 *ards and Technology Act (15 U.S.C. 278s(e)) for*
24 *Manufacturing USA institutes that were in effect on*

1 *the day before the date of the enactment of this divi-*
2 *sion; and*

3 *(2) to expand such program to support innova-*
4 *tion and growth in domestic manufacturing.*

5 *(c) DIVERSITY PREFERENCES.—Section 34(e) of the*
6 *National Institute of Standards and Technology Act (15*
7 *U.S.C. 278s(e)) is amended by adding at the end the fol-*
8 *lowing:*

9 *“(8) DIVERSITY PREFERENCES.—In awarding fi-*
10 *nancial assistance under paragraph (1) for planning*
11 *or establishing a Manufacturing USA institute, an*
12 *agency head shall prioritize Manufacturing USA in-*
13 *stitutes that—*

14 *“(A) contribute to the geographical diversity*
15 *of the Manufacturing USA Program;*

16 *“(B) are located in an area with a low per*
17 *capita income; and*

18 *“(C) are located in an area with a high*
19 *proportion of socially disadvantaged residents.”.*

20 *(d) COORDINATION BETWEEN MANUFACTURING USA*
21 *PROGRAM AND HOLLINGS MANUFACTURING EXTENSION*
22 *PARTNERSHIP.—The Secretary shall facilitate the coordina-*
23 *tion of the activities of the Manufacturing USA Program*
24 *and the activities of Hollings Manufacturing Extension*
25 *Partnership with each other to the degree that doing so does*

1 *not diminish the effectiveness of the ongoing activities of*
2 *a Manufacturing USA institute or a Center (as the term*
3 *is defined in section 25(a) of the National Institute of*
4 *Standards and Technology Act (15 U.S.C. 278k(a)), includ-*
5 *ing Manufacturing USA institutes entering into agreements*
6 *with a Center (as so defined) that the Secretary considers*
7 *appropriate to provide services relating to the mission of*
8 *the Hollings Manufacturing Extension Partnership, includ-*
9 *ing outreach, technical assistance, workforce development,*
10 *and technology transfer and adoption assistance to small-*
11 *and medium-sized manufacturers.*

12 *(e) ADVICE FROM THE NATIONAL MANUFACTURING*
13 *ADVISORY COUNCIL.—The Secretary shall seek advice from*
14 *the National Manufacturing Advisory Council on matters*
15 *concerning investment in and support of the manufacturing*
16 *workforce within the Manufacturing USA Program, includ-*
17 *ing those matters covered under section 2404(d)(7).*

18 *(f) PARTICIPATION OF MINORITY-SERVING INSTITU-*
19 *TIONS, HISTORICALLY BLACK COLLEGES AND UNIVER-*
20 *SITIES, AND TRIBAL COLLEGES AND UNIVERSITIES.—*

21 *(1) IN GENERAL.—The Secretary of Commerce,*
22 *in consultation with the Secretary of Energy, the Sec-*
23 *retary of Defense, and the heads of such other Federal*
24 *agencies as the Secretary of Commerce considers rel-*
25 *evant, shall coordinate with existing and new Manu-*

1 *facturing USA institutes to integrate covered entities*
 2 *as active members of the Manufacturing USA insti-*
 3 *tutes, including through the development of pref-*
 4 *erences in selection criteria for proposals to create*
 5 *new Manufacturing USA institutes or renew existing*
 6 *Manufacturing USA institutes that are led by a cov-*
 7 *ered entity.*

8 (2) *COVERED ENTITIES.*—*For purposes of this*
 9 *subsection, a covered entity is—*

10 (A) *a minority-serving institution;*

11 (B) *an historically Black college or univer-*
 12 *sity;*

13 (C) *a Tribal college or university; or*

14 (D) *a minority business enterprise (as de-*
 15 *defined in section 1400.2 of title 15, Code of Fed-*
 16 *eral Regulations, or successor regulation).*

17 (g) *DEPARTMENT OF COMMERCE POLICIES TO PRO-*
 18 *MOTE DOMESTIC PRODUCTION OF TECHNOLOGIES DEVEL-*
 19 *OPED UNDER MANUFACTURING USA PROGRAM.—*

20 (1) *POLICIES.*—

21 (A) *IN GENERAL.*—*Each agency head (as*
 22 *defined in section 34(a) of the National Institute*
 23 *of Standards and Technology Act (15 U.S.C.*
 24 *278s(a))) and the Secretary of Defense shall, in*
 25 *consultation with the Secretary of Commerce, es-*

1 *tablish policies to promote the domestic produc-*
2 *tion of technologies developed by the Manufac-*
3 *turing USA Network.*

4 *(B) ELEMENTS.—The policies developed*
5 *under subparagraph (A) shall include the fol-*
6 *lowing:*

7 *(i) Measures to partner domestic devel-*
8 *opers of goods, services, or technologies by*
9 *Manufacturing USA Network activities*
10 *with domestic manufacturers and sources of*
11 *financing.*

12 *(ii) Measures to develop and provide*
13 *incentives to promote transfer of intellectual*
14 *property and goods, services, or technologies*
15 *developed by Manufacturing USA Network*
16 *activities to domestic manufacturers.*

17 *(iii) Measures to assist with supplier*
18 *scouting and other supply chain develop-*
19 *ment, including the use of the Hollings*
20 *Manufacturing Extension Partnership to*
21 *carry out such measures.*

22 *(iv) A process to review and approve*
23 *or deny membership in a Manufacturing*
24 *USA institute by foreign-owned companies,*

1 especially from countries of concern, includ-
2 ing the People’s Republic of China.

3 (v) Measures to prioritize Federal pro-
4 curement of goods, services, or technologies
5 developed by the Manufacturing USA Net-
6 work activities from domestic sources, as
7 appropriate.

8 (C) PROCESSES FOR WAIVERS.—The poli-
9 cies established under this paragraph shall in-
10 clude processes to permit waivers, on a case by
11 case basis, for policies that promote domestic
12 production based on cost, availability, severity of
13 technical and mission requirements, emergency
14 requirements, operational needs, other legal or
15 international treaty obligations, or other factors
16 deemed important to the success of the Manufac-
17 turing USA Program.

18 (2) PROHIBITION.—

19 (A) COMPANY DEFINED.—In this para-
20 graph, the term “company” has the meaning
21 given such term in section 847(a) of the National
22 Defense Authorization Act for Fiscal Year 2020
23 (Public Law 116–92; 10 U.S.C. 2509 note).

24 (B) IN GENERAL.—A company of the Peo-
25 ple’s Republic of China may not participate in

1 *the Manufacturing USA Program or the Manu-*
2 *facturing USA Network without a waiver, as de-*
3 *scribed in paragraph (1)(C).*

4 *(h) COORDINATION OF MANUFACTURING USA INSTI-*
5 *TUTES.—*

6 *(1) IN GENERAL.—Section 34(h) of the National*
7 *Institute of Standards and Technology Act (15 U.S.C.*
8 *278s(h)) is amended by adding at the end the fol-*
9 *lowing:*

10 *“(7) COUNCIL FOR COORDINATION OF INSTI-*
11 *TUTES.—*

12 *“(A) COUNCIL.—The National Program Of-*
13 *fice shall establish or designate a council of heads*
14 *of any Manufacturing USA institute receiving*
15 *Federal funding at any given time to foster col-*
16 *laboration between Manufacturing USA insti-*
17 *tutes.*

18 *“(B) MEETINGS.—The council established*
19 *or designated under subparagraph (A) shall meet*
20 *not less frequently than twice each year.*

21 *“(C) DUTIES OF THE COUNCIL.—The coun-*
22 *cil established under subparagraph (A) shall as-*
23 *sist the National Program Office in carrying out*
24 *the functions of the National Program Office*
25 *under paragraph (2).”.*

1 (2) *REPORT REQUIRED.*—Not later than 180
2 days after the date on which the council is established
3 under section 34(h)(7)(A) of the National Institute of
4 Standards and Technology Act, as added by para-
5 graph (1), the council shall submit to the National
6 Program Office a report containing recommendations
7 for improving inter-network collaboration.

8 (3) *SUBMITTAL TO CONGRESS.*—Not later than
9 30 days after the date on which the report required
10 by paragraph (2) is submitted to the National Pro-
11 gram Office, the Director of the National Institute of
12 Standards and Technology shall submit such report to
13 the Committee on Commerce, Science, and Transpor-
14 tation, the Committee on Energy and Natural Re-
15 sources, and the Committee on Armed Services of the
16 Senate and the Committee on Science, Space, and
17 Technology of the House of Representatives.

18 (i) *REQUIREMENT FOR NATIONAL PROGRAM OFFICE*
19 *TO DEVELOP STRATEGIES FOR RETAINING DOMESTIC PUB-*
20 *LIC BENEFIT AFTER CEASE OF FEDERAL FUNDING.*—Sec-
21 tion 34(h)(2)(C) of the National Institute of Standards and
22 Technology Act (15 U.S.C. 278s(h)(2)(C)) is amended by
23 inserting “, including a strategy for retaining domestic
24 public benefits from Manufacturing USA institutes once
25 Federal funding has been discontinued” after “Program”.

1 (j) *MODIFICATION OF FUNCTIONS OF NATIONAL PRO-*
 2 *GRAM OFFICE TO INCLUDE DEVELOPMENT OF INDUSTRY*
 3 *CREDENTIALS.*—Section 34(h)(2)(J) of the National Insti-
 4 *tute of Standards and Technology Act (15 U.S.C.*
 5 *278s(h)(2)(J)) is amended by inserting “, including the de-*
 6 *velopment of industry credentials” after “activities”.*

7 **SEC. 2403. ESTABLISHMENT OF EXPANSION AWARDS PRO-**
 8 **GRAM IN HOLLINGS MANUFACTURING EXTEN-**
 9 **SION PARTNERSHIP AND AUTHORIZATION OF**
 10 **APPROPRIATIONS FOR THE PARTNERSHIP.**

11 (a) *ESTABLISHMENT OF EXPANSION AWARDS PRO-*
 12 *GRAM.*—The National Institute of Standards and Tech-
 13 *nology Act (15 U.S.C. 271 et seq.) is amended by inserting*
 14 *after section 25A (15 U.S.C. 278k–1) the following:*

15 **“SEC. 25B. EXPANSION AWARDS PROGRAM.**

16 “(a) *DEFINITIONS.*—The terms used in this section
 17 *have the meanings given the terms in section 25.*

18 “(b) *ESTABLISHMENT.*—The Director shall establish,
 19 *subject to the availability of appropriations, within the*
 20 *Hollings Manufacturing Extension Partnership under sec-*
 21 *tions 25 and 26 a program of expansion awards among*
 22 *participants described in subsection (c) of this section for*
 23 *the purposes described in subsection (d) of this section.*

1 “(c) *PARTICIPANTS.—Participants receiving awards*
2 *under this section shall be Centers, or a consortium of Cen-*
3 *ters.*

4 “(d) *PURPOSE OF AWARDS.—An award under this sec-*
5 *tion shall be made for one or more of the following purposes:*

6 “(1) *To provide worker education, training, de-*
7 *velopment, and entrepreneurship training and to con-*
8 *nect individuals or business with such services offered*
9 *in their community, which may include employee*
10 *ownership and workforce training, connecting manu-*
11 *facturers with career and technical education entities,*
12 *institutions of higher education (including commu-*
13 *nity colleges), workforce development boards, State*
14 *government programs for advanced manufacturing,*
15 *entities (such as public-private partnerships) or a col-*
16 *lection of entities and individuals carrying out an*
17 *advanced manufacturing forum that would serve edu-*
18 *cationally underrepresented individuals (such as*
19 *underrepresented racial and ethnic minorities), labor*
20 *organizations, and nonprofit job training providers to*
21 *develop and support training and job placement serv-*
22 *ices, apprenticeship and online learning platforms,*
23 *for new and incumbent workers, programming to pre-*
24 *vent job losses when adopting new technologies and*

1 *processes, and development of employee ownership*
2 *practices.*

3 *“(2) To mitigate vulnerabilities to cyberattacks,*
4 *including helping to offset the cost of cybersecurity*
5 *projects for small manufacturers.*

6 *“(3) To expand advanced technology services to*
7 *small- and medium-sized manufacturers, which may*
8 *include—*

9 *“(A) developing technology demonstration*
10 *laboratories;*

11 *“(B) services for the adoption of advanced*
12 *technologies, including smart manufacturing*
13 *technologies and practices; and*

14 *“(C) establishing partnerships, for the devel-*
15 *opment, demonstration, and deployment of ad-*
16 *vanced technologies, with—*

17 *“(i) national laboratories (as defined*
18 *in section 2 of the Energy Policy Act of*
19 *2005 (42 U.S.C. 15801));*

20 *“(ii) Federal laboratories;*

21 *“(iii) Manufacturing USA institutes*
22 *(as described in section 2402 of the Endless*
23 *Frontiers Act); and*

24 *“(iv) institutions of higher education.*

1 “(4) *To build capabilities across the Hollings*
2 *Manufacturing Extension Partnership for domestic*
3 *supply chain resiliency and optimization, includ-*
4 *ing—*

5 “(A) *assessment of domestic manufacturing*
6 *capabilities, expanded capacity for researching*
7 *and deploying information on supply chain risk,*
8 *hidden costs of reliance on offshore suppliers,*
9 *and other relevant topics; and*

10 “(B) *expanded services to provide industry-*
11 *wide support that assists United States manu-*
12 *facturers with reshoring manufacturing to*
13 *strengthen the resiliency of domestic supply*
14 *chains, including in critical technology areas*
15 *and foundational manufacturing capabilities*
16 *that are key to domestic manufacturing competi-*
17 *tiveness and resiliency, including forming, cast-*
18 *ing, machining, joining, surface treatment, tool-*
19 *ing, and metal or chemical refining.*

20 “(e) *REIMBURSEMENT.—The Director may reimburse*
21 *Centers for costs incurred by the Centers under this section.*

22 “(f) *PROGRAM CONTRIBUTION.—Recipients of awards*
23 *under this section shall not be required to provide a match-*
24 *ing contribution.”.*

25 “(b) *AUTHORIZATION OF APPROPRIATIONS.—*

1 (1) *IN GENERAL.*—*There is authorized to be ap-*
2 *propriated to carry out the Hollings Manufacturing*
3 *Extension Partnership program under sections 25,*
4 *25A, and 26 of the National Institute of Standards*
5 *and Technology Act (15 U.S.C. 278k, 278k–1, and*
6 *278l), and section 25B of such Act, as added by sub-*
7 *section (a), \$480,000,000 for each of fiscal years 2022*
8 *through fiscal year 2026.*

9 (2) *BASE FUNDING.*—*Of the amounts appro-*
10 *propriated pursuant to the authorization in paragraph*
11 *(1), \$216,000,000 shall be available in each fiscal*
12 *year to carry out the Hollings Manufacturing Exten-*
13 *sion Partnership under sections 25 and 25A of such*
14 *Act (15 U.S.C. 278k and 278k–1), of which*
15 *\$40,000,000 shall not be subject to cost share require-*
16 *ments under subsection (e)(2) of such section: Pro-*
17 *vided, That the authority made available pursuant to*
18 *this section shall be elective for any Manufacturing*
19 *Extension Partnership Center that also receives fund-*
20 *ing from a State that is conditioned upon the appli-*
21 *cation of a Federal cost sharing requirement.*

22 (3) *EXPANSION AWARD PROGRAM.*—*Of the*
23 *amounts appropriated pursuant to the authorization*
24 *in paragraph (1), \$264,000,000 shall be available*

1 *each fiscal year to carry out section 25B of such Act,*
2 *as added by subsection (a).*

3 **SEC. 2404. NATIONAL MANUFACTURING ADVISORY COUN-**
4 **CIL.**

5 *(a) DEFINITIONS.—In this section:*

6 *(1) ADVISORY COUNCIL.—The term “Advisory*
7 *Council” means the National Manufacturing Advi-*
8 *sory Council established under subsection (b)(1).*

9 *(2) APPROPRIATE COMMITTEES OF CONGRESS.—*
10 *The term “appropriate committees of Congress”*
11 *means—*

12 *(A) the Committee on Health, Education,*
13 *Labor, and Pensions, the Committee on Com-*
14 *merce, Science, and Transportation, the Com-*
15 *mittee on Energy and Natural Resources, the*
16 *Committee on Armed Services, and the Com-*
17 *mittee on Appropriations of the Senate; and*

18 *(B) the Committee on Education and*
19 *Labor, the Committee on Science, Space, and*
20 *Technology, the Committee on Energy and Com-*
21 *merce, the Committee on Armed Services, and*
22 *the Committee on Appropriations of the House of*
23 *Representatives.*

24 *(3) SECRETARY.—The term “Secretary” means*
25 *the Secretary of Commerce.*

1 (b) *ESTABLISHMENT.*—

2 (1) *IN GENERAL.*—*The Secretary, in consultation*
3 *with the Secretary of Labor, the Secretary of Defense,*
4 *the Secretary of Energy, and the Secretary of Edu-*
5 *cation, shall establish within the Department of Com-*
6 *merce the National Manufacturing Advisory Council.*

7 (2) *PURPOSE.*—*The purpose of the Advisory*
8 *Council shall be to—*

9 (A) *provide worker education, training, de-*
10 *velopment, and entrepreneurship training;*

11 (B) *connect individuals and business with*
12 *the services described in subparagraph (A) that*
13 *are offered in the community of the individuals*
14 *or businesses;*

15 (C) *coordinate services relating to employee*
16 *engagement, including employee ownership and*
17 *workforce training;*

18 (D) *connect manufacturers with career and*
19 *technical education entities, institutions of high-*
20 *er education, community colleges, workforce de-*
21 *velopment boards, labor organizations, and non-*
22 *profit job training providers to develop and sup-*
23 *port training and job placement services and ap-*
24 *prenticeship and online learning platforms for*
25 *new and incumbent workers;*

1 (E) develop programming to prevent job
2 losses as entities adopt new technologies and
3 processes; and

4 (F) develop best practices for employee own-
5 ership.

6 (c) *MISSION.*—The mission of the Advisory Council
7 shall be to—

8 (1) ensure regular communication between the
9 Federal Government and the manufacturing sector in
10 the United States;

11 (2) advise the Federal Government regarding
12 policies and programs of the Federal Government that
13 affect manufacturing in the United States;

14 (3) provide a forum for discussing and proposing
15 solutions to problems relating to the manufacturing
16 industry in the United States; and

17 (4) ensure that the United States remains the
18 preeminent destination throughout the world for in-
19 vestment in manufacturing.

20 (d) *DUTIES.*—The duties of the Advisory Council shall
21 include—

22 (1) meeting not less frequently than every 180
23 days to provide independent advice and recommenda-
24 tions to the Secretary regarding issues involving
25 manufacturing in the United States;

1 (2) *completing specific tasks requested by the*
2 *Secretary;*

3 (3) *conveying input from key industry, labor,*
4 *academic, defense, governmental, and other stake-*
5 *holders to aid in the development of a national stra-*
6 *tegic plan for manufacturing in the United States;*

7 (4) *monitoring the status of technological devel-*
8 *opments, critical production capacity, skill avail-*
9 *ability, investment patterns, emerging defense needs,*
10 *and other key indicators of manufacturing competi-*
11 *tiveness to provide foresight for periodic updates to*
12 *the national strategic plan for manufacturing devel-*
13 *oped under paragraph (3);*

14 (5) *soliciting input from the public and private*
15 *sectors and academia relating to emerging trends in*
16 *manufacturing, the responsiveness of Federal pro-*
17 *gramming with respect to manufacturing, and sugges-*
18 *tions for areas of increased Federal attention with re-*
19 *spect to manufacturing;*

20 (6) *monitoring global manufacturing trends and*
21 *global threats to manufacturing sectors in the United*
22 *States;*

23 (7) *providing advice and recommendations to the*
24 *Federal Government on matters relating to invest-*

1 *ment in and support of the manufacturing workforce*
2 *relating to—*

3 *(A) worker participation, including through*
4 *labor organizations and through other methods*
5 *determined by the Advisory Council, in the plan-*
6 *ning for deployment of new technologies across*
7 *an industry and within workplaces;*

8 *(B) training and education priorities for*
9 *the Federal Government and for employers to as-*
10 *assist workers in adapting the skills and experi-*
11 *ences of those workers to fit the demands of the*
12 *21st century economy;*

13 *(C) innovative suggestions from workers on*
14 *the development of new technologies and proc-*
15 *esses and, as appropriate, assessing the impact of*
16 *those technologies and processes on the workforce*
17 *and economy of the United States;*

18 *(D) management practices that lead to*
19 *worker employment, job quality, worker protec-*
20 *tion, worker participation and power in decision*
21 *making, and investment in worker career success;*

22 *(E) policies and procedures to prioritize di-*
23 *versity and inclusion in the manufacturing and*
24 *technology workforce by expanding access to job,*

1 *career advancement, and management opportu-*
2 *nities for underrepresented populations; and*

3 *(F) advice on how to improve access to de-*
4 *mand-driven education, training, and re-train-*
5 *ing for workers, including community and tech-*
6 *nical colleges, higher education, apprenticeships*
7 *and work-based learning opportunities;*

8 *(8) with respect to the manufacturing.gov*
9 *website, or any successor thereto, providing input and*
10 *improvements in order to—*

11 *(A) make that website more user-friendly to*
12 *enhance the ability of that website to—*

13 *(i) provide information to manufactur-*
14 *ers; and*

15 *(ii) receive feedback from manufactur-*
16 *ers;*

17 *(B) assist that website in becoming the*
18 *principal place of interaction between manufac-*
19 *turers in the United States and Federal pro-*
20 *grams relating to manufacturing; and*

21 *(C) enable that website to provide assistance*
22 *to manufacturers relating to—*

23 *(i) international trade and investment*
24 *matters;*

1 (ii) research and technology develop-
2 ment opportunities;

3 (iii) workforce development and train-
4 ing programs and opportunities;

5 (iv) small and medium manufacturer
6 needs; and

7 (v) industrial commons and supply
8 chain needs.

9 (e) MEMBERSHIP.—

10 (1) IN GENERAL.—The Advisory Council shall—

11 (A) consist of individuals appointed by the
12 Secretary with a balance of backgrounds, experi-
13 ences, and viewpoints; and

14 (B) include an equal proportion of individ-
15 uals with manufacturing experience who rep-
16 resent private industry, academia, and labor or-
17 ganizations.

18 (2) PUBLIC PARTICIPATION.—The Secretary
19 shall, to the maximum extent practicable, accept rec-
20 ommendations from the public regarding the appoint-
21 ment of individuals under paragraph (1).

22 (3) PERIOD OF APPOINTMENT; VACANCIES.—

23 (A) IN GENERAL.—Each member of the Ad-
24 visory Council shall be appointed by the Sec-
25 retary for a term of 3 years.

1 (B) *RENEWAL.*—*The Secretary may renew*
2 *an appointment made under subparagraph (A)*
3 *not more than 2 additional terms*

4 (C) *STAGGER TERMS.*—*The Secretary may*
5 *stagger the terms of the members of the Advisory*
6 *Council to ensure that the terms of the members*
7 *expire during different years.*

8 (D) *VACANCIES.*—*Any member appointed to*
9 *fill a vacancy on the Advisory Council occurring*
10 *before the expiration of the term for which the*
11 *member's predecessor was appointed shall be ap-*
12 *pointed only for the remainder of that term. A*
13 *member may serve after the expiration of that*
14 *term until a successor has been appointed.*

15 (f) *TRANSFER OF FUNCTIONS.*—

16 (1) *IN GENERAL.*—*All functions of the United*
17 *States Manufacturing Council of the International*
18 *Trade Administration of the Department of Com-*
19 *merce, including the personnel, assets, and obligations*
20 *of the United States Manufacturing Council of the*
21 *International Trade Administration of the Depart-*
22 *ment of Commerce, as in existence on the day before*
23 *the date of enactment of this division, shall be trans-*
24 *ferred to the Advisory Council.*

1 (2) *DEEMING OF NAME.*—Any reference in law,
2 *regulation, document, paper, or other record of the*
3 *United States to the United States Manufacturing*
4 *Council of the International Trade Administration of*
5 *the Department of Commerce shall be deemed a ref-*
6 *erence to the Advisory Council.*

7 (3) *UNEXPENDED BALANCES.*—Unexpended bal-
8 *ances of appropriations, authorization, allocations, or*
9 *other funds related to the United States Manufac-*
10 *turing Council of the International Trade Adminis-*
11 *tration of the Department of Commerce shall be avail-*
12 *able for use by the Advisory Council for the purpose*
13 *for which the appropriations, authorizations, alloca-*
14 *tions, or other funds were originally made available.*

15 (g) *REPORT.*—Not later than 180 days after the date
16 *on which the Advisory Council holds the initial meeting of*
17 *the Advisory Council and annually thereafter, the Advisory*
18 *Council shall submit to the appropriate committees of Con-*
19 *gress a report containing a detailed statement of the advice*
20 *and recommendations of the Advisory Council required*
21 *under subsection (d)(7).*

TITLE V—MISCELLANEOUS

SEC. 2501. STRATEGY AND REPORT ON ECONOMIC SECURITY, SCIENCE, RESEARCH, AND INNOVATION TO SUPPORT THE NATIONAL SECURITY STRATEGY.

(a) *NATIONAL SECURITY STRATEGY DEFINED.*—In this section, the term “national security strategy” means the national security strategy required by section 108 of the National Security Act of 1947 (50 U.S.C. 3043).

(b) *STRATEGY AND REPORT.*—

(1) *IN GENERAL.*—Not later than 90 days after the transmission of each national security strategy under section 108(a) of the National Security Act of 1947 (50 U.S.C. 3043(a)), the Director of the Office of Science and Technology Policy shall, in coordination with the National Science and Technology Council, the Director of the National Economic Council, and the heads of such other relevant Federal agencies as the Director of the Office of Science and Technology Policy considers appropriate and in consultation with such nongovernmental partners as the Director of the Office of Science and Technology Policy considers appropriate—

(A) review such strategy, programs, and resources as the Director of the Office of Science

1 *and Technology Policy determines pertain to*
2 *United States national competitiveness in*
3 *science, research, innovation, and technology*
4 *transfer, including patenting and licensing, to*
5 *support the national security strategy;*

6 *(B) develop or revise a national strategy to*
7 *improve the national competitiveness of the*
8 *United States in science, research, and innova-*
9 *tion to support the national security strategy;*
10 *and*

11 *(C) submit to Congress—*

12 *(i) a report on the findings of the Di-*
13 *rector with respect to the review conducted*
14 *under subparagraph (A); and*

15 *(ii) the strategy developed or revised*
16 *under subparagraph (B).*

17 (2) *TERMINATION.—The requirement of para-*
18 *graph (1) shall terminate on the date that is 5 years*
19 *after the date of the enactment of this Act.*

20 (c) *ELEMENTS.—*

21 (1) *REPORT.—Each report submitted under sub-*
22 *section (b)(1)(C)(i) shall include the following:*

23 (A) *An assessment of public and private in-*
24 *vestment in civilian and military science and*

1 *technology and its implications for the*
2 *geostrategic position of the United States.*

3 *(B) A description of the prioritized eco-*
4 *nomics security interests and objectives, including*
5 *domestic job creation, of the United States relat-*
6 *ing to science, research, and innovation and an*
7 *assessment of how investment in civilian and*
8 *military science and technology can advance*
9 *those objectives.*

10 *(C) An assessment of global trends in*
11 *science and technology, including potential*
12 *threats to the leadership of the United States in*
13 *science and technology.*

14 *(D) An assessment of the national debt and*
15 *its implications for the economic and national*
16 *security of the United States.*

17 *(E) An assessment of how regional efforts*
18 *are contributing and could contribute to the in-*
19 *novation capacity of the United States, includ-*
20 *ing programs run by State and local govern-*
21 *ments.*

22 *(F) An assessment of—*

23 *(i) workforce needs for competitiveness*
24 *in key technology focus areas; and*

25 *(ii) any efforts needed—*

1 (I) to expand pathways into key
2 technology focus areas; and

3 (II) to improve workforce develop-
4 ment and employment systems, as well
5 as programs and practices to upskill
6 incumbent workers.

7 (G) An assessment of barriers to competi-
8 tiveness and barriers to the development and evo-
9 lution of start-ups, small and mid-sized business
10 entities, and industries.

11 (H) An assessment of the effectiveness of the
12 Federal Government, federally funded research
13 and development centers, and national labs in
14 supporting and promoting technology commer-
15 cialization and technology transfer, including an
16 assessment of the adequacy of Federal research
17 and development funding in creating new domes-
18 tic manufacturing growth and job creation
19 across sectors and promoting competitiveness
20 and the development of new technologies.

21 (I) An assessment of manufacturing capac-
22 ity, logistics, and supply chain dynamics of
23 major export sectors, including access to a skilled
24 workforce, physical infrastructure, and
25 broadband network infrastructure.

1 *(J) An assessment of how the Federal Gov-*
2 *ernment is increasing the participation of under-*
3 *represented populations in science, research, in-*
4 *novation, and manufacturing.*

5 *(K) An assessment of public-private part-*
6 *nerships in technology commercialization, in-*
7 *cluding—*

8 *(i) the structure of current technology*
9 *research and commercialization arrange-*
10 *ments with regard to public-private part-*
11 *nerships; and*

12 *(ii) the extent to which intellectual*
13 *property developed with Federal funding—*

14 *(I) is being used to manufacture*
15 *in the United States rather than in*
16 *other countries; and*

17 *(II) is being used by foreign busi-*
18 *ness entities that are majority owned*
19 *or controlled (as defined in section*
20 *800.208 of title 31, Code of Federal*
21 *Regulations, or a successor regulation),*
22 *or minority owned greater than 25*
23 *percent by—*

1 (aa) any governmental orga-
2 nization of the People's Republic
3 of China; or

4 (bb) any other entity that
5 is—

6 (AA) known to be owned
7 or controlled by any govern-
8 mental organization of the
9 People's Republic of China;
10 or

11 (BB) organized under,
12 or otherwise subject to, the
13 laws of the People's Republic
14 of China.

15 (2) *STRATEGY.*—Each strategy submitted under
16 subsection (b)(1)(C)(ii) shall include the following:

17 (A) A plan to utilize available tools to ad-
18 dress or minimize the leading threats and chal-
19 lenges and to take advantage of the leading op-
20 portunities, particularly in regards to key tech-
21 nology focus areas central to international com-
22 petition, including the following:

23 (i) Specific objectives, tasks, metrics,
24 and milestones for each relevant Federal
25 agency.

1 (ii) *Strategic objectives and priorities*
2 *necessary to maintain the leadership of the*
3 *United States in science and technology, in-*
4 *cluding near-term, medium-term, and long-*
5 *term research priorities.*

6 (iii) *Specific plans to safeguard re-*
7 *search and technology funded, as appro-*
8 *priate, in whole or in part, by the Federal*
9 *Government, including in the key tech-*
10 *nology focus areas, from theft or exfiltration*
11 *by foreign entities of concern.*

12 (iv) *Specific plans to support public*
13 *and private sector investment in research,*
14 *technology development, education and*
15 *workforce development, and domestic manu-*
16 *facturing supportive of the national eco-*
17 *nomics competitiveness of the United States*
18 *and to foster the use of public-private part-*
19 *nerships.*

20 (v) *Specific plans to promote sustain-*
21 *ability practices and strategies for increas-*
22 *ing jobs in the United States.*

23 (vi) *A description of—*

1 (I) *how the strategy submitted*
2 *under subsection (b)(1)(C)(ii) supports*
3 *the national security strategy; and*

4 (II) *how the strategy submitted*
5 *under such subsection is integrated and*
6 *coordinated with the most recent na-*
7 *tional defense strategy under section*
8 *113(g) of title 10, United States Code.*

9 (vii) *A plan to encourage the govern-*
10 *ments of countries that are allies or part-*
11 *ners of the United States to cooperate with*
12 *the execution of the strategy submitted*
13 *under subsection (b)(1)(C)(ii), where appro-*
14 *priate.*

15 (viii) *A plan for how the United States*
16 *should develop local and regional capacity*
17 *for building innovation ecosystems across*
18 *the Nation by providing Federal support.*

19 (ix) *A plan for strengthening the in-*
20 *dustrial base of the United States.*

21 (x) *A plan to remove or update overly*
22 *burdensome or outdated Federal regulations*
23 *as appropriate.*

24 (xi) *A plan—*

1 (I) to further incentivize industry
2 participation in public-private part-
3 nerships for the purposes of accel-
4 erating technology research and com-
5 mercialization, including alternate
6 ways of accounting for in-kind con-
7 tributions and value of partially man-
8 ufactured products;

9 (II) to ensure that intellectual
10 property developed with Federal fund-
11 ing is commercialized in the United
12 States; and

13 (III) to ensure, to the maximum
14 appropriate extent, that intellectual
15 property developed with Federal fund-
16 ing is not being used by foreign busi-
17 ness entities that are majority owned
18 or controlled (as defined in section
19 800.208 of title 31, Code of Federal
20 Regulations, or a successor regulation),
21 or minority owned greater than 25
22 percent by—

23 (aa) any governmental orga-
24 nization of the People's Republic
25 of China; or

1 (bb) any other entity that
2 is—

3 (AA) known to be owned
4 or controlled by any govern-
5 mental organization of the
6 People’s Republic of China;
7 or

8 (BB) organized under,
9 or otherwise subject to, the
10 laws of the People’s Republic
11 of China.

12 (xii) An identification of additional
13 resources, administrative action, or legisla-
14 tive action recommended to assist with the
15 implementation of such strategy.

16 (d) *RESEARCH AND DEVELOPMENT FUNDING.*—The
17 Director of the Office of Science and Technology Policy
18 shall, as the Director considers necessary, consult with the
19 Director of the Office of Management and Budget and with
20 the heads of such other elements of the Executive Office of
21 the President as the Director of the Office of Science and
22 Technology Policy considers appropriate to ensure that the
23 recommendations and priorities with respect to research
24 and development funding as expressed in the most recent
25 report and strategy submitted under subsection (b)(1)(C)

1 *are incorporated into the development of annual budget re-*
2 *quests for Federal research agencies.*

3 (e) *PUBLICATION.*—*The Director of the Office of*
4 *Science and Technology Policy shall, consistent with the*
5 *protection of national security and other sensitive matters*
6 *and otherwise to the maximum extent practicable, make*
7 *each report submitted under subsection (b)(1)(C)(i) publicly*
8 *available on an internet website of the Office of Science and*
9 *Technology Policy. The report may include a classified*
10 *annex if the working group determines appropriate.*

11 **SEC. 2502. PERSON OR ENTITY OF CONCERN PROHIBITION.**

12 *No person published on the list under section 1237(b)*
13 *of the Strom Thurmond National Defense Authorization Act*
14 *for Fiscal Year 1999 (Public Law 105–261; 50 U.S.C. 1701*
15 *note) or entity identified under section 1260H of the Wil-*
16 *liam M. (Mac) Thornberry National Defense Authorization*
17 *Act for Fiscal Year 2021 (Public Law 116–283) may receive*
18 *or participate in any grant, award, program, support, or*
19 *other activity under—*

20 (1) *the Directorate established in section 2102;*

21 (2) *the supply chain resiliency program under*
22 *section 2505;*

23 (3) *section 28(b)(1) of the Stevenson-Wydler*
24 *Technology Innovation Act of 1980 (15 U.S.C. 3701*
25 *et seq.), as added by section 2401(a); or*

1 (4) *the Manufacturing USA Program, as im-*
2 *proved and expanded under section 2402.*

3 **SEC. 2503. STUDY ON EMERGING SCIENCE AND TECH-**
4 **NOLOGY CHALLENGES FACED BY THE UNITED**
5 **STATES AND RECOMMENDATIONS TO AD-**
6 **DRESS THEM.**

7 (a) *SHORT TITLE.*—*This section may be cited as the*
8 *“National Strategy to Ensure American Leadership Act of*
9 *2021” or the “National SEAL Act of 2021”.*

10 (b) *STUDY.*—

11 (1) *IN GENERAL.*—*The Secretary of Commerce*
12 *shall seek to enter into an agreement with the Na-*
13 *tional Academies of Sciences, Engineering, and Medi-*
14 *cine to conduct a study—*

15 (A) *to identify the 10 most critical emerg-*
16 *ing science and technology challenges facing the*
17 *United States; and*

18 (B) *to develop recommendations for legisla-*
19 *tive or administrative action to ensure United*
20 *States leadership in matters relating to such*
21 *challenges.*

22 (2) *ELEMENTS.*—*The study conducted under*
23 *paragraph (1) shall include identification, review,*
24 *and evaluation of the following:*

1 (A) *Matters pertinent to identification of*
2 *the challenges described in paragraph (1)(A).*

3 (B) *Matters relating to the recommenda-*
4 *tions developed under paragraph (1)(B), includ-*
5 *ing with respect to education and workforce de-*
6 *velopment necessary to address each of the chal-*
7 *lenges identified under paragraph (1)(A).*

8 (C) *Matters related to the review of key*
9 *technology focus areas by the Director of the Na-*
10 *tional Science Foundation under section 2005.*

11 (D) *An assessment of the current relative*
12 *balance in leadership in addressing the chal-*
13 *lenges identified in paragraph (1)(A) between the*
14 *United States, allies or key partners of the*
15 *United States, and the People's Republic of*
16 *China.*

17 (3) *TIMEFRAME.—*

18 (A) *AGREEMENT.—The Secretary of Com-*
19 *merce shall seek to enter into the agreement re-*
20 *quired by paragraph (1) on or before the date*
21 *that is 60 days after the date of enactment of*
22 *this Act.*

23 (B) *FINDINGS.—Under an agreement en-*
24 *tered into under paragraph (1), the National*
25 *Academies of Sciences, Engineering, and Medi-*

1 *cine shall, not later than 1 year after the date*
2 *on which the Secretary of Commerce and the Na-*
3 *tional Academies enter into such agreement,*
4 *transmit to the Secretary of Commerce the find-*
5 *ings of the National Academies with respect to*
6 *the study conducted pursuant to such agreement.*

7 *(c) REPORT.—*

8 *(1) IN GENERAL.—Not later than 30 days after*
9 *the date on which the Secretary of Commerce receives*
10 *the findings of the National Academies of Sciences,*
11 *Engineering, and Medicine with respect to the study*
12 *conducted under subsection (b), the Secretary of Com-*
13 *merce shall submit to Congress a “Strategy to Ensure*
14 *American Leadership” report on such study.*

15 *(2) CONTENTS.—The report submitted under*
16 *paragraph (1) shall include the following:*

17 *(A) The findings of the National Academies*
18 *of Sciences, Engineering, and Medicine with re-*
19 *spect to the study conducted under subsection (b).*

20 *(B) The conclusions of the Secretary of*
21 *Commerce with respect to such findings.*

22 *(C) The recommendations developed under*
23 *subsection (b)(1)(B).*

24 *(D) Such other recommendations for legisla-*
25 *tive or administrative action as the Secretary of*

1 *Commerce may have with respect to such find-*
2 *ings and conclusions.*

3 (3) *CLASSIFIED ANNEX.*—*The report submitted*
4 *under paragraph (1) shall be submitted in unclassi-*
5 *fied form, but may include a classified annex if the*
6 *Secretary of Commerce determines appropriate.*

7 (d) *INFORMATION FROM FEDERAL AGENCIES.*—

8 (1) *IN GENERAL.*—*The National Academies of*
9 *Sciences, Engineering, and Medicine may secure di-*
10 *rectly from a Federal department or agency such in-*
11 *formation as the National Academies of Sciences, En-*
12 *gineering, and Medicine consider necessary to carry*
13 *out the study under subsection (b).*

14 (2) *FURNISHING INFORMATION.*—*On request of*
15 *the National Academies of Sciences, Engineering, and*
16 *Medicine for information, the head of the department*
17 *or agency shall furnish such information to the Na-*
18 *tional Academies of Sciences, Engineering, and Medi-*
19 *cine.*

20 (e) *CONSULTATION.*—*The Secretary of Defense and the*
21 *Director of National Intelligence shall provide support upon*
22 *request from the Secretary of Commerce or the National*
23 *Academies to carry out this section.*

24 (f) *NON-DUPLICATION OF EFFORT.*—*In carrying out*
25 *subsection (b), the Secretary of Commerce shall, to the de-*

1 *gree practicable, coordinate with the steering committee es-*
2 *tablished under section 236(a) of the William M. (Mac)*
3 *Thornberry National Defense Authorization Act for Fiscal*
4 *Year 2021 (Public Law 116–283).*

5 **SEC. 2504. REPORT ON GLOBAL SEMICONDUCTOR SHORT-**
6 **AGE.**

7 *Not later than 1 year after the date of enactment of*
8 *this division, the Comptroller General of the United States*
9 *shall submit to Congress a report on the global semicon-*
10 *ductor supply shortage and the impact of that shortage on*
11 *manufacturing in the United States.*

12 **SEC. 2505. SUPPLY CHAIN RESILIENCY PROGRAM.**

13 *(a) DEFINITIONS.—In this section:*

14 *(1) CRITICAL INDUSTRY.—The term “critical in-*
15 *dustry” means an industry identified under sub-*
16 *section (f)(1)(A)(i).*

17 *(2) CRITICAL INFRASTRUCTURE.—The term*
18 *“critical infrastructure” has the meaning given the*
19 *term in the Critical Infrastructures Protection Act of*
20 *2001 (42 U.S.C. 5195c).*

21 *(3) LABOR ORGANIZATION.—The term “labor or-*
22 *ganization” has the meaning given the term in sec-*
23 *tion 2101.*

1 (4) *PROGRAM*.—The term “program” means the
2 supply chain resiliency and crisis response program
3 established under subsection (b).

4 (5) *RESILIENT SUPPLY CHAIN*.—The term “resilient supply chain” means a supply chain that—

6 (A) ensures that the United States can sus-
7 tain critical industry production, supply chains,
8 services, and access to critical goods and services
9 during supply chain shocks, including pandemic
10 and biological threats, cyberattacks, extreme
11 weather events, terrorist and geopolitical attacks,
12 great power conflicts, and other threats to the
13 national security of the United States; and

14 (B) has key components of resilience that
15 include—

16 (i) effective private sector risk manage-
17 ment and mitigation planning to sustain
18 critical supply chains and supplier net-
19 works during a supply chain shock;

20 (ii) minimized or managed exposure to
21 supply chain shocks; and

22 (iii) the financial and operational ca-
23 pacity to—

24 (I) sustain critical industry sup-
25 ply chains during shocks; and

1 (II) recover from supply chain
2 shocks.

3 (6) *RELEVANT COMMITTEES OF CONGRESS.*—The
4 term “relevant committees of Congress” means—

5 (A) the Committee on Commerce, Science,
6 and Transportation of the Senate;

7 (B) the Committee on Appropriations of the
8 Senate;

9 (C) the Committee on Finance of the Sen-
10 ate;

11 (D) the Committee on Homeland Security
12 and Governmental Affairs of the Senate;

13 (E) the Committee on Armed Services of the
14 Senate;

15 (F) the Committee on Energy and Natural
16 Resources of the Senate;

17 (G) the Select Committee on Intelligence of
18 the Senate;

19 (H) the Committee on Science, Space, and
20 Technology of the House of Representatives;

21 (I) the Committee on Energy and Commerce
22 of the House of Representatives;

23 (J) the Committee on Appropriations of the
24 House of Representatives;

1 (K) the Committee on Ways and Means of
2 the House of Representatives;

3 (L) the Committee on Homeland Security of
4 the House of Representatives;

5 (M) the Committee on Armed Services of the
6 House of Representatives; and

7 (N) the Permanent Select Committee on In-
8 telligence of the House of Representatives.

9 (7) SECRETARY.—The term “Secretary” means
10 the Secretary of Commerce.

11 (8) SUPPLY CHAIN INFORMATION.—The term
12 “supply chain information” means information that
13 is not customarily in the public domain and relating
14 to—

15 (A) sustaining and adapting supply chains
16 during a supply chain shock, including pan-
17 demic and biological threats, cyberattacks, ex-
18 treme weather events, terrorist and geopolitical
19 attacks, great power conflict, and other threats to
20 national security;

21 (B) the development of supply chain risk
22 mitigation and recovery planning with respect to
23 a supply chain shock, including any planned or
24 past assessment, projection, or estimate of a vul-
25 nerability within the supply chain, including

1 *testing, supplier network assessments, production*
2 *flexibility, risk evaluations thereto, risk manage-*
3 *ment planning, or risk audits; or*

4 (C) *operational best practices, planning,*
5 *and supplier partnerships that enable enhanced*
6 *supply chain resilience during a supply chain*
7 *shock, including response, repair, recovery, re-*
8 *construction, insurance, or continuity.*

9 (b) *ESTABLISHMENT.*—*The Secretary shall establish in*
10 *the Department of Commerce a supply chain resiliency and*
11 *crisis response program to carry out the activities described*
12 *in subsection (d).*

13 (c) *MISSION.*—*The mission of the program shall be*
14 *to—*

15 (1) *help to promote the leadership of the United*
16 *States with respect to critical industries that are es-*
17 *sential to the mid-term and long-term national secu-*
18 *rity of the United States; and*

19 (2) *encourage partnerships between the Federal*
20 *Government and industry, labor organizations, and*
21 *State, local, territorial, and Tribal governments in*
22 *order to—*

23 (A) *promote resilient supply chains; and*

24 (B) *respond to critical industry supply*
25 *chain shocks.*

1 (d) *ACTIVITIES.*—Under the program, the Secretary,
2 acting through 1 or more bureaus or other divisions of the
3 Department of Commerce as appropriate, shall carry out
4 activities—

5 (1) in coordination with the private sector, to—

6 (A) map and monitor critical industry sup-
7 ply chains; and

8 (B) identify high priority supply chain
9 gaps and vulnerabilities in critical industries
10 that—

11 (i) exist as of the date of enactment of
12 this division; or

13 (ii) are anticipated in the future;

14 (2) in coordination with the private sector and
15 State, local, territorial, and Tribal governments, and
16 as appropriate, in cooperation with the governments
17 of countries that are allies or key international part-
18 ners of the United States, to—

19 (A) identify opportunities to reduce supply
20 chain gaps and vulnerabilities in critical indus-
21 tries;

22 (B) encourage partnerships between the
23 Federal Government and industry, labor organi-
24 zations, and State, local, territorial, and Tribal
25 governments to better respond to supply chain

1 *shocks to critical industries and coordinate re-*
2 *sponse efforts;*

3 *(C) develop or identify opportunities to*
4 *build the capacity of the United States, or coun-*
5 *tries that are allies of the United States, in crit-*
6 *ical industries; and*

7 *(D) develop contingency plans and coordi-*
8 *nation mechanisms to improve critical industry*
9 *supply chain response to supply chain shocks;*
10 *and*

11 *(3) acting within existing authorities of the De-*
12 *partment of Commerce and in coordination with the*
13 *Secretary of State and the United States Trade Rep-*
14 *resentative, to—*

15 *(A) work with governments of countries that*
16 *are allies or partners of the United States to pro-*
17 *mote diversified and resilient supply chains that*
18 *ensure the supply of critical goods to both the*
19 *United States and companies of countries that*
20 *are allies of the United States; and*

21 *(B) coordinate with other divisions of the*
22 *Department of Commerce and other Federal*
23 *agencies to leverage existing authorities, as of the*
24 *date of enactment of this division, to encourage*
25 *resilient supply chains.*

1 (e) *COORDINATION GROUP.*—*In carrying out the ac-*
2 *tivities under subsection (d), the Secretary may—*

3 (1) *establish a unified coordination group, which*
4 *may include private sector partners, as appropriate,*
5 *to serve as the primary method for coordinating be-*
6 *tween and among Federal agencies to plan for supply*
7 *chain shocks;*

8 (2) *establish subgroups of the unified coordina-*
9 *tion group established under paragraph (1) led by the*
10 *head of an appropriate Federal agency;*

11 (3) *through the unified coordination group estab-*
12 *lished under paragraph (1)—*

13 (A) *acquire on a voluntary basis technical,*
14 *engineering, and operational supply chain infor-*
15 *mation from the private sector, in a manner that*
16 *ensures any supply chain information provided*
17 *by the private sector is kept confidential and as*
18 *required under section 552 of title 5, United*
19 *States Code (commonly known as the “Freedom*
20 *of Information Act”);*

21 (B) *study the supply chain information ac-*
22 *quired under subparagraph (A) to assess critical*
23 *industry supply chain resilience and inform*
24 *planning;*

1 (C) convene with relevant private sector en-
2 tities to share best practices, planning, and ca-
3 pabilities to response to potential supply chain
4 shocks; and

5 (D) develop contingency plans and coordi-
6 nation mechanisms to ensure an effective and co-
7 ordinated response to potential supply chain
8 shocks; and

9 (4) enter into agreements with governments of
10 countries that are allies or partners of the United
11 States relating to enhancing critical industry supply
12 chain security and resilience in response to supply
13 chain shocks.

14 (f) *REPORT ON SUPPLY CHAIN RESILIENCY AND DO-*
15 *MESTIC MANUFACTURING.*—

16 (1) *IN GENERAL.*—Not later than 1 year after
17 the date of enactment of this division, and from time
18 to time thereafter, the Secretary, in coordination with
19 relevant Federal agencies and relevant private sector
20 entities, labor organizations, and State, local, terri-
21 torial, and Tribal governments, shall submit to the
22 relevant committees of Congress a review that—

23 (A) identifies—

24 (i) industries that are critical for the
25 national security of the United States, con-

1 *sidering the key technology focus areas*
2 *under this division and critical infrastruc-*
3 *ture; and*

4 *(ii) supplies that are critical to the cri-*
5 *sis preparedness of the United States;*

6 *(B) describes—*

7 *(i) the manufacturing base and supply*
8 *chains for critical industries in the United*
9 *States as of the date of enactment of this di-*
10 *vision, including the manufacturing base*
11 *and supply chains for—*

12 *(I) raw materials;*

13 *(II) production equipment; and*

14 *(III) other goods, including semi-*
15 *conductors, that are essential to the*
16 *production of technologies and supplies*
17 *for critical industries; and*

18 *(ii) the ability of the United States*
19 *to—*

20 *(I) maintain readiness; and*

21 *(II) in response to a supply chain*
22 *shock—*

23 *(aa) surge production in*
24 *critical industries; and*

1 (bb) maintain access to crit-
2 ical goods and services;

3 (C) identifies defense, intelli-
4 gence, homeland, economic, domestic labor supply, natural,
5 geopolitical, or other contingencies that may dis-
6 rupt, strain, compromise, or eliminate the sup-
7 ply chain for those critical industries;

8 (D) assesses—

9 (i) the resiliency and capacity of the
10 manufacturing base, supply chains, and
11 workforce of the United States, the allies of
12 the United States, and the partners of the
13 United States that can sustain critical in-
14 dustries through a supply chain shock; and

15 (ii) any single points of failure in the
16 supply chains described in clause (i);

17 (E) assesses the flexible manufacturing ca-
18 pacity and capabilities available in the United
19 States in the case of an emergency;

20 (F) makes specific recommendations to im-
21 prove the security and resiliency of manufac-
22 turing capacity and supply chains for critical
23 industries by—

24 (i) developing long-term strategies;

1 (ii) increasing visibility into the net-
2 works and capabilities of suppliers;

3 (iii) identifying industry best prac-
4 tices;

5 (iv) evaluating how diverse supplier
6 networks, multi-platform and multi-region
7 production capabilities and sources, and in-
8 tegrated global and regional supply chains
9 can enhance the resilience of—

10 (I) critical industries in the
11 United States;

12 (II) jobs in the United States;

13 (III) capabilities of the United
14 States; and

15 (IV) the support access of the
16 United States to needed goods and
17 services during a supply chain shock;

18 (v) identifying and mitigating risks,
19 including—

20 (I) the financial and operational
21 risks of a supply chain after a supply
22 chain shock;

23 (II) significant vulnerabilities to
24 extreme weather events, cyberattacks,
25 pandemic and biological threats, ter-

1 *rorist and geopolitical attacks, and*
2 *other emergencies; and*
3 *(III) exposure to gaps and*
4 *vulnerabilities in—*
5 *(aa) domestic capacity or ca-*
6 *pabilities; and*
7 *(bb) sources of imports need-*
8 *ed to sustain critical industries;*
9 *(vi) identifying enterprise resource*
10 *planning systems that are—*
11 *(I) compatible across supply*
12 *chain tiers; and*
13 *(II) affordable for small and me-*
14 *dium-sized businesses;*
15 *(vii) understanding the total cost of*
16 *ownership, total value contribution, and*
17 *other best practices that encourage strategic*
18 *partnerships throughout supply chains;*
19 *(viii) understanding Federal procure-*
20 *ment opportunities to increase resiliency of*
21 *supply chains for goods and services and fill*
22 *gaps in domestic purchasing;*
23 *(ix) identifying policies that maximize*
24 *job retention and creation in the United*

1 *States, including workforce development*
2 *programs;*

3 *(x) identifying opportunities to work*
4 *with allies or key partners of the United*
5 *States in building more resilient critical in-*
6 *dustry supply chains and mitigating risks;*

7 *(xi) identifying areas requiring further*
8 *investment in research and development or*
9 *workforce education; and*

10 *(xii) identifying such other services as*
11 *the Secretary determines necessary;*

12 *(G) provides guidance to the Department of*
13 *Commerce, the National Science Foundation,*
14 *and other relevant Federal agencies with respect*
15 *to technologies and supplies that should be*
16 *prioritized;*

17 *(H) with respect to countries that are allies*
18 *or key partners of the United States—*

19 *(i) reviews and, if appropriate, pro-*
20 *vides recommendations for expanding the*
21 *sourcing of goods associated with critical*
22 *industries from those countries; and*

23 *(ii) recommends coordination with*
24 *those countries on—*

1 (I) sourcing critical raw mate-
2 rials, inputs, and products; and

3 (II) sustaining production and
4 availability of critical supplies during
5 a supply chain shock;

6 (I) monitors and makes recommendations
7 for strengthening the financial and operational
8 health of small and medium-sized businesses in
9 supply chains of the United States and countries
10 that are allies or partners of the United States
11 to mitigate risks and ensure diverse and com-
12 petitive supplier markets that are less vulnerable
13 to single points of failure; and

14 (J) assessment of policies, rules, and regula-
15 tions that impact domestic manufacturing oper-
16 ating costs and inhibit the ability for domestic
17 manufacturing to compete with global competi-
18 tors.

19 (2) *PROHIBITION.*—The report submitted under
20 paragraph (1) may not include—

21 (A) supply chain information that is not
22 aggregated; or

23 (B) confidential business information of a
24 private sector entity.

25 (g) *SEMICONDUCTOR INCENTIVES.*—

1 (1) *IN GENERAL.*—*The Secretary shall carry out*
2 *the program established under section 9902 of the*
3 *William M. (Mac) Thornberry National Defense Au-*
4 *thorization Act for Fiscal Year 2021 (Public Law*
5 *116–283) as part of the program.*

6 (2) *TECHNICAL AND CONFORMING AMEND-*
7 *MENT.*—*Section 9902(a)(1) of the William M. (Mac)*
8 *Thornberry National Defense Authorization Act for*
9 *Fiscal Year 2021 (Public Law 116–283) is amended*
10 *by striking “in the Department of Commerce” and in-*
11 *serting “as part of the program established under sec-*
12 *tion 2505 of the Endless Frontier Act”.*

13 (h) *REPORT TO CONGRESS.*—*Concurrent with the an-*
14 *nual submission by the President of the budget under sec-*
15 *tion 1105 of title 31, United States Code, the Secretary shall*
16 *submit to the relevant committees of Congress a report that*
17 *contains a summary of every activity carried out under this*
18 *section during the year covered by the report.*

19 (i) *COORDINATION.*—

20 (1) *IN GENERAL.*—*In implementing the pro-*
21 *gram, the Secretary shall, as appropriate coordinate*
22 *with—*

23 (A) *the heads of Federal agencies, includ-*
24 *ing—*

25 (i) *the Secretary of State; and*

1 (ii) the United States Trade Represent-
2 ative; and

3 (B) the Attorney General and the Federal
4 Trade Commission with respect to—

5 (i) advice on the design and activities
6 of the unified coordination group described
7 in subsection (e)(1); and

8 (ii) ensuring compliance with Federal
9 antitrust law.

10 (2) *SPECIFIC COORDINATION.*—In implementing
11 the program, with respect to supply chains involving
12 specific sectors, the Secretary shall, as appropriate,
13 coordinate with—

14 (A) the Secretary of Defense;

15 (B) the Secretary of Homeland Security;

16 (C) the Secretary of the Treasury;

17 (D) the Secretary of Energy;

18 (E) the Secretary of Transportation;

19 (F) the Secretary of Agriculture;

20 (G) the Director of National Intelligence;

21 and

22 (H) the heads of other relevant agencies.

23 (j) *RULE OF CONSTRUCTION.*—Nothing in this section
24 shall be construed to require any private entity—

25 (1) to share information with the Secretary;

1 (2) *to request assistance from the Secretary; or*
2 (3) *that requests assistance from the Secretary to*
3 *implement any measure or recommendation suggested*
4 *by the Secretary.*

5 (k) *PROTECTIONS.*—

6 (1) *IN GENERAL.*—

7 (A) *PROTECTIONS.*—*Subsections (a)(1), (b),*
8 *(c), and (d) of section 2224 of the Homeland Se-*
9 *curity Act of 2002 (6 U.S.C. 673) shall apply to*
10 *the voluntary submission of supply chain infor-*
11 *mation by a private entity under this section in*
12 *the same manner as those provisions apply to*
13 *critical infrastructure information voluntarily*
14 *submitted to a covered agency for an other infor-*
15 *mational purpose under that subsection if the*
16 *voluntary submission is accompanied by an ex-*
17 *press statement described in paragraph (2) of*
18 *this subsection; and*

19 (B) *REFERENCES.*—*For the purpose of this*
20 *subsection, with respect to section 2224 of the*
21 *Homeland Security Act of 2002 (6 U.S.C.*
22 *673)—*

23 (i) *the express statement described in*
24 *subsection (a)(1) of that section shall be*

1 deemed to refer to the express statement de-
2 scribed in paragraph (2) of this subsection;

3 (ii) references in the subsections de-
4 scribed in subparagraph (A) to “this sub-
5 title” shall be deemed to refer to this section;

6 (iii) the reference to “protecting crit-
7 ical infrastructure or protected systems” in
8 subsection (a)(1)(E)(iii) of that section shall
9 be deemed to refer to carrying out this sec-
10 tion; and

11 (iv) the reference to “critical infra-
12 structure information” in subsections (b)
13 and (c) of that section shall be deemed to
14 refer to supply chain information.

15 (2) *EXPRESS STATEMENT.*—The express state-
16 ment described in this paragraph, with respect to in-
17 formation or records, is—

18 (A) in the case of written information or
19 records, a written marking on the information or
20 records substantially similar to the following:
21 “*This information is voluntarily submitted to*
22 *the Federal Government in expectation of protec-*
23 *tion from disclosure as provided by the provi-*
24 *sions of section 2505 of the Endless Frontier*
25 *Act.*”; or

1 (B) *in the case of oral information, a writ-*
2 *ten statement similar to the statement described*
3 *in subparagraph (A) submitted within a reason-*
4 *able period following the oral communication.*

5 (3) *INAPPLICABILITY TO SEMICONDUCTOR INCEN-*
6 *TIVE PROGRAM.—This subsection shall not apply to*
7 *the voluntary submission of supply chain information*
8 *by a private entity in an application for Federal fi-*
9 *nancial assistance under section 9902 of the William*
10 *M. (Mac) Thornberry National Defense Authorization*
11 *Act for Fiscal Year 2021 (Public Law 116–283).*

12 (l) *DETERMINATION RELATED TO OPTICAL TRANS-*
13 *MISSION EQUIPMENT.—*

14 (1) *PROCEEDING.—Not later than 45 days after*
15 *the date of enactment of this division , the Secretary*
16 *of Commerce shall commence a process to make a de-*
17 *termination for purposes of section 2 of the Secure*
18 *and Trusted Communications Networks Act of 2019*
19 *(47 U.S.C. 1601) whether optical transmission equip-*
20 *ment manufactured, produced, or distributed by an*
21 *entity owned, controlled, or supported by the People’s*
22 *Republic of China poses an unacceptable risk to the*
23 *national security of the United States or the security*
24 *and safety of United States persons.*

1 (2) *COMMUNICATION OF DETERMINATION.*—If the
2 Secretary determines pursuant to paragraph (1) that
3 such optical transmission equipment poses an unac-
4 ceptable risk consistent with that paragraph, the Sec-
5 retary shall immediately transmit that determination
6 to the Federal Communications Commission con-
7 sistent with section 2 of the Secure and Trusted Com-
8 munications Networks Act of 2019 (47 U.S.C. 1601).

9 **SEC. 2506. SEMICONDUCTOR INCENTIVES.**

10 (a) *DEFINITIONS.*—Section 9901 of the William M.
11 (Mac) Thornberry National Defense Authorization Act for
12 Fiscal Year 2021 (Public Law 116–283) is amended—

13 (1) by redesignating paragraphs (4), (5), (6),
14 (7), (8), and (9) as paragraphs (5), (6), (7), (8), (10),
15 and (11), respectively;

16 (2) by inserting after paragraph (3) the fol-
17 lowing:

18 “(4) The term ‘critical manufacturing indus-
19 try’—

20 “(A) means an industry—

21 “(i) that is assigned a North American
22 Industry Classification System code begin-
23 ning with 31, 32, or 33; and

24 “(ii) for which the industry compo-
25 nents that are assigned a North American

1 *Industry Classification System code begin-*
2 *ning with the same 4 digits as the indus-*
3 *try—*

4 *“(I) manufacture primary prod-*
5 *ucts and parts, the sum of which ac-*
6 *count for not less than 5 percent of the*
7 *manufacturing value added by indus-*
8 *try gross domestic product of the*
9 *United States; and*

10 *“(II) employ individuals for pri-*
11 *mary products and parts manufac-*
12 *turing activities that, combined, ac-*
13 *count for not less than 5 percent of*
14 *manufacturing employment in the*
15 *United States; and*

16 *“(B) may include any other manufacturing*
17 *industry designated by the Secretary based on*
18 *the relevance of the manufacturing industry to*
19 *the national and economic security of the United*
20 *States, including the impacts of job losses.”;*

21 *(3) by inserting after paragraph (8), as so redes-*
22 *ignated, the following:*

23 *“(9) The term ‘mature technology node’ has the*
24 *meaning given the term by the Secretary.”.*

1 (b) *SEMICONDUCTOR PROGRAM*.—Section 9902 of the
2 *William M. (Mac) Thornberry National Defense Authoriza-*
3 *tion Act for Fiscal Year 2021 (Public Law 116–283)* is
4 *amended—*

5 (1) *in subsection (a)(2)—*

6 (A) *in subparagraph (B)(ii)—*

7 (i) *in subclause (III), by striking*
8 *“and” at the end;*

9 (ii) *in subclause (IV), by striking the*
10 *period at the end and inserting “and”; and*

11 (iii) *by adding at the end the fol-*
12 *lowing:*

13 “(V) *determined—*

14 “(aa) *the type of semicon-*
15 *ductor technology the covered enti-*
16 *ty will produce at the facility de-*
17 *scribed in clause (i); and*

18 “(bb) *the customers to which*
19 *the covered entity plans to sell the*
20 *semiconductor technology de-*
21 *scribed in item (aa).”;*

22 (B) *in subparagraph (C)—*

23 (i) *in clause (i)—*

24 (I) *in subclause (II), by striking*

25 *“is in the interest of the United*

1 *States” and inserting “is in the eco-*
2 *nomi c and national security interests*
3 *of the United States”; and*

4 *(II) in subclause (III), by striking*
5 *“and” at the end;*

6 *(ii) in clause (ii)(IV), by striking*
7 *“and” at the end;*

8 *(iii) by redesignating clause (iii) as*
9 *clause (iv); and*

10 *(iv) by inserting after clause (ii) the*
11 *following:*

12 *“(iii) the Secretary shall consider the*
13 *type of semiconductor technology produced*
14 *by the covered entity and whether that semi-*
15 *conductor technology advances the economic*
16 *and national security interests of the*
17 *United States; and”;*

18 *(C) by redesignating subparagraph (D) as*
19 *subparagraph (E); and*

20 *(D) by inserting after subparagraph (C) the*
21 *following:*

22 *“(D) PRIORITY.—In awarding Federal fi-*
23 *nancial assistance to covered entities under sub-*
24 *section (a), the Secretary shall give priority to*

1 *ensuring that a covered entity receiving finan-*
2 *cial assistance will—*

3 “(i) *manufacture semiconductors nec-*
4 *essary to address gaps and vulnerabilities*
5 *in the domestic supply chain across a di-*
6 *verse range of technology and process nodes;*
7 *and*

8 “(ii) *provide a secure supply of semi-*
9 *conductors necessary for the national secu-*
10 *rity, manufacturing, critical infrastructure,*
11 *and technology leadership of the United*
12 *States and other essential elements of the*
13 *economy of the United States.”; and*

14 (2) *by adding at the end the following:*

15 “(d) *SENSE OF CONGRESS.—It is the sense of Congress*
16 *that, in carrying out subsection (a), the Secretary should*
17 *allocate funds in a manner that—*

18 “(1) *strengthens the security and resilience of the*
19 *semiconductor supply chain, including by mitigating*
20 *gaps and vulnerabilities;*

21 “(2) *provides a supply of secure semiconductors*
22 *relevant for national security;*

23 “(3) *strengthens the leadership of the United*
24 *States in semiconductor technology;*

1 “(4) grows the economy of the United States and
2 supports job creation in the United States; and

3 “(5) improves the resiliency of the semiconductor
4 supply chains of critical manufacturing industries.

5 “(e) *ADDITIONAL ASSISTANCE FOR MATURE TECH-*
6 *NOLOGY NODES.*—

7 “(1) *IN GENERAL.*—*The Secretary shall establish*
8 *within the program established under subsection (a)*
9 *an additional program that provides Federal finan-*
10 *cial assistance to covered entities to incentivize invest-*
11 *ment in facilities and equipment in the United States*
12 *for the fabrication, assembly, testing, or advanced*
13 *packaging of semiconductors at mature technology*
14 *nodes.*

15 “(2) *ELIGIBILITY AND REQUIREMENTS.*—*In*
16 *order for an entity to qualify to receive Federal fi-*
17 *nancial assistance under this subsection, the covered*
18 *entity shall—*

19 “(A) submit an application under sub-
20 section (a)(2)(A);

21 “(B) meet the eligibility requirements under
22 subsection (a)(2)(B);

23 “(C)(i) provide equipment or materials for
24 the fabrication, assembly, testing, or advanced

1 *packaging of semiconductors at mature tech-*
2 *nology nodes in the United States; or*

3 “(i) *fabricate, assemble using advanced*
4 *packaging, or test semiconductors at mature*
5 *technology nodes in the United States;*

6 “(D) *commit to using any Federal financial*
7 *assistance received under this section to increase*
8 *the production of semiconductors at mature tech-*
9 *nology nodes; and*

10 “(E) *be subject to the considerations de-*
11 *scribed in subsection (a)(2)(C).*

12 “(3) *PROCEDURES.—In granting Federal finan-*
13 *cial assistance to covered entities under this sub-*
14 *section, the Secretary may use the procedures estab-*
15 *lished under subsection (a).*

16 “(4) *CONSIDERATIONS.—In addition to the con-*
17 *siderations described in subsection (a)(2)(C), in*
18 *granting Federal financial assistance under this sec-*
19 *tion, the Secretary may consider whether a covered*
20 *entity produces or supplies equipment or materials*
21 *used in the fabrication, assembly, testing, or advanced*
22 *packaging of semiconductors at mature technology*
23 *nodes that are necessary to support a critical manu-*
24 *facturing industry.*

1 “(5) *PRIORITY.*—*In awarding Federal financial*
2 *assistance to covered entities under this subsection,*
3 *the Secretary shall give priority to covered entities*
4 *that support the resiliency of semiconductor supply*
5 *chains for critical manufacturing industries in the*
6 *United States.*

7 “(6) *AUTHORIZATION OF APPROPRIATIONS.*—
8 *There are authorized to be appropriated to the Sec-*
9 *retary to carry out this subsection \$2,000,000,000,*
10 *which shall remain available until expended.*

11 “(f) *CONSTRUCTION PROJECTS.*—*Section 602 of the*
12 *Public Works and Economic Development Act of 1965 (42*
13 *U.S.C. 3212) shall apply to a construction project that re-*
14 *ceives financial assistance from the Secretary under this*
15 *section.”.*

16 “(c) *ADVANCED MICROELECTRONICS RESEARCH AND*
17 *DEVELOPMENT.*—*Section 9906 of the William M. (Mac)*
18 *Thornberry National Defense Authorization Act for Fiscal*
19 *Year 2021 (Public Law 116–283) is amended by adding*
20 *at the end the following:*

21 “(h) *INFRASTRUCTURE GRANTS.*—*Section 602 of the*
22 *Public Works and Economic Development Act of 1965 (42*
23 *U.S.C. 3212) shall apply to a construction project that re-*
24 *ceives financial assistance from the Secretary under this*
25 *section.”.*

1 **SEC. 2507. RESEARCH INVESTMENT TO SPARK THE ECON-**
2 **OMY ACT.**

3 (a) *DEFINITIONS.—In this section:*

4 (1) *AWARD.—The term “award” includes a*
5 *grant, cooperative agreement, or other financial as-*
6 *sistance.*

7 (2) *COVID–19 PUBLIC HEALTH EMERGENCY.—*
8 *The term “COVID–19 public health emergency”*
9 *means the public health emergency declared by the*
10 *Secretary of Health and Human Services under sec-*
11 *tion 319 of the Public Health Service Act (42 U.S.C.*
12 *247d) on January 31, 2020, with respect to the*
13 *Coronavirus Disease 2019 (COVID–19).*

14 (3) *RESEARCH INSTITUTION.—The term “re-*
15 *search institution” means the following:*

16 (A) *An institution of higher education (as*
17 *defined in section 101(a) of the Higher Edu-*
18 *cation Act of 1965 (20 U.S.C. 1001(a)).*

19 (B) *A Tribal College or University (as de-*
20 *defined in section 316 of the Higher Education Act*
21 *of 1965 (20 U.S.C. 1059c)).*

22 (C) *A nonprofit entity that conducts Feder-*
23 *ally funded research.*

24 (4) *RESEARCH LABORATORY.—The term “Re-*
25 *search Laboratory” means the following:*

1 (A) *A National Laboratory (as defined in*
2 *section 2 of the Energy Policy Act of 2005 (42*
3 *U.S.C. 15801)).*

4 (B) *A Federally Funded Research and De-*
5 *velopment Center for purposes of section 35.017*
6 *of title 48, Code of Federal Regulations, or a suc-*
7 *cessor regulation.*

8 (b) *AWARD AND MODIFICATION OF GRANTS, COOPERA-*
9 *TIVE AGREEMENTS AND OTHER FINANCIAL ASSISTANCE*
10 *FOR INSTITUTIONS OF HIGHER EDUCATION, RESEARCH*
11 *LABORATORIES, AND OTHER RESEARCH INSTITUTIONS TO*
12 *ADDRESS MATTERS RELATING TO DISRUPTION CAUSED BY*
13 *COVID-19.—*

14 (1) *IN GENERAL.—Each officer specified in*
15 *paragraph (2) may exercise the authorities described*
16 *in paragraph (3).*

17 (2) *OFFICERS.—The officers specified in this*
18 *paragraph are as follows:*

19 (A) *The Secretary of Commerce, acting*
20 *through the Administrator of the National Oce-*
21 *anic and Atmospheric Administration and the*
22 *Director of the National Institute of Standards*
23 *and Technology.*

24 (B) *The Secretary of Agriculture.*

25 (C) *The Secretary of Defense.*

1 (D) *The Secretary of Education.*

2 (E) *The Secretary of Energy, acting for the*
3 *Department of Energy (with respect to Energy*
4 *Efficiency and Renewable Energy, Nuclear En-*
5 *ergy, and Fossil Research and Development) and*
6 *through the Office of Science, the Advanced Re-*
7 *search Projects Agency–Energy (ARPA–E), and*
8 *the Office of Electricity.*

9 (F) *The Secretary of Interior, acting*
10 *through the Director of the United States Geo-*
11 *logical Survey.*

12 (G) *The Secretary of Health and Human*
13 *Services, acting through the Director of the Na-*
14 *tional Institutes of Health.*

15 (H) *The Secretary of Transportation.*

16 (I) *The Administrator of the National Aero-*
17 *navics and Space Administration.*

18 (J) *The Administrator of the Environ-*
19 *mental Protection Agency.*

20 (K) *The Director of the National Science*
21 *Foundation.*

22 (3) *AUTHORITIES.—The officers specified in*
23 *paragraph (2) may—*

24 (A) *provide supplemental funding to extend*
25 *the duration of an award disrupted because of*

1 *the COVID–19 public health emergency to a re-*
2 *search institution, Research Laboratory, or indi-*
3 *vidual that was awarded before the date of the*
4 *enactment of this division, or to expand the pur-*
5 *poses of such an award, in order to—*

6 *(i) enable a postsecondary student or*
7 *post-doctoral researcher to complete work;*

8 *(ii) enable research scientists, technical*
9 *staff, research associates, and principal in-*
10 *vestigators to complete work;*

11 *(iii) extend the training of a postsec-*
12 *ondary student, or the employment of a*
13 *post-doctoral researcher, on an ongoing re-*
14 *search project for up to 2 years because of*
15 *the disruption of the job market;*

16 *(iv) create research opportunities for*
17 *up to 2 years for graduate students and*
18 *post-doctoral researchers;*

19 *(v) replace, refurbish, or otherwise*
20 *make usable laboratory animals, reagents,*
21 *equipment, or other items required for re-*
22 *search;*

23 *(vi) facilitate other research (including*
24 *field work), training, and ongoing construc-*
25 *tion activities, including at institutions*

1 that are disproportionately affected by the
2 COVID–19 public health emergency (such
3 as minority-serving institutions and 2-year
4 institutions of higher education);

5 (vii) enable experimental field cam-
6 paigns and maintenance of field infrastruc-
7 ture, including through replacement of dis-
8 rupted experimental data to enable comple-
9 tion of impacted research; and

10 (viii) support training in online course
11 delivery and virtual research experiences
12 that will improve quality and access needed
13 to continue undergraduate, graduate, and
14 post-doctoral training;

15 (B) issue awards to research institutions,
16 Research Laboratories, or other individuals to
17 conduct research on the effects of the Coronavirus
18 Disease 2019 and future potential pandemics, on
19 the effects and effectiveness of responses to such
20 diseases, and on improving the prediction of the
21 possible courses of such pandemics; and

22 (C) provide flexibility on an award for
23 funds made available to an agency, by any prior
24 or subsequent Act, by modifying the terms and
25 conditions of the award with a research institu-

1 *tion, Research Laboratory, or individual due to*
2 *facility closures or other limitations during the*
3 *COVID–19 public health emergency.*

4 (4) *MODIFICATIONS.*—*The modifications author-*
5 *ized by paragraph (3)(C) include, but are not limited*
6 *to—*

7 (A) *the provision of supplemental funding*
8 *to extend the duration of the award concerned;*
9 *and*

10 (B) *flexibility on the allowable expenses*
11 *under such award.*

12 (c) *PROCEDURES.*—*The officers specified in subsection*
13 *(b)(2) shall each establish procedures to carry out subsection*
14 *(b).*

15 (d) *EXPEDITED AWARDS.*—*Awards under subsection*
16 *(b) shall be issued as expeditiously as possible.*

17 **SEC. 2508. OFFICE OF MANUFACTURING AND INDUSTRIAL**
18 **INNOVATION POLICY.**

19 (a) *FINDINGS.*—*Congress finds the following:*

20 (1) *The general welfare, security, and economic*
21 *health and stability of the United States require a*
22 *long-term, substantial, coordinated, and multidisci-*
23 *plinary strategy and implementation of cohesive ob-*
24 *jectives to remain at the forefront of industrial inno-*
25 *vation.*

1 (2) *The large and complex innovative and tech-*
2 *nological capabilities of global supply chains and*
3 *manufacturing economies, which influence the course*
4 *of national and international manufacturing and in-*
5 *novative relevance, require appropriate attention, in-*
6 *cluding long-range inclusive planning and more im-*
7 *mediate program development, to encourage and sup-*
8 *port private manufacturing growth in the United*
9 *States and participation in the public decision-mak-*
10 *ing process.*

11 (3) *The innovative and manufacturing capabili-*
12 *ties of business in the United States, when properly*
13 *fostered, applied, and supported, can effectively assist*
14 *in improving the quality of life for people in the*
15 *United States, in anticipating and addressing emerg-*
16 *ing international, national, and local problems, and*
17 *strengthening the international economic engagement*
18 *and pioneering leadership of the United States.*

19 (4) *Just as Federal funding for science and tech-*
20 *nology represents an investment in the future, strate-*
21 *gically addressing gaps in the innovation pipeline of*
22 *the United States would—*

23 (A) *contribute to converting research and*
24 *development investments into high-value, quality*

1 *job-creating product production and capture do-*
2 *mestic and global markets; and*

3 *(B) strengthen the economic posture of the*
4 *United States.*

5 *(5) The capabilities of the United States at both*
6 *the Federal and State levels need enhanced strategic*
7 *planning and influence over policy formulation for*
8 *industrial innovation and technology development, as*
9 *well as a means to ensure an adequate workforce.*

10 ***(b) SENSE OF CONGRESS.—***

11 ***(1) PRIORITY GOALS.—It is the sense of Congress***
12 ***that manufacturing and industrial innovation should***
13 ***include contributing to the following priority goals:***

14 ***(A) Taking concrete national action to re-***
15 ***build, restore, and expand domestic manufac-***
16 ***turing capabilities, skills, and production capac-***
17 ***ity, including world-class infrastructure.***

18 ***(B) Rebuilding the industrial innovation***
19 ***commons, including common resources, technical***
20 ***knowledge, and entrepreneurial opportunities as-***
21 ***sociated with technical concepts.***

22 ***(C) Supporting domestic supply chains.***

23 ***(D) Expanding production capabilities, co-***
24 ***operation, and knowledge.***

1 (E) *Revitalizing communities harmed by*
2 *historical and poorly conceived, implemented,*
3 *and enforced regulatory and trade policies.*

4 (F) *Developing a strategy for innovation*
5 *and establishment of manufacturing industries of*
6 *the future, including adoption and production of*
7 *Industry 4.0 technology to support domestic eco-*
8 *nomie expansion, particularly manufacturers*
9 *with fewer than 800 employees, and in tradition-*
10 *ally underserved communities.*

11 (G) *Contributing to national health and se-*
12 *curity and emergency readiness and resilience,*
13 *including addressing environmental concerns.*

14 (H) *Strengthening the economy of the*
15 *United States and promoting full employment in*
16 *high-quality, high-wage jobs through useful in-*
17 *dustrial and technological innovation.*

18 (I) *Cultivating, utilizing, and enhancing*
19 *academic and industrial thought-leadership with*
20 *practical workforce development and training to*
21 *the fullest extent possible.*

22 (J) *Implementing a national strategy that*
23 *identifies and prioritizes high growth, high*
24 *value-added industries, products, and compo-*
25 *nents of national importance to the long-term*

1 *economic, environmental, national security, and*
2 *public health of the United States.*

3 (2) *NATIONAL POLICY.*—*In view of the findings*
4 *under subsection (a), it is the sense of Congress that*
5 *the Federal Government and public and private insti-*
6 *tutions in the United States should pursue a national*
7 *policy of manufacturing and industrial innovation*
8 *that includes the following principles:*

9 (A) *Ensuring global leadership in advanced*
10 *manufacturing technologies critical to the long-*
11 *term economic, environmental, and public health*
12 *of the United States, and to the long-term na-*
13 *tional security of the United States.*

14 (B) *Restoring and strengthening the indus-*
15 *trial commons of the United States, including—*

16 (i) *essential engineering and produc-*
17 *tion skills;*

18 (ii) *infrastructure for research and de-*
19 *velopment, standardization, and metrology;*

20 (iii) *process innovations and manufac-*
21 *turing know-how;*

22 (iv) *equipment; and*

23 (v) *suppliers that provide the founda-*
24 *tion for the innovativeness and competitive-*

1 *ness of all manufacturers in the United*
2 *States.*

3 *(C) Strengthening the technical, financial,*
4 *and educational commons and assets necessary*
5 *to ensure that the United States is the best posi-*
6 *tioned nation for the creation and production of*
7 *advanced technologies and products emerging*
8 *from national research and development invest-*
9 *ments.*

10 *(D) Capitalizing on the scientific and tech-*
11 *nological advances produced by researchers and*
12 *innovators in the United States by developing*
13 *capable and responsive institutions focused on*
14 *advancing the technology and manufacturing*
15 *readiness levels of those advances.*

16 *(E) Supporting the discovery, invention,*
17 *start-up, ramp-up, scale-up, and transition of*
18 *new products and manufacturing technologies to*
19 *full-scale production in the United States.*

20 *(F) Addressing the evolving needs of manu-*
21 *facturers for a diverse set of workers with the*
22 *necessary skills, training, and expertise as man-*
23 *ufacturers in the United States increase high-*
24 *quality, high-wage employment opportunities.*

1 (G) *Improving and expanding manufac-*
2 *turing engineering and technology offerings with-*
3 *in institutions of higher education, including 4-*
4 *year engineering technology programs at poly-*
5 *technic institutes and secondary schools, to be*
6 *more closely aligned with the needs of manufac-*
7 *turers in the United States and the goal of*
8 *strengthening the long-term competitiveness of*
9 *such manufacturing.*

10 (H) *Working collaboratively with Federal*
11 *agencies, State and local governments, Tribal*
12 *governments, regional authorities, institutions of*
13 *higher education, economic development organi-*
14 *zations, and labor organizations that primarily*
15 *represent workers in manufacturing to leverage*
16 *their knowledge, resources, applied research, ex-*
17 *perimental development, and programs to foster*
18 *manufacturing in the United States so as to an-*
19 *ticipate and prepare for emergencies and global,*
20 *national, and regional supply chain disruptions,*
21 *including disruptions brought on and exacer-*
22 *bated by changing environmental and other cir-*
23 *cumstances.*

24 (I) *Recognizing that, as changing cir-*
25 *cumstances require the periodic revision and ad-*

1 *aptation of this section, Congress is responsible*
2 *for—*

3 *(i) identifying and interpreting the*
4 *changes in those circumstances as they*
5 *occur; and*

6 *(ii) affecting subsequent changes to this*
7 *section, as appropriate.*

8 *(J) Reforming rules, regulations, and pol-*
9 *icy, which negatively impact domestic manufac-*
10 *turing.*

11 *(3) PROCEDURES.—It is the sense of Congress*
12 *that, in order to expedite and facilitate the implemen-*
13 *tation of the national policy described in paragraph*
14 *(2)—*

15 *(A) Federal procurement policy should—*

16 *(i) prioritize and encourage domestic*
17 *manufacturing and robust domestic supply*
18 *chains;*

19 *(ii) support means of expanding do-*
20 *mestic manufacturing job creation;*

21 *(iii) enhance manufacturing workforce*
22 *preparedness;*

23 *(iv) prioritize the development of*
24 *means to support diversity and inclusion*

1 *throughout the manufacturing and indus-*
2 *trial sector;*

3 *(v) promote the consideration of, and*
4 *support to, minority-owned and women-*
5 *owned manufacturing contractors of the*
6 *Federal Government; and*

7 *(vi) support the ingenuity and entre-*
8 *preneurship of the United States by pro-*
9 *viding enhanced attention to manufacturing*
10 *startups and small businesses in the United*
11 *States;*

12 *(B) Federal trade and monetary policies*
13 *should—*

14 *(i) ensure that global competition in*
15 *manufacturing is free, open, and fair;*

16 *(ii) prioritize policies and investments*
17 *that support domestic manufacturing*
18 *growth and innovation; and*

19 *(iii) not be utilized to offshore poor*
20 *manufacturing working conditions or de-*
21 *structive manufacturing environmental*
22 *practices;*

23 *(C) Federal policies and practices should*
24 *reasonably prioritize competitiveness for manu-*
25 *facturing and industrial innovation efforts in*

1 *the United States, but should not sacrifice the*
2 *quality of employment opportunities, including*
3 *the health and safety of workers, pay, and bene-*
4 *fits;*

5 *(D) Federal manufacturing and industrial*
6 *innovation policies, practices, and priorities*
7 *should reasonably improve environmental sus-*
8 *tainability within the manufacturing industry,*
9 *while minimizing economic impact;*

10 *(E) Federal patent policies should be devel-*
11 *oped, based on uniform principles, which have as*
12 *their objective to preserve incentives for indus-*
13 *trial technological innovation and the applica-*
14 *tion of procedures that will continue to assure*
15 *the full use of beneficial technology to serve the*
16 *public;*

17 *(F) Federal efforts should promote and sup-*
18 *port a strong system of intellectual property*
19 *rights to include trade secrets, through both pro-*
20 *tection of intellectual property rights and en-*
21 *forcement against intellectual property theft, and*
22 *broad engagement to limit foreign efforts to ille-*
23 *gally or inappropriately utilize compromised in-*
24 *tellectual property;*

1 (G) *closer relationships should be encour-*
2 *aged among practitioners of scientific and tech-*
3 *nological research and development and those*
4 *who apply those foundations to domestic com-*
5 *mmercial manufacturing;*

6 (H) *the full use of the contributions of man-*
7 *ufacturing and industrial innovation to support*
8 *State and local government goals should be en-*
9 *couraged;*

10 (I) *formal recognition should be accorded to*
11 *those persons, the manufacturing and industrial*
12 *innovation achievements of which contributed*
13 *significantly to the national welfare; and*

14 (J) *departments, agencies, and instrumen-*
15 *talities of the Federal Government should estab-*
16 *lish procedures to ensure among them the system-*
17 *atic interchange of data, efforts, and findings de-*
18 *veloped under their programs.*

19 (K) *policies, rules, and regulations that neg-*
20 *atively impact domestic manufacturing should be*
21 *reformed.*

22 (4) *IMPLEMENTATION.—To implement the na-*
23 *tional policy described in paragraph (2), it is the*
24 *sense of Congress—*

25 (A) *that—*

1 *(i) the Federal Government should*
2 *maintain integrated policy planning ele-*
3 *ments in the executive branch that assist*
4 *agencies in such branch in—*

5 *(I) identifying problems and ob-*
6 *jectives that could be addressed or en-*
7 *hanced by public policy;*

8 *(II) mobilizing industrial and in-*
9 *novative manufacturing resources for*
10 *national security and emergency re-*
11 *sponse purposes;*

12 *(III) securing appropriate fund-*
13 *ing for programs so identified by the*
14 *President or the Chief Manufacturing*
15 *Officer;*

16 *(IV) anticipating future concerns*
17 *to which industrial and innovative*
18 *manufacturing can contribute and de-*
19 *vised industrial strategies for such pur-*
20 *poses;*

21 *(V) reviewing systematically the*
22 *manufacturing and industrial innova-*
23 *tion policy and programs of the Fed-*
24 *eral Government and recommending*

1 *legislative amendments to those policies*
2 *and programs when needed; and*

3 *(VI) reforming policies, rules, and*
4 *regulations that harm domestic manu-*
5 *facturing and inhibit domestic manu-*
6 *facturing from competing with global*
7 *competitors; and*

8 *(ii) the elements described in clause (i)*
9 *should include a data collection, analysis,*
10 *and advisory mechanism within the Execu-*
11 *tive Office of the President to provide the*
12 *President with independent, expert judg-*
13 *ment and assessments of the complex manu-*
14 *facturing and industrial features involved;*
15 *and*

16 *(B) that it is the responsibility of the Fed-*
17 *eral Government to—*

18 *(i) promote prompt, effective, reliable,*
19 *and systematic dissemination of manufac-*
20 *turing and industrial information—*

21 *(I) by such methods as may be*
22 *appropriate; and*

23 *(II) through efforts conducted by*
24 *nongovernmental organizations, in-*

1 *cluding industrial groups, technical so-*
2 *cieties, and educational entities;*

3 *(ii) coordinate and develop a manufac-*
4 *turing industrial strategy and facilitate the*
5 *close coupling of this manufacturing strat-*
6 *egy with commercial manufacturing appli-*
7 *cation; and*

8 *(iii) enhance domestic development and*
9 *utilization of such industrial information*
10 *by prioritization of efforts with manufac-*
11 *turers, the production of which takes place*
12 *in the United States.*

13 *(c) ESTABLISHMENT.—*

14 *(1) IN GENERAL.—The President shall appoint,*
15 *by and with the advice and consent of the Senate, a*
16 *Chief Manufacturing Officer to serve within the Exec-*
17 *utive Office of the President.*

18 *(2) OFFICE.—*

19 *(A) IN GENERAL.—There is established in*
20 *the Executive Office of the President an Office of*
21 *Manufacturing and Industrial Innovation Policy*
22 *(referred to in this section as the “Office”).*

23 *(B) CMO.—The Chief Manufacturing Officer*
24 *shall—*

25 *(i) head the Office; and*

1 (ii) serve as a source of manufacturing
2 and industrial innovation analysis and
3 judgment for the President and the Director
4 of the National Economic Council with re-
5 spect to the major policies, plans, and pro-
6 grams of the Federal Government relating
7 to manufacturing and industrial innova-
8 tion.

9 (d) *CHIEF MANUFACTURING OFFICER; ASSOCIATE*
10 *MANUFACTURING OFFICERS.*—

11 (1) *CHIEF MANUFACTURING OFFICER.*—

12 (A) *FUNCTIONS.*—

13 (i) *PRIMARY FUNCTION.*—*To the extent*
14 *consistent with law, the Chief Manufac-*
15 *turing Officer shall report to the President,*
16 *and such agencies within the Executive Of-*
17 *fice of the President and the Director of the*
18 *National Economic Council, as may be ap-*
19 *propriate, on issues regarding and impact-*
20 *ing manufacturing and industrial innova-*
21 *tion efforts of the Federal Government, or of*
22 *the private sector, that require attention at*
23 *the highest levels of the Federal Government.*

24 (ii) *OTHER FUNCTIONS.*—*The Chief*
25 *Manufacturing Officer shall—*

1 (I) advise the President on manu-
2 facturing and industrial innovation
3 considerations relating to areas of na-
4 tional concern, including—

5 (aa) the economy of the
6 United States;

7 (bb) national security;

8 (cc) public health;

9 (dd) the workforce of the
10 United States;

11 (ee) education;

12 (ff) foreign relations (includ-
13 ing trade and supply chain
14 issues);

15 (gg) the environment; and

16 (hh) technological innovation
17 in the United States;

18 (II) convene stakeholders, includ-
19 ing key industry stakeholders, aca-
20 demic stakeholders, defense stake-
21 holders, governmental stakeholders, and
22 stakeholders from nonprofit organiza-
23 tions and labor organizations that pri-
24 marily represent workers in manufac-
25 turing, to develop the national stra-

1 *tegic plan required under subsection*
2 *(f);*

3 *(III) evaluate the scale, quality,*
4 *and effectiveness of the effort of the*
5 *Federal Government to support manu-*
6 *facturing and industrial innovation by*
7 *the Federal Government or by the pri-*
8 *vate sector, and advise on appropriate*
9 *actions;*

10 *(IV) to the extent consistent with*
11 *law, report to the President, the Direc-*
12 *tor of the National Economic Council,*
13 *the Director of the Office of Manage-*
14 *ment Budget, and such agencies within*
15 *the Executive Office of the President as*
16 *may be appropriate, advise the Presi-*
17 *dent on the budgets, regulations, and*
18 *regulatory reforms of agencies of the*
19 *executive branch of the Federal Govern-*
20 *ment with respect to issues concerning*
21 *manufacturing and industrial innova-*
22 *tion;*

23 *(V) to the extent consistent with*
24 *law, assist the President and the Direc-*
25 *tor of the National Economic Council*

1 *in providing general leadership and*
2 *coordination of activities and policies*
3 *of the Federal Government relating to*
4 *and impacting manufacturing and in-*
5 *dustrial innovation; and*

6 *(VI) perform such other functions,*
7 *duties, and activities as the President*
8 *and the Director of the National Eco-*
9 *nomics Council may assign.*

10 *(B) AUTHORITIES.—In carrying out the du-*
11 *ties and functions under this section, the Chief*
12 *Manufacturing Officer may—*

13 *(i) appoint such officers and employees*
14 *as may be determined necessary to perform*
15 *the functions vested in the position and to*
16 *prescribe the duties of such officers and em-*
17 *ployees;*

18 *(ii) obtain services as authorized under*
19 *section 3109 of title 5, United States Code,*
20 *at rates not to exceed the rate prescribed for*
21 *grade GS–15 of the General Schedule under*
22 *section 5332 of title 5, United States Code;*
23 *and*

24 *(iii) enter into contracts and other ar-*
25 *rangements for studies, analysis, and other*

1 *services with public agencies and with pri-*
2 *ivate persons, organizations, or institutions,*
3 *and make such payments as determined*
4 *necessary to carry out the provisions of this*
5 *section without legal consideration, without*
6 *performance bonds, and without regard to*
7 *section 6101 of title 41, United States Code.*

8 (2) *ASSOCIATE DIRECTORS.—*

9 (A) *IN GENERAL.—The Chief Manufac-*
10 *turing Officer may appoint not more than 5 As-*
11 *sociate Directors, to be known as Associate Man-*
12 *ufacturing Officers to carry out such functions*
13 *as may be prescribed by the Chief Manufacturing*
14 *Officer.*

15 (B) *COMPENSATION.—Each Associate Man-*
16 *ufacturing Officer shall be compensated at a rate*
17 *not to exceed that provided for level III of the*
18 *Executive Schedule under section 5314 title 5,*
19 *United States Code.*

20 (e) *POLICY PLANNING, ANALYSIS, AND ADVICE.—*

21 (1) *IN GENERAL.—In carrying out the provisions*
22 *of this section, the Chief Manufacturing Officer*
23 *shall—*

24 (A) *monitor the status of technological de-*
25 *velopments, critical production capacity, skill*

1 *availability, investment patterns, emerging de-*
2 *defense needs, and other key indicators of manufac-*
3 *turing competitiveness to—*

4 *(i) provide foresight for periodic up-*
5 *dates to the national strategic plan required*
6 *under subsection (f); and*

7 *(ii) guide investment decisions;*

8 *(B) convene interagency and public-private*
9 *working groups to align Federal policies that*
10 *drive implementation of the national strategic*
11 *plan required under subsection (f);*

12 *(C) initiate and support translation re-*
13 *search in engineering and manufacturing by en-*
14 *tering into contracts or making other arrange-*
15 *ments (including grants, awards, cooperative*
16 *agreements, loans, and other forms of assistance)*
17 *to study that research and to assess the impact*
18 *of that research on the economic well-being, cli-*
19 *mate and environmental impact, public health,*
20 *and national security of the United States;*

21 *(D) report to the President and the Director*
22 *of the National Economic Council on the extent*
23 *to which the various programs, policies, and ac-*
24 *tivities of the Federal Government are likely to*

1 *affect the achievement of priority goals of the*
2 *United States described in subsection (b)(1);*

3 *(E) annually survey the nature and needs*
4 *of the policies relating to national manufac-*
5 *turing and industrial innovation and make rec-*
6 *ommendations to the President and the Director*
7 *of the National Economic Council, for review*
8 *and submission to Congress, for the timely and*
9 *appropriate revision of the manufacturing and*
10 *industrial innovation policies of the Federal*
11 *Government, including the reform of policies,*
12 *rules, and regulations that harm domestic manu-*
13 *facturing and inhibit the ability for domestic*
14 *manufacturing to compete with global competi-*
15 *tors;*

16 *(F) perform such other duties and functions*
17 *and make and furnish such studies and reports*
18 *thereon, and recommendations with respect to*
19 *matters of policy and legislation as the President*
20 *and the Director of the National Economic*
21 *Council may request; and*

22 *(G) coordinate, as appropriate, Federal per-*
23 *mitting with respect to manufacturing and in-*
24 *dustrial innovation.*

1 (2) *INTERGOVERNMENTAL MANUFACTURING AND*
2 *INDUSTRIAL INNOVATION PANEL.—*

3 (A) *ESTABLISHMENT.—The Chief Manufac-*
4 *turing Officer shall establish an Intergovern-*
5 *mental Manufacturing and Industrial Innova-*
6 *tion Panel (referred to in this section as the*
7 *“Panel”) within the Office, the purpose of which*
8 *shall be to—*

9 (i) *identify instances in which the*
10 *policies of the Federal Government—*

11 (I) *with respect to manufacturing*
12 *and industrial innovation can help ad-*
13 *dress problems at the State and local*
14 *levels; and*

15 (II) *unnecessarily impede manu-*
16 *facturing and industrial innovation;*

17 (ii) *make recommendations for ad-*
18 *ressing the problems described in clause*
19 *(i); and*

20 (iii) *advise and assist the Chief Manu-*
21 *facturing Officer in identifying and fos-*
22 *tering policies to facilitate the application*
23 *to and incorporation of federally funded re-*
24 *search and development into manufacturing*
25 *and industrial innovation in the United*

1 *States, so as to maximize the application of*
2 *such research.*

3 (B) *COMPOSITION.*—*The Panel shall be*
4 *composed of—*

5 (i) *the Chief Manufacturing Officer, or*
6 *a representative of the Chief Manufacturing*
7 *Officer;*

8 (ii) *not fewer than 10 members rep-*
9 *resenting the interests of the States, ap-*
10 *pointed by the Chief Manufacturing Officer*
11 *after consultation with State officials;*

12 (iii) *the Director of the National Insti-*
13 *tute of Standards and Technology;*

14 (iv) *the Deputy Assistant Secretary of*
15 *Defense for Manufacturing and Industrial*
16 *Base Policy;*

17 (v) *the Assistant Secretary of Labor for*
18 *Employment and Training;*

19 (vi) *the Administrator of the Small*
20 *Business Administration; and*

21 (vii) *the Assistant Secretary of Energy*
22 *for Energy Efficiency and Renewable En-*
23 *ergy.*

1 (C) *CHAIR.*—*The Chief Manufacturing Offi-*
2 *cer, or the representative of the Chief Manufac-*
3 *turing Officer, shall serve as Chair of the Panel.*

4 (D) *MEETINGS.*—*The Panel shall meet at*
5 *the call of the Chair.*

6 (E) *COMPENSATION.*—

7 (i) *IN GENERAL.*—*Each member of the*
8 *Panel shall be entitled to receive compensa-*
9 *tion at a rate not to exceed the daily rate*
10 *prescribed for GS-15 of the General Sched-*
11 *ule under section 5332 of title 5, United*
12 *States Code, for each day (including travel*
13 *time) during which the member is engaged*
14 *in the performance of the duties of the*
15 *Panel.*

16 (ii) *TRAVEL EXPENSES.*—*Each mem-*
17 *ber of the Panel who is serving away from*
18 *the home or regular place of business of the*
19 *member in the performance of the duties of*
20 *the Panel shall be allowed travel expenses,*
21 *including per diem in lieu of subsistence, in*
22 *the same manner as the expenses authorized*
23 *by section 5703(b) of title 5, United States*
24 *Code, for persons in government service em-*
25 *ployed intermittently.*

1 (f) *NATIONAL STRATEGIC PLAN FOR MANUFACTURING*
2 *AND INDUSTRIAL INNOVATION.*—

3 (1) *STRATEGIC PLAN.*—

4 (A) *IN GENERAL.*—*Not later than 1 year*
5 *after the date of enactment of this division, the*
6 *Chief Manufacturing Officer, in coordination*
7 *with the Director of the National Economic*
8 *Council, shall, to the extent practicable, in ac-*
9 *cordance with subsection (d)(1)(A)(ii) and in*
10 *consultation with other agencies and private in-*
11 *dividuals as the Chief Manufacturing Officer de-*
12 *termines necessary, establish a national strategic*
13 *plan for manufacturing and industrial innova-*
14 *tion that identifies—*

15 (i) *short-term, medium-term, and long-*
16 *term needs critical to the economy, national*
17 *security, public health, workforce readiness,*
18 *environmental concerns, and priorities of*
19 *the United States manufacturing sector, in-*
20 *cluding emergency readiness and resilience;*
21 *and*

22 (ii) *situations and conditions that*
23 *warrant special attention by the Federal*
24 *Government relating to—*

1 (I) *any problems, constraints, or*
2 *opportunities of manufacturing and*
3 *industrial innovation that—*

4 (aa) *are of national signifi-*
5 *cance;*

6 (bb) *will occur or may*
7 *emerge during the 4-year period*
8 *beginning on the date on which*
9 *the national strategic plan is es-*
10 *tablished; and*

11 (cc) *are identified through*
12 *basic research;*

13 (II) *an evaluation of activities*
14 *and accomplishments of all agencies in*
15 *the executive branch of the Federal*
16 *Government that are related to car-*
17 *rying out such plan;*

18 (III) *opportunities for, and con-*
19 *straints on, manufacturing and indus-*
20 *trial innovation that can make a sig-*
21 *nificant contribution to—*

22 (aa) *the resolution of prob-*
23 *lems identified under this para-*
24 *graph; or*

1 *(bb) the achievement of Fed-*
2 *eral program objectives or pri-*
3 *ority goals, including those de-*
4 *scribed in subsection (b)(1); and*
5 *(IV) recommendations for pro-*
6 *posals to carry out such plan.*

7 *(B) REVISIONS.—Not later than 4 years*
8 *after the date on which the national strategic*
9 *plan is established under subparagraph (A), and*
10 *every 4 years thereafter, the Chief Manufacturing*
11 *Officer, in coordination with the Director of the*
12 *National Economic Council, shall revise that*
13 *plan so that the plan takes account of near- and*
14 *long-term problems, constraints, and opportuni-*
15 *ties and changing national goals and cir-*
16 *cumstances.*

17 *(2) CONSULTATION WITH OTHER AGENCIES.—*
18 *The Chief Manufacturing Officer shall consult, as nec-*
19 *essary, with officials of agencies in the executive*
20 *branch of the Federal Government that administer*
21 *programs or have responsibilities relating to the prob-*
22 *lems, constraints, and opportunities identified in the*
23 *national strategic plan under paragraph (1) in order*
24 *to—*

1 (A) *identify and evaluate actions that*
2 *might be taken by the Federal Government,*
3 *State, and local governments, or the private sec-*
4 *tor to deal with such problems, constraints, or*
5 *opportunities; and*

6 (B) *ensure to the extent possible that actions*
7 *identified under subparagraph (A) are consid-*
8 *ered by each agency of the executive branch of the*
9 *Federal Government in formulating proposals of*
10 *each such agency.*

11 (3) *CONSULTATION WITH MANUFACTURING*
12 *STAKEHOLDERS.—The Chief Manufacturing Officer*
13 *shall consult broadly with representatives from stake-*
14 *holder constituencies, including from technology*
15 *fields, engineering fields, manufacturing fields, aca-*
16 *ademic fields, worker training or credentialing pro-*
17 *grams, industrial sectors, business sectors, consumer*
18 *sectors, defense sector, public interest sectors, and*
19 *labor organizations which primarily represent work-*
20 *ers in manufacturing to ensure information and per-*
21 *spectives from such consultations are incorporated*
22 *within the problems, constraints, opportunities, and*
23 *actions identified in the national strategic plan under*
24 *paragraph (1).*

1 (4) *CONSULTATION WITH OMB.*—*The Chief Man-*
2 *ufacturing Officer shall consult as necessary with offi-*
3 *cial of the Office of Management and Budget and*
4 *other appropriate elements of the Executive Office of*
5 *the President to ensure that the problems, constraints,*
6 *opportunities, and actions identified under para-*
7 *graph (1) are fully considered in the development of*
8 *legislative proposals and the President’s budget.*

9 (g) *ADDITIONAL FUNCTIONS OF THE CHIEF MANUFAC-*
10 *TURING OFFICER; ADMINISTRATIVE PROVISIONS.*—

11 (1) *IN GENERAL.*—*The Chief Manufacturing Of-*
12 *ficer, in addition to the other duties and functions*
13 *under this section, shall serve—*

14 (A) *on the Federal Strategy and Coordi-*
15 *nating Council on Manufacturing and Indus-*
16 *trial Innovation established under subsection (j);*
17 *and*

18 (B) *as a member of the Domestic Policy*
19 *Council, the National Economic Council, and the*
20 *Office of Science and Technology Policy Council.*

21 (2) *ADVICE TO NATIONAL SECURITY COUNCIL.*—
22 *For the purpose of ensuring the optimal contribution*
23 *of manufacturing and industrial innovation to the*
24 *national security of the United States, the Chief Man-*
25 *ufacturing Officer, at the request of the President,*

1 *shall advise the National Security Council in such*
2 *matters concerning manufacturing and industrial in-*
3 *novation as may be related to national security.*

4 (3) *COORDINATION WITH OTHER ORGANIZA-*
5 *TIONS.—*

6 (A) *IN GENERAL.—In exercising the func-*
7 *tions under this section, the Chief Manufacturing*
8 *Officer—*

9 (i) *shall—*

10 (I) *work in close consultation and*
11 *cooperation with the Director of the*
12 *Domestic Policy Council, the National*
13 *Security Advisor, the Assistant to the*
14 *President for Economic Policy and Di-*
15 *rector of the National Economic Coun-*
16 *cil, the Director of the Office of Science*
17 *and Technology Policy, the Director of*
18 *the Office of Management and Budget,*
19 *and the heads of other agencies in the*
20 *executive branch of the Federal Govern-*
21 *ment;*

22 (II) *utilize the services of consult-*
23 *ants, establish such advisory panels,*
24 *and, to the extent practicable, consult*
25 *with—*

1 (aa) *State and local govern-*
2 *ment agencies;*

3 (bb) *appropriate professional*
4 *groups;*

5 (cc) *representatives of indus-*
6 *try, universities, consumers, labor*
7 *organizations that primarily rep-*
8 *resent workers in manufacturing;*
9 *and*

10 (dd) *such other public inter-*
11 *est groups, organizations, and in-*
12 *dividuals as may be necessary;*

13 (III) *hold such hearings in var-*
14 *ious parts of the United States as nec-*
15 *essary to determine the views of the*
16 *agencies, groups, and organizations de-*
17 *scribed in subparagraph (B), and of*
18 *the general public, concerning national*
19 *needs and trends in manufacturing*
20 *and industrial innovation; and*

21 (IV) *utilize, with the heads of*
22 *public and private agencies and orga-*
23 *nizes, to the fullest extent possible the*
24 *services, personnel, equipment, facili-*
25 *ties, and information (including statis-*

1 *tical information) of public and pri-*
2 *vate agencies and organizations, and*
3 *individuals, in order to avoid the du-*
4 *plication of efforts and expenses; and*
5 *(ii) may transfer funds made available*
6 *pursuant to this section to other agencies in*
7 *the executive branch of the Federal Govern-*
8 *ment as reimbursement for the utilization of*
9 *such personnel, services, facilities, equip-*
10 *ment, and information.*

11 *(B) FURNISHMENT OF INFORMATION.—*
12 *Each department, agency, and instrumentality*
13 *of the executive branch of the Federal Govern-*
14 *ment, including any independent agency, shall*
15 *furnish the Chief Manufacturing Officer such in-*
16 *formation as necessary to carry out this section.*

17 *(h) MANUFACTURING AND INDUSTRIAL INNOVATION*
18 *REPORT.—*

19 *(1) REPORT.—Not later than 3 years after the*
20 *date of enactment of this division, and every 4 years*
21 *thereafter, the Chief Manufacturing Officer, in con-*
22 *sultation with the Director of the National Economic*
23 *Council, shall submit to Congress a Manufacturing*
24 *and Industrial Innovation Report (referred to in this*
25 *section as the “report”) with appropriate assistance*

1 *from agencies in the executive branch of the Federal*
2 *Government and such consultants and contractors as*
3 *the Chief Manufacturing Officer determines necessary.*

4 (2) *CONTENTS OF REPORT.—Each report re-*
5 *quired under paragraph (1) shall draw upon the most*
6 *recent national strategic plan established under sub-*
7 *section (f) and shall include, to the extent practicable*
8 *and within the limitations of available knowledge and*
9 *resources—*

10 (A) *a review of developments of national*
11 *significance in manufacturing and industrial*
12 *innovation;*

13 (B) *the significant effects of trends at the*
14 *time of the submission of the report and pro-*
15 *jected trends in manufacturing and industrial*
16 *innovation on the economy, workforce, and envi-*
17 *ronmental, health and national security, and*
18 *other requirements of the United States;*

19 (C) *a review and appraisal of selected man-*
20 *ufacturing and industrial innovation related*
21 *programs, policies, and activities of the Federal*
22 *Government, including procurement;*

23 (D) *an inventory and forecast of critical*
24 *and emerging national problems, the resolution*
25 *of which might be substantially assisted by man-*

1 *ufacturing and industrial innovation in the*
2 *United States;*

3 *(E) the identification and assessment of*
4 *manufacturing and industrial innovation meas-*
5 *ures that can contribute to the resolution of the*
6 *problems described in subparagraph (D) in light*
7 *of the related economic, workforce, environ-*
8 *mental, public health, and national security con-*
9 *siderations;*

10 *(F) at the time of the submission of the re-*
11 *port, and as projected, the manufacturing and*
12 *industrial resources, including specialized man-*
13 *power, that could contribute to the resolution of*
14 *the problems described in subparagraph (D); and*

15 *(G) recommendations for legislation and*
16 *regulatory changes on manufacturing and indus-*
17 *trial innovation-related programs and policies*
18 *that will contribute to the resolution of the prob-*
19 *lems described in subparagraph (D).*

20 *(3) PREPARATION OF REPORT.—In preparing*
21 *each report required under paragraph (1), the Chief*
22 *Manufacturing Officer shall make maximum use of*
23 *relevant data available from agencies in the executive*
24 *branch of the Federal Government.*

1 (4) *PUBLIC AVAILABILITY OF REPORT.*—The
2 *Chief Manufacturing Officer shall ensure that the re-*
3 *port is made available to the public.*

4 (i) *COMPTROLLER GENERAL REPORT.*—Not later than
5 3 years after the date of enactment of this division, the
6 *Comptroller General of the United States shall submit to*
7 *the Committee on Commerce, Science, and Transportation*
8 *of the Senate, the Committee on Appropriations of the Sen-*
9 *ate, the Committee on Science, Space, and Technology of*
10 *the House of Representatives, the Committee on Energy and*
11 *Commerce of the House of Representatives, and the Com-*
12 *mittee on Appropriations of the House of Representatives,*
13 *and make available to the public, a report—*

14 (1) *containing an assessment of the efforts of the*
15 *Office to implement or advance the priority goals de-*
16 *scribed in subsection (b)(1); and*

17 (2) *providing recommendations on how to im-*
18 *prove the efforts described in paragraph (1).*

19 (j) *FEDERAL STRATEGY AND COORDINATING COUNCIL*
20 *ON MANUFACTURING AND INDUSTRIAL INNOVATION.*—There
21 *is established in the executive branch of the Federal Govern-*
22 *ment the Federal Strategy and Coordinating Council on*
23 *Manufacturing and Industrial Innovation (referred to in*
24 *this section as the “Council”).*

25 (1) *MEMBERSHIP.*—

1 (A) *IN GENERAL.*—*The Council shall be*
2 *composed of the following:*

3 (i) *The President, who shall serve as*
4 *Chair of the Council.*

5 (ii) *The Vice President.*

6 (iii) *The Secretary of Commerce.*

7 (iv) *The Secretary of Defense.*

8 (v) *The Secretary of Education.*

9 (vi) *The Secretary of Energy.*

10 (vii) *The Secretary of Health and*
11 *Human Services.*

12 (viii) *The Secretary of Housing and*
13 *Urban Development.*

14 (ix) *The Secretary of Labor.*

15 (x) *The Secretary of State.*

16 (xi) *The Secretary of Transportation.*

17 (xii) *The Secretary of the Treasury.*

18 (xiii) *The Secretary of Veterans Af-*
19 *fairs.*

20 (xiv) *The Administrator of the Envi-*
21 *ronmental Protection Agency.*

22 (xv) *The Administrator of the National*
23 *Aeronautics and Space Administration.*

24 (xvi) *The Administrator of the Small*
25 *Business Administration.*

1 (xvii) *The Director of the National*
2 *Science Foundation.*

3 (xviii) *The Director of the Office of*
4 *Management and Budget.*

5 (xix) *The Assistant to the President for*
6 *Science and Technology.*

7 (xx) *The United States Trade Rep-*
8 *resentative.*

9 (xxi) *The National Security Advisor.*

10 (xxii) *The Assistant to the President*
11 *for Economic Policy.*

12 (xxiii) *The Director of the Domestic*
13 *Policy Council.*

14 (xxiv) *The Chair of the Council of Eco-*
15 *nomics Advisers.*

16 (xxv) *The Chief Manufacturing Officer.*

17 (B) *ADDITIONAL PARTICIPANTS.—The*
18 *President may, from time to time and as nec-*
19 *essary, appoint officials in the executive branch*
20 *of the Federal Government to serve as members*
21 *of the Council.*

22 (2) *MEETINGS OF THE COUNCIL.—*

23 (A) *IN GENERAL.—The President or the*
24 *Chief Manufacturing Officer may convene meet-*
25 *ings of the Council.*

1 (B) *PRESIDING OFFICER.*—

2 (i) *IN GENERAL.*—Subject to clause
3 (ii), the President shall preside over the
4 meetings of the Council.

5 (ii) *EXCEPTION.*—If the President is
6 not present at a meeting of the Council, the
7 Vice President (and if the Vice President is
8 not present at a meeting of the Council, the
9 Chief Manufacturing Officer) shall preside
10 and be considered the chair of the Council.

11 (k) *COUNCIL ON MANUFACTURING AND INDUSTRIAL*
12 *INNOVATION FUNCTIONS.*—

13 (1) *IN GENERAL.*—The Council shall—

14 (A) consider problems and developments, in-
15 cluding concerns relating to the workforce of the
16 United States, in manufacturing and industrial
17 innovation and related activities of more than 1
18 agency in the executive branch of the Federal
19 Government;

20 (B) coordinate the manufacturing and in-
21 dustrial innovation policy-making process;

22 (C) harmonize the Federal permitting proc-
23 ess relating to manufacturing and industrial in-
24 novation, as appropriate;

1 (D) ensure manufacturing and industrial
2 innovation policy decisions and programs are
3 consistent with the priority goals described in
4 subsection (b)(1);

5 (E) help implement the priority goals de-
6 scribed in subsection (b)(1) across the Federal
7 Government;

8 (F) ensure manufacturing and industrial
9 innovation are considered in the development
10 and implementation of Federal policies and pro-
11 grams;

12 (G) achieve more effective use of
13 foundational aspects of manufacturing and in-
14 dustrial innovation, particularly scientific, engi-
15 neering, and technological resources and facili-
16 ties of agencies in the executive branch of the
17 Federal Government, including the elimination
18 of efforts that have been unwarrantedly dupli-
19 cated;

20 (H) identify—

21 (i) threats to, and vulnerabilities of,
22 supply chains;

23 (ii) workforce skills;

1 (iii) aspects of supply chains and
2 workforce skills requiring additional empha-
3 sis; and

4 (iv) for reform policies, rules, and reg-
5 ulations that harm domestic manufacturing
6 and inhibit the ability for domestic manu-
7 facturing to compete with global competi-
8 tors; and

9 (I) further international cooperation on
10 manufacturing and industrial innovation poli-
11 cies that enhance the policies of the United
12 States and internationally agreed upon policies.

13 (2) CHIEF MANUFACTURING OFFICER.—The
14 Chief Manufacturing Officer may take such actions as
15 may be necessary or appropriate to implement the
16 functions described in paragraph (1).

17 (l) COORDINATION.—The head of each agency in the
18 executive branch of the Federal Government, without regard
19 to whether the head of the agency is a member of the Coun-
20 cil, shall coordinate manufacturing and industrial innova-
21 tion policy with the Council.

22 (m) ADMINISTRATION.—

23 (1) COORDINATION WITH NATIONAL SCIENCE AND
24 TECHNOLOGY COUNCIL.—In carrying out the duties of

1 *the Council, the Council shall consult with the Na-*
2 *tional Science and Technology Council, as necessary.*

3 (2) *AD COMMITTEES; TASKS FORCES, INTER-*
4 *AGENCY GROUPS.—The Council may function through*
5 *established or ad hoc committees, task forces, or inter-*
6 *agency groups.*

7 (3) *REQUIREMENT TO COOPERATE.—Each agen-*
8 *cy in the executive branch of the Federal Government*
9 *shall—*

10 (A) *cooperate with the Council; and*

11 (B) *provide assistance, information, and*
12 *advice to the Council, as the Council may re-*
13 *quest, to the extent permitted by law.*

14 (4) *ASSISTANCE TO COUNCIL.—For the purpose*
15 *of carrying out the provisions of this section, the head*
16 *of each agency that is a member of the Council shall*
17 *furnish necessary assistance and resources to the*
18 *Council, which may include—*

19 (A) *detailing employees of the agency to the*
20 *Council to perform such functions, consistent*
21 *with the purposes of this section, as the Chair of*
22 *the Council may assign to those detailees;*

23 (B) *providing office support and printing,*
24 *as requested by the Chair of the Council; and*

1 (C) upon the request of the Chair of the
2 Council, undertake special studies for the Coun-
3 cil that come within the functions of the Council
4 described in subsection (k).

5 (n) NATIONAL MEDAL OF MANUFACTURING AND IN-
6 DUSTRIAL INNOVATION.—

7 (1) RECOMMENDATIONS.—The President shall
8 from time to time award a medal, to be known as the
9 “National Medal of Manufacturing and Industrial
10 Innovation”, on the basis of recommendations re-
11 ceived from the National Academies of Sciences, the
12 Chief Manufacturing Officer, or on the basis of such
13 other information and evidence as the President deter-
14 mines appropriate, to individuals who in the judg-
15 ment of the President are deserving of special recogni-
16 tion by reason of outstanding contributions to knowl-
17 edge in manufacturing and industrial innovation.

18 (2) NUMBER.—Not more than 20 individuals
19 may be awarded a medal under this section in any
20 one calendar year.

21 (3) CITIZENSHIP.—An individual may not be
22 awarded a medal under this section unless at the time
23 such award is made the individual—

24 (A) is a citizen or other national of the
25 United States; or

1 (B) is an individual lawfully admitted to
2 the United States for permanent residence who—

3 (i) has filed an application for petition
4 for naturalization in the manner prescribed
5 by section 334(b) of the Immigration and
6 Nationality Act (8 U.S.C. 1445(b)); and

7 (ii) is not permanently ineligible to be-
8 come a citizen of the United States.

9 (4) CEREMONIES.—The presentation of the
10 award shall be made by the President with such cere-
11 monies as determined proper, including attendance by
12 appropriate Members of Congress.

13 (o) AUTHORIZATION OF APPROPRIATIONS.—There are
14 authorized to be appropriated for each of fiscal years 2022
15 through 2026—

16 (1) \$5,000,000, for the purpose of carrying out
17 subsections (c) through (i); and

18 (2) \$5,000,000, for the purpose of carrying out
19 subsections (j) through (m).

20 **SEC. 2509. TELECOMMUNICATIONS WORKFORCE TRAINING**
21 **GRANT PROGRAM.**

22 (a) SHORT TITLE.—This section may be cited as the
23 “Improving Minority Participation And Careers in Tele-
24 communications Act” or the “IMPACT Act”.

25 (b) DEFINITIONS.—In this section:

1 (1) *ASSISTANT SECRETARY.*—*The term “Assistant*
2 *Secretary” means the Assistant Secretary of Com-*
3 *merce for Communications and Information.*

4 (2) *COVERED GRANT.*—*The term “covered grant”*
5 *means a grant awarded under subsection (c).*

6 (3) *ELIGIBLE ENTITY.*—*The term “eligible enti-*
7 *ty” means a historically Black college or university,*
8 *Tribal College or University, or minority-serving in-*
9 *stitution, or a consortium of such entities, that forms*
10 *a partnership with 1 or more of the following entities*
11 *to carry out a training program:*

12 (A) *A member of the telecommunications in-*
13 *dustry, such as a company or industry associa-*
14 *tion.*

15 (B) *A labor or labor-management organiza-*
16 *tion with experience working in the tele-*
17 *communications industry or a similar industry.*

18 (C) *The Telecommunications Industry Reg-*
19 *istered Apprenticeship Program.*

20 (D) *A nonprofit organization dedicated to*
21 *helping individuals gain employment in the tele-*
22 *communications industry.*

23 (E) *A community or technical college with*
24 *experience in providing workforce development*

1 *for individuals seeking employment in the tele-*
2 *communications industry or a similar industry.*

3 *(F) A Federal agency laboratory special-*
4 *izing in telecommunications technology.*

5 (4) *FUND.*—*The term “Fund” means the Tele-*
6 *communications Workforce Training Grant Program*
7 *Fund established under subsection (d)(1).*

8 (5) *GRANT PROGRAM.*—*The term “Grant Pro-*
9 *gram” means the Telecommunications Workforce*
10 *Training Grant Program established under subsection*
11 *(c).*

12 (6) *HISTORICALLY BLACK COLLEGE OR UNIVER-*
13 *SITY.*—*The term “historically Black college or univer-*
14 *sity” has the meaning given the term “part B institu-*
15 *tion” in section 322 of the Higher Education Act of*
16 *1965 (20 U.S.C. 1061).*

17 (7) *INDUSTRY FIELD ACTIVITIES.*—*The term “in-*
18 *dustry field activities” means activities at active tele-*
19 *communications, cable, and broadband network work-*
20 *sites, such as towers, construction sites, and network*
21 *management hubs.*

22 (8) *INDUSTRY PARTNER.*—*The term “industry*
23 *partner” means an entity described in subparagraphs*
24 *(A) through (F) of paragraph (3) with which an eligi-*

1 *ble entity forms a partnership to carry out a training*
2 *program.*

3 (9) *MINORITY-SERVING INSTITUTION.*—*The term*
4 *“minority-serving institution” means an institution*
5 *described in section 371(a) of the Higher Education*
6 *Act of 1965 (20 U.S.C. 1067q(a)).*

7 (10) *TRAINING PROGRAM.*—*The term “training*
8 *program” means a credit or non-credit program de-*
9 *veloped by an eligible entity, in partnership with an*
10 *industry partner, that—*

11 (A) *is designed to educate and train stu-*
12 *dents to participate in the telecommunications*
13 *workforce; and*

14 (B) *includes a curriculum and apprentice-*
15 *ship or internship opportunities that can also be*
16 *paired with—*

17 (i) *a degree program; or*

18 (ii) *stacked credentialing toward a de-*
19 *gree.*

20 (11) *TRIBAL COLLEGE OR UNIVERSITY.*—*The*
21 *term “Tribal College or University” has the meaning*
22 *given the term in section 316(b)(3) of the Higher*
23 *Education Act of 1965 (20 U.S.C. 1059c(b)(3)).*

24 (c) *PROGRAM.*—*The Assistant Secretary, acting*
25 *through the Office of Minority Broadband Initiatives estab-*

1 lished under section 902(b)(1) of division N of the Consoli-
2 dated Appropriations Act, 2021 (Public Law 116–260),
3 shall establish a program, to be known as the “Tele-
4 communications Workforce Training Grant Program”,
5 under which the Assistant Secretary awards grants to eligi-
6 ble entities to develop training programs.

7 (d) FUND.—

8 (1) ESTABLISHMENT.—There is established in
9 the Treasury of the United States a fund to be known
10 as the “Telecommunications Workforce Training
11 Grant Program Fund”.

12 (2) AVAILABILITY.—Amounts in the Fund shall
13 be available to the Assistant Secretary to carry out
14 the Grant Program.

15 (e) APPLICATION.—

16 (1) IN GENERAL.—An eligible entity desiring a
17 covered grant shall submit an application to the As-
18 sistant Secretary at such time, in such manner, and
19 containing such information as the Assistant Sec-
20 retary may require.

21 (2) CONTENTS.—An eligible entity shall include
22 in an application under paragraph (1)—

23 (A) a commitment from the industry part-
24 ner of the eligible entity to collaborate with the
25 eligible entity to develop a training program, in-

1 *cluding curricula and internships or apprentice-*
2 *ships;*

3 *(B) a description of how the eligible entity*
4 *plans to use the covered grant, including the type*
5 *of training program the eligible entity plans to*
6 *develop;*

7 *(C) a plan for recruitment of students and*
8 *potential students to participate in the training*
9 *program;*

10 *(D) a plan to increase female student par-*
11 *ticipation in the training program of the eligible*
12 *entity; and*

13 *(E) a description of potential jobs to be se-*
14 *cured through the training program, including*
15 *jobs in the communities surrounding the eligible*
16 *entity.*

17 *(f) USE OF FUNDS.—An eligible entity may use a cov-*
18 *ered grant, with respect to the training program of the eligi-*
19 *ble entity, to—*

20 *(1) hire faculty members to teach courses in the*
21 *training program;*

22 *(2) train faculty members to prepare students for*
23 *employment in jobs related to the deployment of next-*
24 *generation wired and wireless communications net-*

1 *works, including 5G networks, hybrid fiber-coaxial*
2 *networks, and fiber infrastructure, particularly in—*

3 *(A) broadband and wireless network engi-*
4 *neering;*

5 *(B) network deployment, operation, and*
6 *maintenance;*

7 *(C) industry field activities; and*

8 *(D) cloud networks, data centers, and cyber-*
9 *security;*

10 *(3) design and develop curricula and other com-*
11 *ponents necessary for degrees, courses, or programs of*
12 *study, including certificate programs and*
13 *credentialing programs, that comprise the training*
14 *program;*

15 *(4) pay for costs associated with instruction*
16 *under the training program, including the costs of*
17 *equipment, telecommunications training towers, lab-*
18 *oratory space, classroom space, and instructional field*
19 *activities;*

20 *(5) fund scholarships, student internships, ap-*
21 *prenticeships, and pre-apprenticeship opportunities;*

22 *(6) recruit students for the training program;*
23 *and*

24 *(7) support the enrollment in the training pro-*
25 *gram of individuals working in the telecommuni-*

1 *cations industry in order to advance professionally in*
2 *the industry.*

3 *(g) GRANT AWARDS.—*

4 *(1) DEADLINE.—Not later than 2 years after the*
5 *date on which amounts are appropriated to the Fund*
6 *pursuant to subsection (m), the Assistant Secretary*
7 *shall award all covered grants.*

8 *(2) MINIMUM ALLOCATION TO CERTAIN ENTI-*
9 *TIES.—The Assistant Secretary shall award not less*
10 *than—*

11 *(A) 30 percent of covered grant amounts to*
12 *historically Black colleges or universities; and*

13 *(B) 30 percent of covered grant amounts to*
14 *Tribal Colleges or Universities.*

15 *(3) EVALUATION CRITERIA.—As part of the final*
16 *rules issued under subsection (h), the Assistant Sec-*
17 *retary shall develop criteria for evaluating applica-*
18 *tions for covered grants.*

19 *(4) COORDINATION.—The Assistant Secretary*
20 *shall ensure that grant amounts awarded under para-*
21 *graph (2) are coordinated with, and do not duplicate*
22 *the specific use of, grant amounts provided under sec-*
23 *tion 902 of division N of the Consolidated Appropria-*
24 *tions Act, 2021 (Public Law 116–260).*

1 (5) *CONSTRUCTION.*—*In awarding grants under*
2 *this section for training or education relating to con-*
3 *struction, the Assistant Secretary may prioritize ap-*
4 *plicants that partner with apprenticeship programs,*
5 *pre-apprenticeship programs, or public two-year com-*
6 *munity or technical colleges that have a written*
7 *agreement with one or more apprenticeship programs.*

8 (h) *RULES.*—*Not later than 180 days after the date*
9 *of enactment of this division, after providing public notice*
10 *and an opportunity to comment, the Assistant Secretary,*
11 *in consultation with the Secretary of Labor and the Sec-*
12 *retary of Education, shall issue final rules governing the*
13 *Grant Program.*

14 (i) *TERM.*—*The Assistant Secretary shall establish the*
15 *term of a covered grant, which may not be less than 5 years.*

16 (j) *GRANTEE REPORTS.*—*During the term of a covered*
17 *grant received by an eligible entity, the eligible entity shall*
18 *submit to the Assistant Secretary a semiannual report that,*
19 *with respect to the preceding 6-month period—*

20 (1) *describes how the eligible entity used the cov-*
21 *ered grant amounts;*

22 (2) *describes the progress the eligible entity made*
23 *in developing and executing the training program of*
24 *the eligible entity;*

1 (3) describes the number of faculty and students
2 participating in the training program of the eligible
3 entity;

4 (4) describes the partnership with the industry
5 partner of the eligible entity, including—

6 (A) the commitments and in-kind contribu-
7 tions made by the industry partner; and

8 (B) the role of the industry partner in cur-
9 riculum development, the degree program, and
10 internships and apprenticeships; and

11 (5) includes data on internship, apprenticeship,
12 and employment opportunities and placements.

13 (k) *OVERSIGHT.*—

14 (1) *AUDITS.*—The Inspector General of the De-
15 partment of Commerce shall audit the Grant Program
16 in order to—

17 (A) ensure that eligible entities use covered
18 grant amounts in accordance with—

19 (i) the requirements of this section; and

20 (ii) the overall purpose of the Grant
21 Program, as described in subsection (c); and

22 (B) prevent waste, fraud, and abuse in the
23 operation of the Grant Program.

24 (2) *REVOCATION OF FUNDS.*—The Assistant Sec-
25 retary shall revoke a grant awarded to an eligible en-

1 *tity that is not in compliance with the requirements*
2 *of this section or the overall purpose of the Grant Pro-*
3 *gram, as described in subsection (c).*

4 *(l) ANNUAL REPORT TO CONGRESS.—Each year, until*
5 *all covered grants have expired, the Assistant Secretary*
6 *shall submit to Congress a report that—*

7 *(1) identifies each eligible entity that received a*
8 *covered grant and the amount of the covered grant;*

9 *(2) describes the progress each eligible entity de-*
10 *scribed in paragraph (1) has made toward accom-*
11 *plishing the overall purpose of the Grant Program, as*
12 *described in subsection (c);*

13 *(3) summarizes the job placement status or ap-*
14 *prenticeship opportunities of students who have par-*
15 *ticipated in the training program of the eligible enti-*
16 *ty; and*

17 *(4) includes the findings of any audits conducted*
18 *by the Inspector General of the Department of Com-*
19 *merce under subsection (k)(1) that were not included*
20 *in the previous report submitted under this sub-*
21 *section.*

22 *(m) AUTHORIZATION OF APPROPRIATIONS.—*

23 *(1) IN GENERAL.—There is authorized to be ap-*
24 *propriated to the Fund a total of \$100,000,000 for fis-*

1 *cal years 2022 through 2027, to remain available*
2 *until expended.*

3 (2) *ADMINISTRATION.—The Assistant Secretary*
4 *may use not more than 2 percent of the amounts ap-*
5 *propriated to the Fund for the administration of the*
6 *Grant Program.*

7 **SEC. 2510. COUNTRY OF ORIGIN LABELING ONLINE ACT.**

8 (a) *MANDATORY ORIGIN AND LOCATION DISCLOSURE*
9 *FOR PRODUCTS OFFERED FOR SALE ON THE INTERNET.—*

10 (1) *IN GENERAL.—It shall be unlawful for a*
11 *product that is required to be marked under section*
12 *304 of the Tariff Act of 1930 (19 U.S.C. 1304) or its*
13 *implementing regulations to be introduced, sold, ad-*
14 *vertised, or offered for sale in commerce on an inter-*
15 *net website unless the internet website description of*
16 *the product—*

17 (A)(i) *indicates in a conspicuous place the*
18 *country of origin of the product, in a manner*
19 *consistent with the regulations prescribed under*
20 *section 304 of the Tariff Act of 1930 (19 U.S.C.*
21 *1304) and the country of origin marking regula-*
22 *tions administered by U.S. Customs and Border*
23 *Protection; and*

24 (ii) *includes, in the case of—*

1 (I) a new passenger motor vehicle (as
2 defined in section 32304 of title 49, United
3 States Code), the disclosure required by such
4 section;

5 (II) a textile fiber product (as defined
6 in section 2 of the Textile Fiber Products
7 Identification Act (15 U.S.C. 70b)), the dis-
8 closure required by such Act;

9 (III) a wool product (as defined in sec-
10 tion 2 of the Wool Products Labeling Act of
11 1939 (15 U.S.C. 68)), the disclosure re-
12 quired by such Act;

13 (IV) a fur product (as defined in sec-
14 tion 2 of the Fur Products Labeling Act (15
15 U.S.C. 69)), the disclosure required by such
16 Act; and

17 (V) a covered commodity (as defined in
18 section 281 of the Agricultural Marketing
19 Act of 1946 (7 U.S.C. 1638)), the country of
20 origin information required by section 282
21 of such Act (7 U.S.C. 1638a); and

22 (B) indicates in a conspicuous place the
23 country in which the seller of the product is lo-
24 cated (and, if applicable, the country in which
25 any parent corporation of such seller is located).

1 (2) *LIMITATION.*—*The disclosure of a product’s*
2 *country of origin required pursuant to paragraph*
3 *(1)(A) shall not be made in such a manner as to rep-*
4 *resent to a consumer that the product is in whole, or*
5 *part, of United States origin, unless such disclosure*
6 *is consistent with section 5 of the Federal Trade Com-*
7 *mission Act (15 U.S.C. 45(a)), provided that no other*
8 *Federal statute applies.*

9 (3) *CERTAIN DRUG PRODUCTS.*—*It shall be un-*
10 *lawful for a drug that is not subject to section*
11 *503(b)(1) of the Federal Food, Drug, and Cosmetic*
12 *Act (21 U.S.C. 353(b)(1)) and that is required to be*
13 *marked under section 304 of the Tariff Act of 1930*
14 *(19 U.S.C. 1304) to be offered for sale in commerce*
15 *to consumers on an internet website unless the inter-*
16 *net website description of the drug indicates in a con-*
17 *spicuous manner the name and place of business of*
18 *the manufacturer, packer, or distributor that is re-*
19 *quired to appear on the label of the drug in accord-*
20 *ance with section 502(b) of the Federal Food, Drug,*
21 *and Cosmetic Act (21 U.S.C. 352(b)).*

22 **(b) PROHIBITION ON FALSE AND MISLEADING REP-**
23 **RESENTATION OF UNITED STATES ORIGIN ON PROD-**
24 **UCTS.**—

1 (1) *UNLAWFUL ACTIVITY.*—Notwithstanding any
2 other provision of law, it shall be unlawful to make
3 any false or deceptive representation that a product
4 or its parts or processing are of United States origin
5 in any labeling, advertising, or other promotional
6 materials, or any other form of marketing, including
7 marketing through digital or electronic means in the
8 United States.

9 (2) *DECEPTIVE REPRESENTATION.*—For pur-
10 poses of paragraph (1), a representation that a prod-
11 uct is in whole, or in part, of United States origin
12 is deceptive if, at the time the representation is made,
13 such claim is not consistent with section 5 of the Fed-
14 eral Trade Commission Act (15 U.S.C. 45(a)), pro-
15 vided that no other Federal statute applies.

16 (c) *ENFORCEMENT BY COMMISSION.*—

17 (1) *UNFAIR OR DECEPTIVE ACTS OR PRAC-*
18 *TICES.*—A violation of subsection (a) or (b) shall be
19 treated as a violation of a rule under section
20 18(a)(1)(B) of the Federal Trade Commission Act (15
21 U.S.C. 57a(a)(1)(B)).

22 (2) *POWERS OF THE COMMISSION.*—

23 (A) *IN GENERAL.*—The Commission shall
24 enforce this section in the same manner, by the
25 same means, and with the same jurisdiction,

1 *powers, and duties as though all applicable*
2 *terms and provisions of the Federal Trade Com-*
3 *mission Act (15 U.S.C. 41 et seq.) were incor-*
4 *porated into and made a part of this section.*

5 *(B) PRIVILEGES AND IMMUNITIES.—Any*
6 *person that violates subsection (a) or (b) shall be*
7 *subject to the penalties and entitled to the privi-*
8 *leges and immunities provided in the Federal*
9 *Trade Commission Act (15 U.S.C. 41 et seq.) as*
10 *though all applicable terms and provisions of*
11 *that Act were incorporated and made part of*
12 *this section.*

13 *(C) AUTHORITY PRESERVED.—Nothing in*
14 *this section may be construed to limit the au-*
15 *thority of the Commission under any other pro-*
16 *vision of law.*

17 *(3) INTERAGENCY AGREEMENT.—Not later than*
18 *6 months after the date of enactment of this division,*
19 *the Commission and U.S. Customs and Border Pro-*
20 *tection shall—*

21 *(A) enter into a Memorandum of Under-*
22 *standing or other appropriate agreement for the*
23 *purpose of providing consistent implementation*
24 *of this section; and*

1 (B) publish such agreement to provide pub-
2 lic guidance.

3 (4) *DEFINITION OF COMMISSION.*—*In this sub-*
4 *section, the term “Commission” means the Federal*
5 *Trade Commission.*

6 (d) *EFFECTIVE DATE.*—*This section shall take effect*
7 *9 months after the date of enactment of this division.*

8 **SEC. 2511. COUNTRY OF ORIGIN LABELING FOR KING CRAB**
9 **AND TANNER CRAB.**

10 *Section 281(7)(B) of the Agricultural Marketing Act*
11 *of 1946 (7 U.S.C. 1638(7)(B)) is amended—*

12 (1) *by striking “includes a fillet” and inserting*
13 *“includes—*

14 *“(i) a fillet”;*

15 (2) *by striking the period at the end and insert-*
16 *ing “; and”; and*

17 (3) *by adding at the end the following:*

18 *“(ii) whole cooked king crab and tan-*
19 *ner crab and cooked king crab and tanner*
20 *crab sections.”.*

21 **SEC. 2512. INTERNET EXCHANGES AND SUBMARINE CA-**
22 **BLES.**

23 (a) *DEFINITIONS.*—*In this section:*

1 (1) *ASSISTANT SECRETARY.*—*The term “Assistant*
2 *Secretary” means the Assistant Secretary of Com-*
3 *merce for Communications and Information.*

4 (2) *CORE BASED STATISTICAL AREA.*—*The term*
5 *“core based statistical area” has the meaning given*
6 *the term by the Office of Management and Budget in*
7 *the Notice of Decision entitled “2010 Standards for*
8 *Delineating Metropolitan and Micropolitan Statis-*
9 *tical Areas”, published in the Federal Register on*
10 *June 28, 2010 (75 Fed. Reg. 37246), or any successor*
11 *to that Notice.*

12 (3) *COVERED GRANT.*—*The term “covered grant”*
13 *means a grant awarded under subsection (b)(1).*

14 (4) *INDIAN TRIBE.*—*The term “Indian Tribe”—*

15 (A) *has the meaning given the term in sec-*
16 *tion 4 of the Indian Self-Determination and*
17 *Education Assistance Act (25 U.S.C. 5304); and*

18 (B) *includes a Native Hawaiian organiza-*
19 *tion, as that term is defined in section 6207 of*
20 *the Native Hawaiian Education Act (20 U.S.C.*
21 *7517).*

22 (5) *INTERNET EXCHANGE FACILITY.*—*The term*
23 *“internet exchange facility” means physical infra-*
24 *structure through which internet service providers*

1 *and content delivery networks exchange internet traf-*
2 *fic between their networks.*

3 (6) *STATE.*—*The term “State” has the meaning*
4 *given the term in section 3 of the Communications*
5 *Act of 1934 (47 U.S.C. 153).*

6 (7) *SUBMARINE CABLE LANDING STATION.*—*The*
7 *term “submarine cable landing station” means a*
8 *cable landing station, as that term is used in section*
9 *1.767(a)(5) of title 47, Code of Federal Regulations*
10 *(or any successor regulation), that can be utilized to*
11 *land a submarine cable by an entity that has ob-*
12 *tained a license under the first section of the Act enti-*
13 *tled “An Act relating to the landing and operation of*
14 *submarine cables in the United States”, approved*
15 *May 27, 1921 (47 U.S.C. 34) (commonly known as*
16 *the “Cable Landing Licensing Act”).*

17 (b) *INTERNET EXCHANGE FACILITY GRANTS.*—

18 (1) *GRANTS.*—*Not later than 1 year after the*
19 *date on which amounts are made available under sub-*
20 *section (e), the Assistant Secretary shall award grants*
21 *to entities to acquire real property and necessary*
22 *equipment to—*

23 (A) *establish a new internet exchange facil-*
24 *ity in a core based statistical area in which, at*

1 *the time the grant is awarded, there are no exist-*
2 *ing internet exchange facilities; or*

3 *(B) expand operations at an existing inter-*
4 *net exchange facility in a core based statistical*
5 *area in which, at the time the grant is awarded,*
6 *there is only 1 internet exchange facility.*

7 (2) *ELIGIBILITY.—To be eligible to receive a cov-*
8 *ered grant, an entity shall—*

9 *(A) have sufficient interest from third party*
10 *entities that will use the internet exchange facil-*
11 *ity to be funded by the grant once the facility is*
12 *established or operations are expanded, as appli-*
13 *cable;*

14 *(B) have sovereign control over the land or*
15 *building in which the internet exchange facility*
16 *is to be housed;*

17 *(C) provide evidence of direct conduit, duct,*
18 *and manhole access to public rights-of-way;*

19 *(D) have a plan to establish security proto-*
20 *cols for the internet exchange facility to prevent*
21 *physical or electronic intrusion from unauthor-*
22 *ized users; and*

23 *(E) provide other information required by*
24 *the Assistant Secretary to protect against waste,*
25 *fraud, or abuse.*

1 (3) *FEDERAL SHARE.*—*The Federal share of the*
2 *total cost of the establishment of, or expansion of op-*
3 *erations at, an internet exchange facility for which a*
4 *covered grant is awarded may not exceed 50 percent.*

5 (4) *GRANT AMOUNT.*—*The amount of a covered*
6 *grant may not exceed \$3,000,000.*

7 (5) *APPLICATIONS.*—

8 (A) *RULES AND TIMELINES.*—*Not later*
9 *than 1 year after the date of enactment of this*
10 *division, the Assistant Secretary shall establish*
11 *rules and timelines for applications for—*

12 (i) *covered grants; and*

13 (ii) *grants under subsection (c).*

14 (B) *THIRD PARTY REVIEW.*—*To prevent*
15 *fraud in the covered grant program, the Assist-*
16 *ant Secretary shall enter into a contract with an*
17 *independent third party under which the third*
18 *party reviews an application for a covered grant*
19 *not later than 60 days after the date on which*
20 *the application is submitted to ensure that only*
21 *an entity that is eligible for a covered grant re-*
22 *ceives a covered grant.*

23 (6) *RULE OF CONSTRUCTION.*—*Nothing in this*
24 *subsection shall be construed to authorize the Assist-*
25 *ant Secretary to regulate, issue guidance for, or other-*

1 *wise interfere with the activities at an internet ex-*
2 *change facility.*

3 (c) *SUBMARINE CABLE LANDING STATION GRANTS.*—

4 *Not later than 1 year after the date on which amounts are*
5 *made available under subsection (e), and in accordance*
6 *with the rules and timelines established under subsection*
7 *(b)(5)(A), the Assistant Secretary shall award grants to*
8 *States and Indian Tribes to build infrastructure and ac-*
9 *quire necessary equipment to establish or expand an open-*
10 *access, carrier-neutral submarine cable landing station that*
11 *serves a military facility.*

12 (d) *REPORT.*—*Not later than 5 years after the date*
13 *of enactment of this division, and annually thereafter for*
14 *5 years, the Assistant Secretary shall submit a report on*
15 *outcomes of grants awarded under this section to—*

16 (1) *the Committee on Commerce, Science, and*
17 *Transportation of the Senate; and*

18 (2) *the Committee on Energy and Commerce of*
19 *the House of Representatives.*

20 (e) *AUTHORIZATION OF APPROPRIATIONS.*—

21 (1) *IN GENERAL.*—*There is authorized to be ap-*
22 *propriated \$35,000,000 to carry out subsections (b)*
23 *and (c).*

24 (2) *LIMITATION.*—*The Assistant Secretary may*
25 *not use more than 10 percent of the amounts made*

1 *available under paragraph (1) to administer and re-*
 2 *port on the outcomes of grants awarded under this*
 3 *section.*

4 (f) *RETURN OF CERTAIN GRANT AMOUNTS.—The As-*
 5 *stant Secretary may require a recipient of a grant award-*
 6 *ed under subsection (b) or (c) to return all or a portion*
 7 *of the grant amount if there is evidence of waste, fraud,*
 8 *or abuse of grant funds by the recipient.*

9 **SEC. 2513. STUDY OF SISTER CITY PARTNERSHIPS OPER-**
 10 **ATING WITHIN THE UNITED STATES INVOLV-**
 11 **ING FOREIGN COMMUNITIES IN COUNTRIES**
 12 **WITH SIGNIFICANT PUBLIC SECTOR CORRUP-**
 13 **TION.**

14 (a) *SHORT TITLE.—This section may be cited as the*
 15 *“Sister City Transparency Act”.*

16 (b) *DEFINITIONS.—In this section:*

17 (1) *APPROPRIATE CONGRESSIONAL COMMIT-*
 18 *TEES.—The term “appropriate congressional commit-*
 19 *tees” means—*

20 (A) *the Committee on Foreign Relations of*
 21 *the Senate;*

22 (B) *the Committee on Health, Education,*
 23 *Labor, and Pensions of the Senate;*

24 (C) *the Committee on Armed Services of the*
 25 *Senate;*

1 (D) the Committee on Foreign Affairs of the
2 House of Representatives;

3 (E) the Committee on Education and Labor
4 of the House of Representatives; and

5 (F) the Committee on Armed Services of the
6 House of Representatives.

7 (2) *FOREIGN COMMUNITY*.—The term “foreign
8 community” means any subnational unit of govern-
9 ment outside of the United States.

10 (3) *SISTER CITY PARTNERSHIP*.—The term “sis-
11 ter city partnership” means a formal agreement be-
12 tween a United States community and a foreign com-
13 munity that—

14 (A) is recognized by Sister Cities Inter-
15 national; and

16 (B) is operating within the United States.

17 (4) *UNITED STATES COMMUNITY*.—The term
18 “United States community” means a State, county,
19 city, or other unit of local government in the United
20 States.

21 (c) *STUDY OF SISTER CITY PARTNERSHIPS OPER-*
22 *ATING WITHIN THE UNITED STATES INVOLVING FOREIGN*
23 *COMMUNITIES IN COUNTRIES WITH SIGNIFICANT PUBLIC*
24 *SECTOR CORRUPTION*.—

1 (1) *IN GENERAL.*—*The Comptroller General of*
2 *the United States shall conduct a study of the activi-*
3 *ties of sister city partnerships involving foreign com-*
4 *munities in countries receiving a score of 45 or less*
5 *on Transparency International’s 2019 Corruption*
6 *Perceptions Index.*

7 (2) *ELEMENTS OF THE STUDY.*—*The study con-*
8 *ducted under paragraph (1) shall—*

9 (A) *identify—*

10 (i) *the criteria by which foreign com-*
11 *munities identify United States commu-*
12 *nities as candidates for sister city partner-*
13 *ships, including themes with respect to the*
14 *prominent economic activities and demo-*
15 *graphics of such United States commu-*
16 *nities;*

17 (ii) *the activities conducted within sis-*
18 *ter city partnerships;*

19 (iii) *the economic and educational out-*
20 *comes of such activities;*

21 (iv) *the types of information that sister*
22 *city partnerships make publicly available,*
23 *including information relating to contracts*
24 *and activities;*

1 (v) the means by which United States
2 communities safeguard freedom of expres-
3 sion within sister city partnerships; and

4 (vi) the oversight practices that United
5 States communities implement to mitigate
6 the risks of foreign espionage and economic
7 coercion within sister city partnerships;

8 (B) assess—

9 (i) the extent to which United States
10 communities ensure transparency regarding
11 sister city partnership contracts and activi-
12 ties;

13 (ii) the extent to which sister city part-
14 nerships involve economic arrangements
15 that make United States communities vul-
16 nerable to malign market practices;

17 (iii) the extent to which sister city
18 partnerships involve educational arrange-
19 ments that diminish the freedom of expres-
20 sion;

21 (iv) the extent to which sister city
22 partnerships allow foreign nationals to ac-
23 cess local commercial, educational, and po-
24 litical institutions;

1 (v) *the extent to which foreign commu-*
2 *nities could use sister city partnerships to*
3 *realize strategic objectives that do not con-*
4 *duce to the economic and national security*
5 *interests of the United States;*

6 (vi) *the extent to which sister city*
7 *partnerships could enable or otherwise con-*
8 *tribute to foreign communities' malign ac-*
9 *tivities globally, including activities relat-*
10 *ing to human rights abuses and academic*
11 *and industrial espionage; and*

12 (vii) *the extent to which United States*
13 *communities seek to mitigate foreign na-*
14 *tionals' potentially inappropriate use of*
15 *visa programs to participate in activities*
16 *relating to sister city partnerships; and*

17 (C) *review—*

18 (i) *the range of activities conducted*
19 *within sister city partnerships, including*
20 *activities relating to cultural exchange and*
21 *economic development;*

22 (ii) *how such activities differ between*
23 *sister city partnerships; and*

1 (iii) best practices to ensure trans-
2 parency regarding sister city partnerships'
3 agreements, activities, and employees.

4 (3) *REPORT.*—

5 (A) *IN GENERAL.*—Not later than 6 months
6 after initiating the study required under para-
7 graph (1), the Comptroller General shall submit
8 a report to the appropriate congressional com-
9 mittees that contains the results of such study,
10 including the findings, conclusions, and rec-
11 ommendations (if any) of the study.

12 (B) *FORM.*—The report required under sub-
13 paragraph (A) may include a classified annex, if
14 necessary.

15 **SEC. 2514. PROHIBITION ON TRANSFER, ASSIGNMENT, OR**
16 **DISPOSITION OF CONSTRUCTION PERMITS**
17 **AND STATION LICENSES TO ENTITIES SUB-**
18 **JECT TO UNDUE INFLUENCE BY THE CHI-**
19 **NESE COMMUNIST PARTY OR THE GOVERN-**
20 **MENT OF THE PEOPLE'S REPUBLIC OF CHINA.**

21 The Federal Communications Commission shall, pur-
22 suant to section 310 of the Communications Act of 1934
23 (47 U.S.C. 310), prohibit the transfer, assignment, or dis-
24 position of construction permits and station licenses to an
25 entity that is subject to undue influence by the Chinese

1 *Communist Party or the Government of the People's Repub-*
2 *lic of China.*

3 **SEC. 2515. LIMITATION ON NUCLEAR COOPERATION WITH**
4 **THE PEOPLE'S REPUBLIC OF CHINA.**

5 *(a) IN GENERAL.—The President shall not—*

6 *(1) develop, design, plan, promulgate, imple-*
7 *ment, or execute a bilateral policy, program, order, or*
8 *contract of any kind to participate in, collaborate on,*
9 *or coordinate bilaterally in any manner with respect*
10 *to nuclear cooperation activities, or otherwise engage*
11 *in nuclear cooperation, with—*

12 *(A) the Government of the People's Republic*
13 *of China; or*

14 *(B) any company—*

15 *(i) owned by the Government of the*
16 *People's Republic of China; or*

17 *(ii) incorporated under the laws of the*
18 *People's Republic of China; or*

19 *(2) allow any agency of the United States Gov-*
20 *ernment to host official visitors at a facility belonging*
21 *to the agency if those visitors are—*

22 *(A) officials, corporate officers, or principal*
23 *shareholders of any entity described in subpara-*
24 *graph (A) or (B) of paragraph (1); or*

1 (B) individuals subject to undue influence
2 by the individuals described in subparagraph
3 (A).

4 (b) *REVIEW OF PRIOR NUCLEAR COOPERATION AND*
5 *ASSOCIATED IMPACTS.*—

6 (1) *AGREEMENT.*—Not later than 60 days after
7 the date of enactment of this division, the Secretary
8 of State shall seek to enter into an agreement with the
9 National Academy of Public Administration (referred
10 to in this section as the “National Academy”) to
11 carry out the review and assessment described in
12 paragraph (2) and submit the report described in
13 paragraph (3).

14 (2) *REVIEW AND ASSESSMENT.*—

15 (A) *IN GENERAL.*—Under the agreement de-
16 scribed in paragraph (1), the National Academy
17 shall—

18 (i) conduct a review of nuclear co-
19 operation during the 25-year period ending
20 on the date of enactment of this division be-
21 tween the United States Government and
22 the People’s Republic of China, including
23 the role of the Department of State in facili-
24 tating such cooperation; and

1 (ii) perform an assessment of the im-
2 plications of the cooperation described in
3 clause (i) on the national security of the
4 United States.

5 (B) *ELEMENTS*.—In conducting the review
6 and assessment under subparagraph (A), the Na-
7 tional Academy shall examine all cooperative ac-
8 tivities relating to nuclear cooperation between
9 the United States Government and the People’s
10 Republic of China during the 25-year period
11 ending on the date of enactment of this division,
12 including—

13 (i) all trips relating to nuclear co-
14 operation taken by officials of the Depart-
15 ment of State to the People’s Republic of
16 China;

17 (ii) all exchanges of goods, services,
18 data, or information between officials of the
19 United States Government and an entity
20 described in subparagraph (A) or (B) of
21 subsection (a)(1); and

22 (C) all instances in which officials of the
23 United States Government hosted officials from,
24 or significantly tied to, an entity described in
25 subparagraph (A) or (B) of subsection (a)(1).

1 (3) *DEADLINE AND REPORT.*—Not later than 1
2 year after the date on which the Secretary and the
3 National Academy enter into an agreement described
4 in paragraph (1), the National Academy shall—

5 (A) complete the review and assessment de-
6 scribed in paragraph (2); and

7 (B) submit a report containing the results
8 of the review and assessment, which shall be un-
9 classified but, if necessary, may contain a classi-
10 fied annex, to—

11 (i) the Secretary; and

12 (ii) the appropriate congressional com-
13 mittees.

14 (4) *PUBLICATION.*—Not later than 60 days after
15 the date on which the National Academy submits the
16 report under paragraph (3), the Secretary shall make
17 the report publically available in an easily accessible
18 electronic format, with appropriate redactions for in-
19 formation that, in the determination of the Secretary,
20 would be damaging to the national security of the
21 United States if disclosed.

22 (c) *WAIVERS.*—

23 (1) *WAIVER FOR COUNTERTERRORISM; NON-*
24 *PROLIFERATION ACTIVITIES; AND THE NATIONAL IN-*

1 *TEREST.—The President may waive the limitation*
2 *under subsection (a)—*

3 *(A) to continue ongoing activities with the*
4 *People’s Republic of China relating to nuclear*
5 *and radiological counterterrorism, nuclear and*
6 *radiological counterproliferation, and nuclear*
7 *and radiological nonproliferation; or*

8 *(B) if the President determines that such*
9 *waiver is in the national interests of the United*
10 *States, provided the Federal Bureau of Investiga-*
11 *tion certifies prior to such waiver that the per-*
12 *sons covered under such waiver—*

13 *(i) are not subject to undue influence*
14 *by the Government of the People’s Republic*
15 *of China or the Chinese Communist Party,*
16 *or by officials of the People’s Republic of*
17 *China or the Chinese Communist Party;*
18 *and*

19 *(ii) are not engaged in human rights*
20 *abuses.*

21 *(2) WAIVER TO ADDRESS EMERGENCIES.—Sub-*
22 *ject to receiving appropriate licenses and other au-*
23 *thorizations, the President may waive the limitation*
24 *under subsection (a) to allow transfers of technology*

1 *and equipment to address a nuclear or radiological*
2 *emergency.*

3 (3) *NOTIFICATION REQUIREMENT.—The Presi-*
4 *dent shall notify Congress of any waiver issued under*
5 *paragraph (1) or (2).*

6 (d) *DEFINITIONS.—In this section:*

7 (1) *NUCLEAR COOPERATION.—The term “nuclear*
8 *cooperation” means cooperation with respect to nu-*
9 *clear activities, including the development, use, or*
10 *control of atomic energy, including any activities in-*
11 *volving the processing or utilization of source mate-*
12 *rial, byproduct material, or special nuclear material*
13 *(as those terms are defined in section 11 of the Atomic*
14 *Energy Act of 1954 (42 U.S.C. 2014)).*

15 (2) *NUCLEAR COOPERATION ACTIVITIES.—The*
16 *term “nuclear cooperation activities” means activities*
17 *relating to nuclear cooperation.*

18 (e) *RULE OF CONSTRUCTION.— Nothing in this divi-*
19 *sion shall be construed to prohibit—*

20 (1) *United States commercial activities, provided*
21 *such activities are consistent with the laws and regu-*
22 *lations of the United States; and*

23 (2) *limited diplomatic engagement or dialogue—*

1 (A) including regarding protection of the
2 intellectual property and trade secrets of Amer-
3 ican persons; and

4 (B) except for any diplomatic engagement
5 or dialogue relating to or aimed at facilitating
6 the transfer of nuclear technology.

7 **SEC. 2516. CERTIFICATION.**

8 Section 1260I(a) of the National Defense Authoriza-
9 tion Act for Fiscal Year 2020 (Public Law 116–92; 113
10 Stat. 1687) is amended—

11 (1) by inserting “and” at the end of paragraph
12 (2); and

13 (2) by striking paragraphs (3) and (4) and in-
14 serting the following:

15 “(3) Huawei does not pose an ongoing threat to
16 the critical infrastructure of the United States or its
17 allies.”.

18 **SEC. 2517. FAIRNESS AND DUE PROCESS IN STANDARDS-**
19 **SETTING BODIES.**

20 (a) **DEFINITIONS.**—In this section:

21 (1) **APPROPRIATE COMMITTEES OF CONGRESS.**—
22 The term “appropriate committees of Congress”
23 means—

24 (A) the Committee on Commerce, Science,
25 and Transportation of the Senate;

1 (B) *the Committee on Armed Services of the*
2 *Senate;*

3 (C) *the Select Committee on Intelligence of*
4 *the Senate;*

5 (D) *the Committee on Foreign Relations of*
6 *the Senate;*

7 (E) *the Committee on Science, Space, and*
8 *Technology of the House of Representatives;*

9 (F) *the Committee on Armed Services of the*
10 *House of Representatives;*

11 (G) *the Permanent Select Committee on In-*
12 *telligence of the House of Representatives; and*

13 (H) *the Committee on Foreign Affairs of the*
14 *House of Representatives.*

15 (2) *ASSISTANT SECRETARY.—The term “Assist-*
16 *ant Secretary” means the Assistant Secretary of Com-*
17 *merce for Communications and Information.*

18 (b) *STUDY.—*

19 (1) *IN GENERAL.—Not later than 270 days after*
20 *the date of enactment of this division, the Secretary*
21 *of Commerce, acting through the Assistant Secretary,*
22 *shall submit to the appropriate committees of Con-*
23 *gress the results of a study identifying opportunities*
24 *for improved participation by United States Govern-*
25 *ment experts in the standardization activities of the*

1 *Telecommunication Standardization Sector of the*
2 *International Telecommunication Union.*

3 (2) *CONSULTATIONS REQUIRED.*—*In conducting*
4 *the study required under paragraph (1), the Assistant*
5 *Secretary shall—*

6 (A) *consult with—*

7 (i) *the Under Secretary of State for*
8 *Economic Growth, Energy, and the Envi-*
9 *ronment; and*

10 (ii) *the Chairman of the Federal Com-*
11 *munications Commission;*

12 (B) *engage with the International Digital*
13 *Economy and Telecommunication Advisory*
14 *Committee; and*

15 (C) *provide opportunities for all relevant*
16 *stakeholders in the United States to provide*
17 *meaningful input with respect to the conduct of*
18 *the study.*

19 (3) *CONTENTS.*—*The study required under para-*
20 *graph (1) shall include—*

21 (A) *the identification and assessment of fac-*
22 *tors that serve as a barrier to the participation*
23 *of United States Government experts in the*
24 *standards development activities of the Tele-*
25 *communication Standardization Sector of the*

1 *International Telecommunication Union, includ-*
2 *ing—*

3 *(i) budgetary constraints;*

4 *(ii) lack of awareness regarding the*
5 *strategic importance of, and support for,*
6 *participation in those activities;*

7 *(iii) limited knowledge about opportu-*
8 *nities for, and means of, participation with*
9 *respect to those activities;*

10 *(iv) the extent to which there are op-*
11 *portunities for cooperation with government*
12 *experts from like-minded foreign allies with*
13 *respect to those activities; and*

14 *(v) any other barriers to effective par-*
15 *ticipation in, and representation with re-*
16 *spect to, those activities; and*

17 *(B) recommendations regarding how the*
18 *barriers to increased and effective participation,*
19 *as identified under subparagraph (A), could be*
20 *addressed, which may include—*

21 *(i) strategies and tactics to ensure*
22 *long-term participation;*

23 *(ii) means for improved information*
24 *sharing and coordination—*

1 (I) among Federal Government
2 participants;

3 (II) between the public and pri-
4 vate sectors; and

5 (III) between the Federal Govern-
6 ment and like-minded foreign allies;

7 (iii) identification of suitable leader-
8 ship opportunities for Federal Government
9 participants; and

10 (iv) any other recommendation that
11 the Assistant Secretary determines to be ap-
12 propriate.

13 **SEC. 2518. SHARK FIN SALES ELIMINATION.**

14 (a) *SHORT TITLE.*—This section may be cited as the
15 “Shark Fin Sales Elimination Act of 2021”.

16 (b) *PROHIBITION ON SALE OF SHARK FINS.*—

17 (1) *PROHIBITION.*—Except as provided in sub-
18 section (c), no person shall possess, transport, offer for
19 sale, sell, or purchase shark fins or products con-
20 taining shark fins.

21 (2) *PENALTY.*—A violation of paragraph (1)
22 shall be treated as an act prohibited by section 307
23 of the Magnuson-Stevens Fishery Conservation and
24 Management Act (16 U.S.C. 1857) and shall be pe-
25 nalized pursuant to section 308(a) of that Act (16

1 *U.S.C. 1858(a)), except that the maximum civil pen-*
2 *alty for each violation shall be \$100,000, or the fair*
3 *market value of the shark fins involved, whichever is*
4 *greater.*

5 *(c) EXCEPTIONS.—A person may possess a shark fin*
6 *that was taken lawfully under a State, territorial, or Fed-*
7 *eral license or permit to take or land sharks, if the shark*
8 *fin is separated from the shark in a manner consistent with*
9 *the license or permit and is—*

10 *(1) destroyed or discarded upon separation;*

11 *(2) used for noncommercial subsistence purposes*
12 *in accordance with State or territorial law;*

13 *(3) used solely for display or research purposes*
14 *by a museum, college, or university, or other person*
15 *under a State or Federal permit to conduct non-*
16 *commercial scientific research; or*

17 *(4) retained by the license or permit holder for*
18 *a noncommercial purpose.*

19 *(d) DOGFISH.—*

20 *(1) IN GENERAL.—It shall not be a violation of*
21 *subsection (b) for any person to possess, transport,*
22 *offer for sale, sell, or purchase any fresh or frozen raw*
23 *fin or tail from any stock of the species *Mustelus**
24 **canis* (smooth dogfish) or *Squalus acanthias* (spiny*
25 *dogfish).*

1 (2) *REPORT.*—By not later than January 1,
2 2027, the Secretary of Commerce shall review the ex-
3 emption contained in paragraph (1) and shall pre-
4 pare and submit to Congress a report that includes a
5 recommendation on whether the exemption contained
6 in paragraph (1) should continue or be terminated.
7 In preparing such report and making such rec-
8 ommendation, the Secretary shall analyze factors in-
9 cluding—

10 (A) *the economic viability of dogfish fish-*
11 eries with and without the continuation of the
12 exemption;

13 (B) *the impact to ocean ecosystems of con-*
14 tinuing or terminating the exemption;

15 (C) *the impact on enforcement of the ban*
16 *contained in subsection (b) caused by the exemp-*
17 tion; and

18 (D) *the impact of the exemption on shark*
19 conservation.

20 (e) *DEFINITION OF SHARK FIN.*—In this section, the
21 term “shark fin” means—

22 (1) *the raw or dried or otherwise processed de-*
23 tached fin of a shark; or

24 (2) *the raw or dried or otherwise processed de-*
25 tached tail of a shark.

1 (f) *STATE AUTHORITY.*—*Nothing in this section may*
2 *be construed to preclude, deny, or limit any right of a State*
3 *or territory to adopt or enforce any regulation or standard*
4 *that is more stringent than a regulation or standard in ef-*
5 *fect under this section.*

6 (g) *SEVERABILITY.*—*If any provision of this section or*
7 *its application to any person or circumstance is held in-*
8 *valid, the invalidity does not affect other provisions or ap-*
9 *plications of this section which can be given effect without*
10 *the invalid provision or application, and to this end the*
11 *provisions of this section are severable.*

12 **SEC. 2519. SENSE OF CONGRESS ON FORCED LABOR.**

13 *It is the sense of Congress that the Federal Government*
14 *shall not engage in research, partnerships, contracts, or*
15 *other agreements with any entity (including any country*
16 *or institution of higher education) that has any affiliation*
17 *with a country that engages in forced labor.*

18 **SEC. 2520. OPEN NETWORK ARCHITECTURE.**

19 (a) *OPEN NETWORK ARCHITECTURE TESTBED.*—

20 (1) *DEFINITIONS.*—*In this subsection—*

21 (A) *the term “Applied Research Open-RAN*
22 *testbed” means the testbed established under*
23 *paragraph (2);*

1 (B) the term “Assistant Secretary” means
2 the Assistant Secretary of Commerce for Commu-
3 nications and Information; and

4 (C) the term “NTIA” means the National
5 Telecommunications and Information Adminis-
6 tration.

7 (2) *ESTABLISHMENT.*—The Assistant Secretary
8 shall establish an applied research open network ar-
9 chitecture testbed at the Institute for Telecommuni-
10 cation Sciences of the NTIA to develop and dem-
11 onstrate network architectures and applications,
12 equipment integration and interoperability at scale,
13 including—

14 (A) Open Radio Access Network (commonly
15 known as “Open-RAN”) technology;

16 (B) Virtualized Radio Access Network (com-
17 monly known as “vRAN”) technology; and

18 (C) cloud native technologies that replicate
19 telecommunications hardware as software-based
20 virtual network elements and functions.

21 (3) *FOCUS; CONSIDERATIONS.*—In establishing
22 the Applied Research Open-RAN testbed pursuant to
23 this section, the Assistant Secretary shall ensure that
24 such testbed evaluates issues related to deployment

1 *and operation of open network architectures in rural*
2 *areas.*

3 (4) *COOPERATIVE RESEARCH AND DEVELOPMENT*
4 *AGREEMENTS.—The Assistant Secretary shall enter*
5 *into cooperative research and development agreements*
6 *as appropriate to obtain equipment, devices, and ex-*
7 *pertise for the Applied Research Open-RAN testbed,*
8 *in accordance with section 12 of the Stevenson-Wydler*
9 *Technology Innovation Act of 1980 (15 U.S.C.*
10 *3710a).*

11 (5) *PRIVATE SECTOR CONTRIBUTIONS.—The As-*
12 *stant Secretary may accept private contributions to*
13 *the Applied Research Open-RAN testbed in the form*
14 *of network equipment or devices for testing purposes.*

15 (6) *PARTNERSHIP WITH GOVERNMENT ENTI-*
16 *TIES.—*

17 (A) *ESTABLISHMENT.—In establishing the*
18 *Applied Research Open-RAN testbed, the Assist-*
19 *ant Secretary shall—*

20 (i) *consult with the Federal Commu-*
21 *nications Commission, including with re-*
22 *spect to ongoing work by the Commission to*
23 *develop other testbeds, including private sec-*
24 *tor testbeds, related to Open-RAN tech-*
25 *nologies; and*

1 (ii) ensure that the work on the testbed
2 is coordinated with the responsibilities of
3 the Assistant Secretary under any relevant
4 memorandum of understanding with the
5 Federal Communications Commission and
6 the National Science Foundation related to
7 spectrum.

8 (B) OPERATIONS.—In operating the Ap-
9 plied Research Open-RAN testbed, the Assistant
10 Secretary shall, in consultation with the Federal
11 Communications Commission, partner with—

12 (i) the First Responder Network Au-
13 thority of the NTIA (also known as
14 “FirstNet”) and the Public Safety Commu-
15 nications Research Division of the National
16 Institute of Standards and Technology to
17 examine use cases and applications for
18 Open-RAN technologies in a public safety
19 network;

20 (ii) other Federal agencies, as appro-
21 priate to examine use cases and applica-
22 tions for Open-RAN technologies in other
23 areas of interest to such agencies; and

24 (iii) international partners, as appro-
25 priate.

1 (7) *STAKEHOLDER INPUT.*—*The Assistant Sec-*
2 *retary shall seek input from stakeholders regarding*
3 *the establishment and operation of the Applied Re-*
4 *search Open-RAN testbed.*

5 (8) *IMPLEMENTATION DEADLINE.*—*Not later*
6 *than 180 days after the date of enactment of this divi-*
7 *sion, the Assistant Secretary shall—*

8 (A) *define metrics and parameters for the*
9 *Applied Research Open-RAN testbed, including*
10 *functionality, project configuration and capac-*
11 *ity, performance, security requirements, and*
12 *quality assurance;*

13 (B) *adopt any rules as necessary, in con-*
14 *sultation with the Federal Communications*
15 *Commission; and*

16 (C) *begin the development of the Applied*
17 *Research Open-RAN testbed, including seeking*
18 *stakeholder input as required by paragraph (7).*

19 (9) *REPORT.*—*Not later than 1 year after the*
20 *date of enactment of this division, the Assistant Sec-*
21 *retary shall submit to the Committee on Commerce,*
22 *Science and Transportation of the Senate and the*
23 *Committee on Energy and Commerce of the House of*
24 *Representatives a report on the findings of the testbed*
25 *and any recommendations for additional legislative*

1 *or regulatory actions relating to the work of the*
2 *testbed.*

3 (10) *AUTHORIZATION OF APPROPRIATIONS.—*

4 (A) *IN GENERAL.—There are authorized to*
5 *be appropriated for the administration of the*
6 *Applied Research Open-RAN testbed \$20,000,000*
7 *for fiscal year 2022, to remain available until*
8 *expended.*

9 (B) *RULE OF CONSTRUCTION.—Nothing in*
10 *paragraph (6) shall be construed to obligate*
11 *FirstNet or any other Federal entity to pay for*
12 *the cost of the Applied Research Open-RAN*
13 *testbed created under this section in the absence*
14 *of the appropriation of amounts under this*
15 *paragraph.*

16 (C) *AUTHORIZATION FOR VOLUNTARY SUP-*
17 *PORT.—A Federal entity, including FirstNet,*
18 *may voluntarily enter into an agreement with*
19 *NTIA to provide monetary or nonmonetary sup-*
20 *port for the Applied Research Open-RAN testbed.*

21 (b) *PARTICIPATION IN STANDARDS-SETTING BOD-*
22 *IES.—*

23 (1) *DEFINITIONS.—In this section—*

1 (A) the term “Assistant Secretary” means
2 the Assistant Secretary of Commerce for Commu-
3 nications and Information;

4 (B) the term “eligible standards-setting
5 body”—

6 (i) means a standards-setting body,
7 participation in which may be funded by a
8 grant awarded under paragraph (2), as de-
9 termined by the Assistant Secretary; and

10 (ii) includes—

11 (I) the 3rd Generation Partner-
12 ship Project (commonly known as
13 “3GPP”);

14 (II) the Alliance for Tele-
15 communications Industry Solutions
16 (commonly known as “ATIS”);

17 (III) the International Tele-
18 communications Union (commonly
19 known as “ITU”);

20 (IV) the Institute for Electrical
21 and Electronics Engineers (commonly
22 known as “IEEE”);

23 (V) the World
24 Radiocommunications Conferences

1 (*commonly known as the “WRC”*) of
2 *the ITU;*

3 (VI) *the Internet Engineering*
4 *Task Force (commonly known as the*
5 *“IETF”*);

6 (VII) *the International Organiza-*
7 *tion for Standardization (commonly*
8 *known as the “ISO”*) and *the Inter-*
9 *national Electrotechnical Commission*
10 *(commonly known as the “IEC”*);

11 (VIII) *the O-RAN Alliance;*

12 (IX) *the Telecommunications In-*
13 *dustry Association (commonly known*
14 *as “TIA”*); and

15 (X) *any other standards-setting*
16 *body identified under paragraph (4);*

17 (C) *the term “Secretary” means the Sec-*
18 *retary of Commerce; and*

19 (D) *the term “standards-setting body”*
20 *means an international body that develops the*
21 *standards for open network architecture tech-*
22 *nologies.*

23 (2) *GRANT PROGRAM.—*

24 (A) *IN GENERAL.—The Secretary, in col-*
25 *laboration with the Assistant Secretary, shall*

1 *award grants to private sector entities based in*
2 *the United States to participate in eligible*
3 *standards-setting bodies.*

4 *(B) PRIORITIZATION.—The Secretary shall*
5 *prioritize grants awarded under this section to*
6 *private sector entities that would not otherwise*
7 *be able to participate in eligible standards-set-*
8 *ting bodies without the grant.*

9 *(3) GRANT CRITERIA.—Not later than 180 days*
10 *after the date on which amounts are appropriated*
11 *under paragraph (5), the Secretary, in collaboration*
12 *with the Assistant Secretary, shall establish criteria*
13 *for the grants awarded under paragraph (2).*

14 *(4) CONSULTATION WITH FEDERAL COMMUNICA-*
15 *TIONS COMMISSION.—The Secretary shall consult with*
16 *the Federal Communications Commission in—*

17 *(A) determining criteria for the grants*
18 *awarded under paragraph (2); and*

19 *(B) determining which standards-setting*
20 *bodies, if any, in addition to the standards-set-*
21 *ting bodies listed in paragraph (1)(B)(ii) are eli-*
22 *gible standards-setting bodies.*

23 *(5) AUTHORIZATION OF APPROPRIATIONS.—*

24 *(A) IN GENERAL.—There are authorized to*
25 *be appropriated for grants under paragraph (2)*

1 \$30,000,000 in total for fiscal years 2022
2 through 2025, to remain available until ex-
3 pended.

4 (B) *ADMINISTRATIVE COSTS.*—The Sec-
5 retary may use not more than 2 percent of any
6 funds appropriated under this paragraph for the
7 administration of the grant program established
8 under this subsection.

9 **SEC. 2521. COMBATTING SEXUAL HARASSMENT IN SCIENCE.**

10 (a) *DEFINITIONS.*—This section may be cited as the
11 “Combating Sexual Harassment in Science Act of 2021”.

12 (b) *DEFINITIONS.*—In this section:

13 (1) *DIRECTOR.*—The term “Director” means the
14 Director of the National Science Foundation.

15 (2) *FEDERAL SCIENCE AGENCY.*—The term “Fed-
16 eral science agency” means any Federal agency with
17 an annual extramural research expenditure of over
18 \$100,000,000.

19 (3) *GRANT PERSONNEL.*—The term “grant per-
20 sonnel” means principal investigators and co-prin-
21 cipal investigators supported by a grant award under
22 Federal law and their trainees.

23 (4) *INSTITUTION OF HIGHER EDUCATION.*—The
24 term “institution of higher education” has the mean-

1 *ing given such term in section 101 of the Higher Edu-*
2 *cation Act of 1965 (20 U.S.C. 1001).*

3 (5) *NATIONAL ACADEMIES.*—*The term “National*
4 *Academies” means the National Academies of*
5 *Sciences, Engineering, and Medicine.*

6 (6) *RECIPIENT.*—*The term “recipient” means an*
7 *entity, usually a non-Federal entity, that receives a*
8 *Federal award directly from a Federal awarding*
9 *agency. The term “recipient” does not include entities*
10 *that receive subgrants or individuals that are the*
11 *beneficiaries of the award.*

12 (7) *SEXUAL HARASSMENT.*—*The term “sexual*
13 *harassment” has the meaning given such term in sec-*
14 *tion 1604.11 of title 29, Code of Federal Regulations*
15 *(or any successor regulations).*

16 (c) *RESEARCH GRANTS.*—

17 (1) *IN GENERAL.*—*The Director shall award*
18 *grants, on a competitive basis, to institutions of high-*
19 *er education or nonprofit organizations (or consortia*
20 *of such institutions or organizations)—*

21 (A) *to expand research efforts to better un-*
22 *derstand the factors contributing to, and con-*
23 *sequences of, sexual harassment affecting individ-*
24 *uals in the scientific, technical, engineering, and*

1 *mathematics workforce, including students and*
2 *trainees; and*

3 *(B) to examine best practices to reduce the*
4 *incidence and negative consequences of such har-*
5 *assment.*

6 (2) *USE OF FUNDS.—Activities funded by a*
7 *grant under this subsection may include—*

8 *(A) research on the sexual harassment expe-*
9 *riences of individuals in underrepresented or*
10 *vulnerable groups, including communities of*
11 *color, disabled individuals, foreign nationals,*
12 *sexual- and gender-minority individuals, and*
13 *others;*

14 *(B) development and assessment of policies,*
15 *procedures, trainings, and interventions, with re-*
16 *spect to sexual harassment, conflict management,*
17 *and ways to foster respectful and inclusive cli-*
18 *mates;*

19 *(C) research on approaches for remediating*
20 *the negative impacts and outcomes of such har-*
21 *assment on individuals experiencing such har-*
22 *assment;*

23 *(D) support for institutions of higher edu-*
24 *cation or nonprofit organizations to develop,*
25 *adapt, implement, and assess the impact of inno-*

1 *vative, evidence-based strategies, policies, and*
2 *approaches to policy implementation to prevent*
3 *and address sexual harassment;*

4 *(E) research on alternatives to the power*
5 *dynamics and hierarchical and dependent rela-*
6 *tionships in academia that have been shown to*
7 *create higher levels of risk for and lower levels of*
8 *reporting of sexual harassment; and*

9 *(F) research related to the ongoing compila-*
10 *tion, management, and analysis of organiza-*
11 *tional climate survey data.*

12 *(d) DATA COLLECTION.—Not later than 180 days after*
13 *the date of enactment of this division, the Director, through*
14 *the National Center for Science and Engineering Statistics*
15 *and with guidance from the Office of Management and*
16 *Budget given their oversight of the Federal statistical agen-*
17 *cies, shall convene a working group composed of representa-*
18 *tives of Federal statistical agencies—*

19 *(1) to develop questions on sexual harassment in*
20 *science, technology, engineering, and mathematics de-*
21 *partments to gather national data on the prevalence,*
22 *nature, and implications of sexual harassment in in-*
23 *stitutions of higher education that builds on the work*
24 *conducted by the National Center for Science and En-*
25 *gineering Statistics in response to recommendations*

1 *from the National Academies to develop questions on*
2 *harassment; and*

3 *(2) to include such questions as appropriate,*
4 *with sufficient protections of the privacy of respond-*
5 *ents, in relevant surveys conducted by the National*
6 *Center for Science and Engineering Statistics and*
7 *other relevant entities.*

8 *(e) RESPONSIBLE CONDUCT GUIDE.—*

9 *(1) IN GENERAL.—Not later than 180 days after*
10 *the date of enactment of this division, the Director*
11 *shall enter into an agreement with the National Acad-*
12 *emies to update the report entitled “On Being a Sci-*
13 *entist: A Guide to Responsible Conduct in Research”*
14 *issued by the National Academies. The report, as so*
15 *updated, shall include—*

16 *(A) updated professional standards of con-*
17 *duct in research;*

18 *(B) standards of treatment individuals can*
19 *expect to receive under such updated standards*
20 *of conduct;*

21 *(C) evidence-based practices for fostering a*
22 *climate intolerant of sexual harassment;*

23 *(D) methods, including bystander interven-*
24 *tion, for identifying and addressing incidents of*
25 *sexual harassment;*

1 (E) professional standards for mentorship
2 and teaching with an emphasis on power diffu-
3 sion mechanisms and preventing sexual harass-
4 ment;

5 (F) recommended vetting and hiring prac-
6 tices scientific research entities are urged to im-
7 plement to eliminate serial harassers; and

8 (G) other topics as the National Academies
9 determines appropriate.

10 (2) *RECOMMENDATIONS*.—In updating the report
11 under paragraph (1), the National Academies shall
12 take into account recommendations made in the re-
13 port issued by the National Academies in 2018 enti-
14 tled “Sexual Harassment of Women: Climate, Cul-
15 ture, and Consequences in Academic Sciences, Engi-
16 neering, and Medicine” and other relevant studies
17 and evidence.

18 (3) *REPORT*.—Not later than 18 months after the
19 effective date of the agreement under paragraph (1),
20 the National Academies, as part of such agreement,
21 shall submit to the Director and the Committee on
22 Science, Space, and Technology of the House of Rep-
23 resentatives and the Committee on Commerce,
24 Science, and Transportation of the Senate the report

1 referred to in such subsection, as updated pursuant to
2 such subsection.

3 (f) *POLICY GUIDELINES.*—

4 (1) *RESPONSIBILITIES OF OSTP.*—*The Director*
5 *of the Office of Science and Technology Policy, in co-*
6 *ordination with the working group on inclusion in*
7 *STEM fields established under section 308 of the*
8 *American Innovation and Competitiveness Act (42*
9 *U.S.C. 6626) and the Safe Inclusive Research Envi-*
10 *ronments Subcommittee of the National Science and*
11 *Technology Council, and in consultation with rep-*
12 *resentatives from each Federal science agency, the De-*
13 *partment of Education, and the Equal Employment*
14 *Opportunity Commission, shall—*

15 (A) *not later than 90 days after the date of*
16 *the enactment of this division, submit to the*
17 *Committee on Science, Space, and Technology of*
18 *the House of Representatives and the Committee*
19 *on Commerce, Science, and Transportation of*
20 *the Senate an inventory of Federal science agen-*
21 *cy policies, procedures, and resources dedicated*
22 *to preventing and responding to reports of sexual*
23 *harassment;*

1 (B) not later than 6 months after the date
2 on which the inventory is submitted under sub-
3 paragraph (A)—

4 (i) in consultation with outside stake-
5 holders, develop a set of policy guidelines for
6 Federal science agencies; and

7 (ii) submit a report to the committees
8 referred to in subparagraph (A) containing
9 such guidelines;

10 (C) encourage Federal science agencies to
11 develop or maintain and implement policies
12 based on the guidelines developed under subpara-
13 graph (B);

14 (D) not later than 1 year after the date on
15 which the inventory under subparagraph (A) is
16 submitted, and every 5 years thereafter, the Di-
17 rector of the Office of Science and Technology
18 Policy shall report to Congress on the implemen-
19 tation by Federal science agencies of the policy
20 guidelines developed under subparagraph (B);
21 and

22 (E) update such policy guidelines as needed.

23 (2) REQUIREMENTS.—

24 (A) IN GENERAL.—In developing policy
25 guidelines under paragraph (1)(B), the Director

1 *of the Office of Science and Technology Policy*
2 *shall consider guidelines that require, to the ex-*
3 *tent practicable—*

4 *(i) recipients to submit to the Federal*
5 *science agency or agencies from which the*
6 *recipients receive funding reports relating*
7 *to—*

8 *(I) any decision made to launch a*
9 *formal investigation of sexual harass-*
10 *ment by, or of, grant personnel; and*

11 *(II) findings or determinations of*
12 *sexual harassment by, or of, grant per-*
13 *sonnel, including the final disposition*
14 *of a matter involving a violation of or-*
15 *ganizational policies and processes, to*
16 *include the exhaustion of permissible*
17 *appeals, or a conviction of a sexual of-*
18 *fense in a criminal court of law;*

19 *(ii) the updating and sharing of re-*
20 *ports of sexual harassment submitted under*
21 *clause (i) with relevant Federal science*
22 *agencies by agency request; and*

23 *(iii) consistency among relevant Fed-*
24 *eral agencies with regards to the policies*

1 *and procedures for receiving reports sub-*
2 *mitted pursuant to clause (i).*

3 *(B) FERPA.—The Director of the Office of*
4 *Science and Technology Policy shall ensure that*
5 *such guidelines and requirements are consistent*
6 *with the requirements of section 444 of the Gen-*
7 *eral Education Provisions Act (20 U.S.C. 1232g)*
8 *(commonly referred to as the “Family Edu-*
9 *cational Rights and Privacy Act of 1974”).*

10 *(C) PRIVACY PROTECTIONS.—The Director*
11 *of the Office of Science and Technology Policy*
12 *shall ensure that such guidelines and require-*
13 *ments—*

14 *(i) do not infringe upon the privacy*
15 *rights of individuals associated with reports*
16 *submitted to Federal science agencies; and*

17 *(ii) do not require recipients to provide*
18 *interim reports to Federal science agencies.*

19 *(3) CONSIDERATIONS.—In developing policy*
20 *guidelines under paragraph (1)(B), the Director of*
21 *the Office of Science and Technology Policy shall con-*
22 *sider protocols that require or incent—*

23 *(A) recipients that receive funds from Fed-*
24 *eral science agencies to periodically assess their*
25 *organizational climate, which may include the*

1 *use of climate surveys, focus groups, or exit*
2 *interviews;*

3 *(B) recipients that receive funds from Fed-*
4 *eral science agencies to publish on a publicly*
5 *available internet website the results of assess-*
6 *ments conducted pursuant to paragraph (1),*
7 *disaggregated by gender and, if possible, race,*
8 *ethnicity, disability status, and sexual orienta-*
9 *tion, and in a manner that does not include per-*
10 *sonally identifiable information;*

11 *(C) recipients that receive funds from Fed-*
12 *eral science agencies to make public on an an-*
13 *ual basis the number of determinations of sex-*
14 *ual harassment at that institution or organiza-*
15 *tion;*

16 *(D) recipients that receive funds from Fed-*
17 *eral science agencies to regularly assess and im-*
18 *prove policies, procedures, and interventions to*
19 *reduce the prevalence of and improve the report-*
20 *ing of sexual harassment;*

21 *(E) each entity applying for Federal assist-*
22 *ance awards from a Federal science agency to*
23 *have a code of conduct for maintaining a healthy*
24 *and welcoming workplace for grant personnel*
25 *posted on their public website;*

1 (F) each recipient that receives funds from
2 Federal science agencies to have in place mecha-
3 nisms for the re-integration of individuals who
4 have experienced sexual harassment; and

5 (G) recipients that receive funds from Fed-
6 eral science agencies to work to create a climate
7 intolerant of sexual harassment and that values
8 and promotes diversity and inclusion.

9 (4) *FEDERAL SCIENCE AGENCY IMPLEMENTA-*
10 *TION.—Each Federal science agency shall—*

11 (A) develop or maintain and implement
12 policies with respect to sexual harassment that
13 are consistent with policy guidelines under para-
14 graph (1)(B) and that protect the privacy of all
15 parties involved in any report and investigation
16 of sexual harassment; and

17 (B) broadly disseminate such policies to
18 current and potential recipients of research
19 grants awarded by such agency.

20 (g) *NATIONAL ACADEMIES ASSESSMENT.—Not later*
21 *than 3 years after the date of enactment of this division,*
22 *the Director shall enter into an agreement with the National*
23 *Academies to undertake a study and issue a report on the*
24 *influence of sexual harassment in institutions of higher edu-*
25 *cation on the career advancement of individuals in the sci-*

1 *entific, engineering, technical, and mathematics workforce.*

2 *The study shall assess—*

3 *(1) the state of research on sexual harassment in*
4 *such workforce;*

5 *(2) whether research demonstrates a decrease in*
6 *the prevalence of sexual harassment in such workforce;*

7 *(3) the progress made with respect to imple-*
8 *menting recommendations promulgated in the Na-*
9 *tional Academies consensus study report entitled*
10 *“Sexual Harassment of Women: Climate, Culture,*
11 *and Consequences in Academic Sciences, Engineering,*
12 *and Medicine”;*

13 *(4) where to focus future efforts with respect to*
14 *decreasing sexual harassment in such institutions, in-*
15 *cluding specific recommendations; and*

16 *(5) other recommendations and issues, as the Na-*
17 *tional Academies determines appropriate.*

18 *(h) GOVERNMENT ACCOUNTABILITY OFFICE STUDY.—*

19 *Not later than 3 years after the date of enactment of this*
20 *division, the Comptroller General of the United States*
21 *shall—*

22 *(1) complete a study that assesses the degree to*
23 *which Federal science agencies have implemented the*
24 *policy guidelines developed under subsection (f)(1)(B)*
25 *and the effectiveness of that implementation; and*

1 (2) *submit a report to the Committee on Science,*
2 *Space, and Technology of the House of Representa-*
3 *tives and the Committee on Commerce, Science, and*
4 *Transportation of the Senate on the results of such*
5 *study, including recommendations on potential*
6 *changes to practices and policies to improve those*
7 *guidelines and that implementation.*

8 (i) *HARASSMENT ON THE BASIS OF PREGNANCY STA-*
9 *TUS.—The Director of the Office of Science and Technology*
10 *Policy, in consultation with the Equal Employment Oppor-*
11 *tunity Commission, shall develop a definition of “harass-*
12 *ment on the basis of pregnancy status” for the purposes of*
13 *carrying out this section.*

14 **SEC. 2522. NATIONAL SCIENCE CORPS.**

15 (a) *PURPOSE.—It is the purpose of this section to ele-*
16 *vate the profession of STEM teaching by establishing a Na-*
17 *tional Science Corps that identifies outstanding STEM*
18 *teachers in our Nation’s classrooms, rewards them for their*
19 *accomplishments, elevates their public profile, and creates*
20 *rewarding career paths to which all STEM teachers can*
21 *aspire, both to prepare future STEM researchers and to cre-*
22 *ate a scientifically literate public.*

23 (b) *DEFINITIONS.—In this section:*

1 (1) *ADMINISTRATOR.*—The term “Adminis-
2 trator” means the Administrator of the National
3 Science Corps.

4 (2) *ELIGIBLE APPLICANT.*—The term “eligible
5 applicant” means a STEM teacher who has not less
6 than 2 years of STEM teaching experience and is em-
7 ployed as a public school classroom instructor on the
8 date of selection.

9 (3) *ELIGIBLE ENTITY.*—The term “eligible enti-
10 ty” means—

11 (A) an institution of higher education (as
12 defined in section 101(a) of the Higher Edu-
13 cation Act of 1965 (20 U.S.C. 1001(a));

14 (B) a State educational agency (as defined
15 in section 8101 of the Elementary and Sec-
16 ondary Education Act of 1965 (20 U.S.C.
17 7801));

18 (C) a local educational agency (as defined
19 in section 8101 of the Elementary and Sec-
20 ondary Education Act of 1965 (20 U.S.C.
21 7801)); and

22 (D) a consortium composed of 1 or more of
23 the entities described in subparagraph (A), (B),
24 or (C), or all 3, and 1 of the following entities:

25 (i) An education nonprofit association.

1 (ii) *A cross sector STEM organization.*

2 (iii) *A private entity, including a*
3 *STEM-related business.*

4 (4) *HIGH-NEED SCHOOL.—The term “high-need*
5 *school” has the meaning given the term in section*
6 *2211(b) of the Elementary and Secondary Education*
7 *Act of 1965 (20 U.S.C. 6631(b)).*

8 (5) *NATIONAL SCIENCE CORPS CENTRAL ENTI-*
9 *TY.—The term “National Science Corps central enti-*
10 *ty” means an office of the Foundation that—*

11 (A) *operates the National Science Corps in*
12 *accordance with the purposes of this section;*

13 (B) *serves as a national convener to im-*
14 *prove STEM instruction, including improving*
15 *the diversity of students participating in STEM*
16 *education and STEM teachers;*

17 (C) *serves as standard-bearer and evaluator*
18 *of regional centers; and*

19 (D) *is headed by the Administrator, who re-*
20 *ports to the Director.*

21 (6) *PROFESSIONAL DEVELOPMENT.—The term*
22 *“professional development” has the meaning given the*
23 *term in section 8101 of the Elementary and Sec-*
24 *ondary Education Act of 1965 (20 U.S.C. 7801).*

1 (7) *REGIONAL CENTER.*—*The term “regional*
2 *center” means a regional center of the National*
3 *Science Corps.*

4 (8) *STEM.*—*The term “STEM” means science,*
5 *technology, engineering, and mathematics, including*
6 *computer science.*

7 (9) *STEM EDUCATION ADVISORY BOARD.*—*The*
8 *term “STEM Education Advisory Board” means the*
9 *Advisory Board for the National Science Corps estab-*
10 *lished under subsection (e).*

11 (c) *ESTABLISHMENT OF NATIONAL SCIENCE CORPS.*—
12 *There is established a National Science Corps 5-year pilot*
13 *program to be administered by the Administrator, who shall*
14 *be appointed by the Director, and overseen by the STEM*
15 *Education Advisory Board.*

16 (d) *DUTIES OF THE ADMINISTRATOR.*—*The Adminis-*
17 *trator shall—*

18 (1) *create a process and standards for selection*
19 *of eligible applicants to become members of the Na-*
20 *tional Science Corps, including—*

21 (A) *uniform selection criteria that in-*
22 *cludes—*

23 (i) *deep knowledge of STEM content*
24 *and pedagogy;*

1 (ii) a passion for STEM subjects and
2 dedication to teaching, evidence of leader-
3 ship skills, and potential for continued ca-
4 reer growth as an educator; and

5 (iii) demonstrated experience increas-
6 ing STEM student achievement and STEM
7 participation rates for all students, particu-
8 larly those from rural and high-need
9 schools; and

10 (B) a uniform selection process, including a
11 comprehensive application that includes rec-
12 ommendations and other relevant professional
13 information;

14 (2) build an infrastructure to support the func-
15 tions and operations of the National Science Corps;

16 (3) promote the National Science Corps and ele-
17 vate best practices that emerge from the National
18 Science Corps to a national audience;

19 (4) evaluate the operation and effectiveness of the
20 regional centers; and

21 (5) evaluate the overall and long-term impact of
22 the National Science Corps by—

23 (A) documenting, monitoring, and assessing
24 the program outcomes or impact on the STEM
25 careers of participants; and

1 (B) documenting, monitoring, and assessing
2 the program outcomes for the STEM education
3 profession nationwide, particularly for rural and
4 high-need schools.

5 (e) *STEM EDUCATION ADVISORY BOARD.*—

6 (1) *ESTABLISHMENT.*—There is established a
7 STEM Education Advisory Board to oversee the oper-
8 ations of the National Science Corps for the length of
9 the pilot program.

10 (2) *COMPOSITION.*—

11 (A) *IN GENERAL.*—The members of the
12 STEM Education Advisory Board shall comply
13 with the following:

14 (i) Be appointed by the Director.

15 (ii) Include a representative from each
16 of the following:

17 (I) School leaders.

18 (II) STEM researchers.

19 (III) STEM education research-
20 ers.

21 (IV) Business leaders.

22 (V) Kindergarten through grade
23 12 STEM educators.

24 (VI) Students pursuing a postsec-
25 ondary STEM degree.

1 (B) *STEM EDUCATION ADVISORY COM-*
2 *MITTEE IN EXISTENCE.*—*The Director may as-*
3 *sign the duties of the STEM Education Advisory*
4 *Board, described in paragraph (3), to an advi-*
5 *sory committee of the Foundation in existence on*
6 *the date of enactment of this division.*

7 (3) *DUTIES OF THE STEM EDUCATION ADVISORY*
8 *BOARD.*—*In overseeing the operations of the National*
9 *Science Corps, the STEM Education Advisory Board*
10 *shall—*

11 (A) *create a steering committee that is com-*
12 *prised of STEM educators and researchers rep-*
13 *resenting a variety of STEM fields and rep-*
14 *resenting geographic diversity, to help establish*
15 *the National Science Corps in its initial phases;*
16 *and*

17 (B) *provide a direct connection of the Na-*
18 *tional Science Corps to the existing research and*
19 *education communities, ensuring that the Na-*
20 *tional Science Corps program is consistent with*
21 *the aspirations of both.*

22 (f) *DUTIES OF THE REGIONAL CENTERS.*—*The Ad-*
23 *ministrator shall award not less than 10 and not more than*
24 *20 grants, on a competitive basis, to establish regional cen-*
25 *ters at eligible entities. Each regional center shall—*

1 (1) *engage local partners, which may include*
2 *local educational agencies, institutions of higher edu-*
3 *cation, STEM organizations, or education nonprofit*
4 *organizations, to—*

5 (A) *develop and serve the community of Na-*
6 *tional Science Corps members within the region,*
7 *in coordination local partners to carry out day-*
8 *to-day activities;*

9 (B) *coordinate professional development ac-*
10 *tivities, including activities led by National*
11 *Science Corps members;*

12 (C) *connect National Science Corps mem-*
13 *bers with existing educator professional develop-*
14 *ment programs and coordinate members' involve-*
15 *ment as cooperating teachers or mentors;*

16 (D) *seek opportunities to involve teachers*
17 *who are not members of the National Science*
18 *Corps to participate in National Science Corps*
19 *activities; and*

20 (E) *build partnerships with existing edu-*
21 *cation organizations and other efforts by State*
22 *educational agencies and local educational agen-*
23 *cies that operate programs relevant to the Na-*
24 *tional Science Corps and its activities;*

1 (2) *recruit eligible applicants, with a focus on*
2 *recruiting diverse STEM educators based on race, eth-*
3 *nicity, sex, socioeconomic status, age, disability sta-*
4 *tus, and language ability;*

5 (3) *screen, interview, and select members of the*
6 *National Science Corps using procedures and stand-*
7 *ards provided by the Administrator;*

8 (4) *coordinate the online network that supports*
9 *all National Science Corps members in the region;*

10 (5) *convene occasional meetings of National*
11 *Science Corps members in a region;*

12 (6) *create opportunities for the professional*
13 *growth of National Service Corps members, with a*
14 *focus on increasing STEM student achievement and*
15 *STEM participation rates for all students, particu-*
16 *larly those from rural and high-need schools; and*

17 (7) *support the retention and success of National*
18 *Science Corps members in the region.*

19 (g) *DUTIES OF MEMBERS OF THE NATIONAL SCIENCE*
20 *CORPS.—An eligible applicant that is selected by a regional*
21 *center to be a member of the National Science Corps shall—*

22 (1) *serve a 4-year term with a possibility of re-*
23 *appointment;*

24 (2) *receive an annual stipend in an amount of*
25 *up to \$15,000; and*

1 (3) *have substantial responsibilities, including—*

2 (A) *working with other members of the Na-*
3 *tional Science Corps to develop and improve in-*
4 *novative teaching practices, including practices*
5 *such as inquiry-based learning;*

6 (B) *participating in professional develop-*
7 *ment on innovative teaching methodology and*
8 *mentorship; and*

9 (C) *continuing to excel in teaching the*
10 *member’s own students, with a focus on advanc-*
11 *ing equity by spending additional time teaching*
12 *and coaching underserved students to increase*
13 *STEM student achievement and STEM partici-*
14 *pation rates for students from rural and high-*
15 *need schools.*

16 (h) *EVALUATIONS.—The Administrator shall evaluate*
17 *the activities of the regional centers every 2 years.*

18 (i) *AUTHORIZATION OF APPROPRIATIONS.—Out of*
19 *funds authorized under section 2106, there are authorized*
20 *to be appropriated \$100,000,000 in fiscal years 2022*
21 *through 2026 to carry out this section.*

22 **SEC. 2523. ANNUAL REPORT ON FOREIGN RESEARCH.**

23 (a) *IN GENERAL.—Not later than 180 days after the*
24 *date of enactment of this division, and not less frequently*
25 *than every 2 years thereafter, the Director shall prepare and*

1 *submit a report to the relevant congressional committees re-*
2 *garding the research funding from the National Science*
3 *Foundation provided to foreign entities.*

4 (b) *CONTENTS.*—*The report submitted under sub-*
5 *section (a) shall include the following:*

6 (1) *The total amount of National Science Foun-*
7 *dation funds provided to research institutions in for-*
8 *foreign countries.*

9 (2) *A complete list of projects funded by the Na-*
10 *tional Science Foundation provided to foreign enti-*
11 *ties, including for each project—*

12 (A) *a complete abstract;*

13 (B) *the previous fiscal year's funding*
14 *amount;*

15 (C) *whether they have a connection to a for-*
16 *foreign government and to what extent the connec-*
17 *tion exists;*

18 (D) *the names of principal investigators;*
19 *and*

20 (E) *a specific justification for funding the*
21 *research abroad instead of in the United States.*

22 **SEC. 2524. ACCELERATING UNMANNED MARITIME SYSTEMS**
23 **RESEARCH.**

24 (a) *IN GENERAL.*—*In order to support advances in*
25 *marine science and security at sea, the Director shall issue*

1 awards, on a competitive basis, to institutions of higher
2 education or nonprofit organizations (or consortia of such
3 institutions or organizations) to support basic and applied
4 research that will accelerate innovation to advance un-
5 manned maritime systems for the purpose of providing
6 greater maritime domain awareness to the Nation.

7 (b) *PARTNERSHIPS.*—In implementing this section, the
8 Director shall establish partnerships with other Federal
9 agencies, including those established under the Commercial
10 Engagement Through Ocean Technology Act of 2018 (Public
11 Law 115–394).

12 (c) *USE OF NSF OCEANOGRAPHIC RESEARCH VES-*
13 *SELS.*—The Director may leverage the resources and capa-
14 bilities of the consortium operating the Directorate’s re-
15 gional class research vessels to complement the research in
16 unmanned maritime systems.

17 **SEC. 2525. FOUNDATION FUNDING TO INSTITUTIONS**
18 **HOSTING OR SUPPORTING CONFUCIUS INSTI-**
19 **TUTES.**

20 (a) *DEFINITIONS.*—In this section—

21 (1) the term “Confucius Institute” means a cul-
22 tural institute established as a partnership between a
23 United States institution of higher education and a
24 Chinese institution of higher education to promote
25 and teach Chinese language and culture that is fund-

1 *ed, directly or indirectly, by the Government of the*
2 *People’s Republic of China; and*

3 *(2) the term “institution of higher education”*
4 *has the meaning given the term in section 102 of the*
5 *Higher Education Act of 1965 (20 U.S.C. 1002).*

6 *(b) RESTRICTIONS OF CONFUCIUS INSTITUTES.—Ex-*
7 *cept as provided in subsection (d), none of the funds made*
8 *available to the Foundation under this Act, or an amend-*
9 *ment made by this Act, may be obligated or expended to*
10 *an institution of higher education that maintains a con-*
11 *tract or agreement between the institution and a Confucius*
12 *Institute, unless the Director, after consultation with the*
13 *National Academies of Science, Engineering, and Medicine,*
14 *determines such a waiver is appropriate in accordance with*
15 *subsection (c).*

16 *(c) WAIVER.—The Director, after consultation with the*
17 *National Academies of Science, Engineering, and Medicine,*
18 *may issue a waiver for an institution of higher education*
19 *that maintains a contract or agreement between the institu-*
20 *tion and a Confucius Institute if such contract or agreement*
21 *includes clear provisions that—*

22 *(1) protect academic freedom at the institution;*

23 *(2) prohibit the application of any foreign law*
24 *on any campus of the institution;*

1 (3) *grant full managerial authority of the Confu-*
2 *cius Institute to the institution, including full control*
3 *over what is being taught, the activities carried out,*
4 *the research grants that are made, and who is em-*
5 *ployed at the Confucius Institute; and*

6 (4) *prohibit co-location with the institution's*
7 *Chinese language, history, and cultural programs and*
8 *require separate promotional materials.*

9 (d) *SPECIAL RULE.—*

10 (1) *IN GENERAL.—Notwithstanding any other*
11 *provision of this section, this section shall not apply*
12 *to an institution of higher education if that institu-*
13 *tion has fulfilled the requirements—*

14 (A) *for a waiver from the Department of*
15 *Defense as described under section 1062 of the*
16 *National Defense Authorization Act for Fiscal*
17 *Year 2021 (Public Law 116–283); or*

18 (B) *under section 6122 with respect to*
19 *funding the provided under the Higher Edu-*
20 *cation Act of 1965 (20 U.S.C. 1001 et seq.), ex-*
21 *cept funds provided under title IV of such Act.*

22 (2) *EXCEPTION.—Notwithstanding any other*
23 *provision of this section, the prohibition under sub-*
24 *section (b) shall not apply to amounts provided to*
25 *students as educational assistance.*

1 (e) *EFFECTIVE DATE.*—*The limitation under sub-*
2 *section (b) shall apply with respect to the first fiscal year*
3 *that begins after the date that is 2 years after the date of*
4 *enactment of this Act and to any subsequent fiscal year sub-*
5 *ject to subsection (f).*

6 (f) *SUNSET.*—*This section shall cease to be effective on*
7 *the date that is 5 years after the date of enactment of this*
8 *Act.*

9 **SEC. 2526. SUPPORTING DOCUMENTS.**

10 (a) *IN GENERAL.*—*To ensure the security of research*
11 *products developed under this division, the Director shall,*
12 *on an annual basis, request from an institution of higher*
13 *education receiving an award made available by the Na-*
14 *tional Science Foundation Technology and Innovation Di-*
15 *rectorate under this division—*

16 (1) *final copies of any contracts, agreements, or*
17 *documentation of financial transactions between the*
18 *institution, a foundation of the institution, or related*
19 *entities, and any educational, cultural, or language*
20 *entity that is directly or indirectly funded by the*
21 *Government of the People’s Republic of China; and*

22 (2) *a detailed description of any financial con-*
23 *tributions from the Government of the People’s Re-*
24 *public of China or its affiliates to the institution, a*
25 *foundation of the institution, or related entities.*

1 (b) *OFFICE OF THE INSPECTOR GENERAL.*—*The Di-*
2 *rector may request an investigation by the Office of the In-*
3 *spector General into the research security practices of an*
4 *institution of higher education and, as appropriate, rec-*
5 *ommend revocation of funding for relevant grants, in the*
6 *case that—*

7 (1) *an institution of higher education fails to*
8 *provide information requested under subsection (a);*
9 *or*

10 (2) *a review of the information under subsection*
11 *(a) by the Chief of Research Security indicates threats*
12 *to research security.*

13 **SEC. 2527. BASIC RESEARCH.**

14 (a) *NONDISCLOSURE OF MEMBERS OF GRANT REVIEW*
15 *PANEL.*—*Notwithstanding any other provision of law, each*
16 *agency that awards a Federal research grant shall not dis-*
17 *close, either publicly or privately, to an applicant for such*
18 *grant the identity of any member of the grant review panel*
19 *for such applicant.*

20 (b) *PUBLIC ACCESSIBILITY OF RESEARCH FUNDED BY*
21 *TAXPAYERS.*—

22 (1) *DEFINITION OF FEDERAL AGENCY.*—*In this*
23 *section, the term “Federal agency” means an Execu-*
24 *tive agency, as defined under section 105 of title 5,*
25 *United States Code.*

1 (2) *FEDERAL RESEARCH PUBLIC ACCESS POL-*
2 *ICY.*—

3 (A) *REQUIREMENT TO DEVELOP POLICY.*—

4 (i) *IN GENERAL.*—*Not later than 1*
5 *year after the date of enactment of this sec-*
6 *tion, each Federal agency with annual ex-*
7 *tramural research expenditures of over*
8 *\$100,000,000 shall develop an agency re-*
9 *search public access policy that is consistent*
10 *with and advances the purposes of the Fed-*
11 *eral agency.*

12 (ii) *COMMON PROCEDURES.*—*To the*
13 *extent practicable, Federal agencies required*
14 *to develop a policy under clause (i) shall*
15 *follow common procedures for the collection*
16 *and depositing of research papers.*

17 (B) *CONTENT.*—*Each Federal research pub-*
18 *lic access policy shall provide for—*

19 (i) *submission to a digital repository*
20 *designated or maintained by the Federal*
21 *agency of an electronic version of the au-*
22 *thor’s final manuscript of original research*
23 *papers that have been accepted for publica-*
24 *tion in peer-reviewed journals and that re-*
25 *sult from research supported, in whole or in*

1 *part, from funding by the Federal Govern-*
2 *ment;*

3 *(ii) the incorporation of any changes*
4 *resulting from the peer review publication*
5 *process in the manuscript described under*
6 *clause (i);*

7 *(iii) the replacement of the final*
8 *manuscript with the final published version*
9 *if—*

10 *(I) the publisher consents to the*
11 *replacement; and*

12 *(II) the goals of the Federal agen-*
13 *cy for functionality and interoper-*
14 *ability are retained;*

15 *(iv) free online public access to such*
16 *final peer-reviewed manuscripts or pub-*
17 *lished versions within a time period that is*
18 *appropriate for each type of research con-*
19 *ducted or sponsored by the Federal agency,*
20 *not later than 12 months after publication*
21 *in peer-reviewed journals, preferably sooner,*
22 *or as adjusted under established mecha-*
23 *nisms;*

24 *(v) providing research papers as de-*
25 *scribed in clause (iv) in formats and under*

1 *terms that enable productive reuse of the re-*
2 *search and computational analysis by state-*
3 *of-the-art technologies;*

4 *(vi) improving the ability of the public*
5 *to locate and access research papers made*
6 *accessible under the Federal research public*
7 *access policy; and*

8 *(vii) long-term preservation of, and*
9 *free public access to, published research*
10 *findings—*

11 *(I) in a stable digital repository*
12 *maintained by the Federal agency; or*

13 *(II) if consistent with the pur-*
14 *poses of the Federal agency, in any re-*
15 *pository meeting conditions determined*
16 *favorable by the Federal agency, in-*
17 *cluding free public access, interoper-*
18 *ability, and long-term preservation.*

19 *(C) APPLICATION OF POLICY.—Each Fed-*
20 *eral research public access policy shall—*

21 *(i) apply to—*

22 *(I) researchers employed by the*
23 *Federal agency whose works remain in*
24 *the public domain; and*

1 (ii) researchers funded by the
2 Federal agency;

3 (iii) provide that works described under
4 clause (i)(I) shall be—

5 (I) marked as being public do-
6 main material when published; and

7 (II) made available at the same
8 time such works are made available
9 under subparagraph (B)(iv); and

10 (iii) make effective use of any law or
11 guidance relating to the creation and res-
12 ervation of a Government license that pro-
13 vides for the reproduction, publication, re-
14 lease, or other uses of a final manuscript for
15 Federal purposes.

16 (D) EXCLUSIONS.—Each Federal research
17 public access policy shall not apply to—

18 (i) research progress reports presented
19 at professional meetings or conferences;

20 (ii) laboratory notes, preliminary data
21 analyses, notes of the author, phone logs, or
22 other information used to produce final
23 manuscripts;

24 (iii) classified research, research result-
25 ing in works that generate revenue or royal-

1 *ties for authors (such as books) or patent-*
2 *able discoveries, to the extent necessary to*
3 *protect a copyright or patent; or*

4 *(iv) authors who do not submit their*
5 *work to a journal or works that are rejected*
6 *by journals.*

7 *(3) RULE OF CONSTRUCTION REGARDING PATENT*
8 *OR COPYRIGHT LAW.—Nothing in this section shall be*
9 *construed to affect any right under the provisions of*
10 *title 17 or 35, United States Code.*

11 *(4) GAO REPORT.—Not later than 3 years after*
12 *the date of enactment of this section, and every 5*
13 *years thereafter, the Comptroller General of the*
14 *United States shall submit to Congress a report*
15 *that—*

16 *(A) includes an analysis of the period be-*
17 *tween the date on which each applicable paper*
18 *becomes publicly available in a journal and the*
19 *date on which the paper is in the online reposi-*
20 *tory of the applicable Federal agency; and*

21 *(B) examines the effectiveness of the Federal*
22 *research public access policy in providing the*
23 *public with free online access to papers on re-*
24 *search funded by each Federal agency required to*

1 develop a policy under paragraph (2)(A), includ-
2 ing—

3 (i) whether the terms of use applicable
4 to such research papers in effect are effective
5 in enabling productive reuse of the research
6 and computational analysis by state-of-the-
7 art technologies; and

8 (ii) whether such research papers
9 should include a royalty-free copyright li-
10 cense that is available to the public and
11 that permits the reuse of those research pa-
12 pers, on the condition that attribution is
13 given to the author or authors of the re-
14 search and any others designated by the
15 copyright owner.

16 (5) *DOWNSTREAM REPORTING.*—Any person or
17 institution awarded a grant from a Federal research
18 agency shall—

19 (A) notify and seek authorization from the
20 relevant agency for any funds derived from the
21 grant made available through a subgrant or sub-
22 sequent grant (including to an employee or sub-
23 division of the grant recipient's organization);
24 and

1 (5) *INDIVIDUAL LABORATORY-ASSOCIATED FOUN-*
2 *DATION.—The term “Individual Laboratory-Associ-*
3 *ated Foundation” means a Laboratory Foundation*
4 *established by an operating contractor of a National*
5 *Laboratory.*

6 (6) *NATIONAL LABORATORY.—The term “Na-*
7 *tional Laboratory” has the meaning given the term in*
8 *section 2 of the Energy Policy Act of 2005 (42 U.S.C.*
9 *15801).*

10 (7) *SECRETARY.—The term “Secretary” means*
11 *the Secretary of Energy.*

12 (b) *FOUNDATION FOR ENERGY SECURITY AND INNOVA-*
13 *TION.—*

14 (1) *ESTABLISHMENT.—*

15 (A) *IN GENERAL.—Not later than 180 days*
16 *after the date of enactment of this Act, the Sec-*
17 *retary shall establish a nonprofit corporation to*
18 *be known as the “Foundation for Energy Secu-*
19 *rity and Innovation”.*

20 (B) *MISSION.—The mission of the Founda-*
21 *tion shall be—*

22 (i) *to support the mission of the De-*
23 *partment; and*

24 (ii) *to advance collaboration with en-*
25 *ergy researchers, institutions of higher edu-*

1 *cation, industry, and nonprofit and philan-*
2 *thropic organizations to accelerate the com-*
3 *mercialization of energy technologies.*

4 *(C) LIMITATION.—The Foundation shall not*
5 *be an agency or instrumentality of the Federal*
6 *Government.*

7 *(D) TAX-EXEMPT STATUS.—The Board shall*
8 *take all necessary and appropriate steps to en-*
9 *sure that the Foundation is an organization that*
10 *is described in section 501(c) of the Internal*
11 *Revenue Code of 1986 and exempt from taxation*
12 *under section 501(a) of that Code.*

13 *(E) COLLABORATION WITH EXISTING ORGA-*
14 *NIZATIONS.—The Secretary may collaborate with*
15 *1 or more organizations to establish the Founda-*
16 *tion and carry out the activities of the Founda-*
17 *tion.*

18 *(2) BOARD OF DIRECTORS.—*

19 *(A) ESTABLISHMENT.—The Foundation*
20 *shall be governed by a Board of Directors.*

21 *(B) COMPOSITION.—*

22 *(i) IN GENERAL.—The Board shall be*
23 *composed of the ex officio nonvoting mem-*
24 *bers described in clause (ii) and the ap-*

1 *pointed voting members described in clause*
2 *(iii).*

3 *(ii) EX OFFICIO MEMBERS.—The ex*
4 *officio members of the Board shall be the fol-*
5 *lowing individuals or designees of those in-*
6 *dividuals:*

7 *(I) The Secretary.*

8 *(II) The Under Secretary for*
9 *Science and Energy.*

10 *(III) The Under Secretary for Nu-*
11 *clear Security.*

12 *(IV) The Chief Commercialization*
13 *Officer.*

14 *(iii) APPOINTED MEMBERS.—*

15 *(I) INITIAL MEMBERS.—The Sec-*
16 *retary and the other ex officio members*
17 *of the Board shall—*

18 *(aa) seek to enter into an*
19 *agreement with the National*
20 *Academies of Sciences, Engineer-*
21 *ing, and Medicine to develop a*
22 *list of individuals to serve as*
23 *members of the Board who are*
24 *well-qualified and will meet the*

1 requirements of subclauses (II)
2 and (III); and

3 (bb) appoint the initial
4 members of the Board from that
5 list, if applicable, in consultation
6 with the National Academies of
7 Sciences, Engineering, and Medi-
8 cine.

9 (II) REPRESENTATION.—The ap-
10 pointed members of the Board shall re-
11 flect a broad cross-section of stake-
12 holders from academia, industry, non-
13 profit organizations, State or local gov-
14 ernments, the investment community,
15 and the philanthropic community.

16 (III) EXPERIENCE.—The Sec-
17 retary shall ensure that a majority of
18 the appointed members of the Board—

19 (aa)(AA) has experience in
20 the energy sector;

21 (BB) has research experience
22 in the energy field; or

23 (CC) has experience in tech-
24 nology commercialization or foun-
25 dation operations; and

1 (bb) to the extent practicable,
2 represents diverse regions, sectors,
3 and communities.

4 (C) CHAIR AND VICE CHAIR.—

5 (i) IN GENERAL.—The Board shall des-
6 ignate from among the members of the
7 Board—

8 (I) an individual to serve as
9 Chair of the Board; and

10 (II) an individual to serve as Vice
11 Chair of the Board.

12 (ii) TERMS.—The term of service of the
13 Chair and Vice Chair of the Board shall
14 end on the earlier of—

15 (I) the date that is 3 years after
16 the date on which the Chair or Vice
17 Chair of the Board, as applicable, is
18 designated for the position; and

19 (II) the last day of the term of
20 service of the member, as determined
21 under subparagraph (D)(i), who is des-
22 ignated to be Chair or Vice Chair of
23 the Board, as applicable.

24 (iii) REPRESENTATION.—The Chair
25 and Vice Chair of the Board—

1 (I) shall not be representatives of
2 the same area of subject matter exper-
3 tise, or entity, as applicable, under
4 subparagraph (B)(iii)(II); and

5 (II) shall not be representatives of
6 any area of subject matter expertise, or
7 entity, as applicable, represented by
8 the immediately preceding Chair and
9 Vice Chair of the Board.

10 (D) TERMS AND VACANCIES.—

11 (i) TERMS.—

12 (I) IN GENERAL.—The term of
13 service of each appointed member of
14 the Board shall be not more than 5
15 years.

16 (II) INITIAL APPOINTED MEM-
17 BERS.—Of the initial members of the
18 Board appointed under subparagraph
19 (B)(iii)(I), half of the members shall
20 serve for 4 years and half of the mem-
21 bers shall serve for 5 years, as deter-
22 mined by the Chair of the Board.

23 (ii) VACANCIES.—Any vacancy in the
24 membership of the appointed members of the
25 Board—

1 (I) shall be filled in accordance
2 with the bylaws of the Foundation by
3 an individual capable of representing
4 the same area or entity, as applicable,
5 as represented by the vacating board
6 member under subparagraph
7 (B)(iii)(II);

8 (II) shall not affect the power of
9 the remaining appointed members to
10 execute the duties of the Board; and

11 (III) shall be filled by an indi-
12 vidual selected by the Board.

13 (E) MEETINGS; QUORUM.—

14 (i) INITIAL MEETING.—Not later than
15 60 days after the Board is established, the
16 Secretary shall convene a meeting of the ex
17 officio and appointed members of the Board
18 to incorporate the Foundation.

19 (ii) QUORUM.—A majority of the ap-
20 pointed members of the Board shall con-
21 stitute a quorum for purposes of conducting
22 the business of the Board.

23 (F) DUTIES.—The Board shall—

24 (i) establish bylaws for the Foundation
25 in accordance with subparagraph (G);

1 (ii) provide overall direction for the ac-
2 tivities of the Foundation and establish pri-
3 ority activities;

4 (iii) carry out any other necessary ac-
5 tivities of the Foundation;

6 (iv) evaluate the performance of the
7 Executive Director; and

8 (v) actively solicit and accept funds,
9 gifts, grants, devises, or bequests of real or
10 personal property to the Foundation, in-
11 cluding from private entities.

12 (G) BYLAWS.—

13 (i) IN GENERAL.—The bylaws estab-
14 lished under subparagraph (F)(i) may in-
15 clude—

16 (I) policies for the selection of
17 Board members, officers, employees,
18 agents, and contractors of the Founda-
19 tion;

20 (II) policies, including ethical
21 standards, for—

22 (aa) the acceptance, sollicita-
23 tion, and disposition of donations
24 and grants to the Foundation, in-
25 cluding appropriate limits on the

1 ability of donors to designate, by
2 stipulation or restriction, the use
3 or recipient of donated funds; and

4 (bb) the disposition of assets
5 of the Foundation;

6 (III) policies that subject all em-
7 ployees, fellows, trainees, and other
8 agents of the Foundation (including ex
9 officio and appointed members of the
10 Board) to conflict of interest standards;
11 and

12 (IV) the specific duties of the Ex-
13 ecutive Director.

14 (ii) *REQUIREMENTS.*—The Board shall
15 ensure that the bylaws of the Foundation
16 and the activities carried out under those
17 bylaws shall not—

18 (I) reflect unfavorably on the abil-
19 ity of the Foundation to carry out ac-
20 tivities in a fair and objective manner;
21 or

22 (II) compromise, or appear to
23 compromise, the integrity of any gov-
24 ernmental agency or program, or any
25 officer or employee employed by, or in-

1 *involved in, a governmental agency or*
2 *program.*

3 *(H) COMPENSATION.—*

4 *(i) IN GENERAL.—No member of the*
5 *Board shall receive compensation for serv-*
6 *ing on the Board.*

7 *(ii) CERTAIN EXPENSES.—In accord-*
8 *ance with the bylaws of the Foundation,*
9 *members of the Board may be reimbursed*
10 *for travel expenses, including per diem in*
11 *lieu of subsistence, and other necessary ex-*
12 *penses incurred in carrying out the duties*
13 *of the Board.*

14 *(3) PURPOSES.—The purposes of the Foundation*
15 *are—*

16 *(A) to support the Department in carrying*
17 *out the mission of the Department to ensure the*
18 *security and prosperity of the United States by*
19 *addressing energy, environmental, and nuclear*
20 *challenges through transformative science and*
21 *technology solutions; and*

22 *(B) to increase private and philanthropic*
23 *sector investments that support efforts to create,*
24 *characterize, develop, test, validate, and deploy*
25 *or commercialize innovative technologies that ad-*

1 *dress crosscutting national energy challenges by*
2 *methods that include—*

3 *(i) fostering collaboration and partner-*
4 *ships with researchers from the Federal*
5 *Government, State governments, institu-*
6 *tions of higher education, federally funded*
7 *research and development centers, industry,*
8 *and nonprofit organizations for the re-*
9 *search, development, or commercialization*
10 *of transformative energy and associated*
11 *technologies;*

12 *(ii) strengthening and sharing best*
13 *practices relating to regional economic de-*
14 *velopment through scientific and energy in-*
15 *novation, including in partnership with an*
16 *Individual Laboratory-Associated Founda-*
17 *tion;*

18 *(iii) promoting new product develop-*
19 *ment that supports job creation;*

20 *(iv) administering prize competi-*
21 *tions—*

22 *(I) to accelerate private sector*
23 *competition and investment; and*

24 *(II) that complement the use of*
25 *prize authority by the Department;*

1 (v) supporting programs that advance
2 technology maturation, especially where
3 there may be gaps in Federal or private
4 funding in advancing a technology to de-
5 ployment or commercialization from the
6 prototype stage to a commercial stage; and

7 (vi) facilitating access to Department
8 facilities, equipment, and human expertise
9 to assist in tackling national challenges.

10 (4) *ACTIVITIES.*—

11 (A) *STUDIES, COMPETITIONS, AND*
12 *PROJECTS.*—*The Foundation may conduct and*
13 *support studies, competitions, projects, and other*
14 *activities that further the purposes of the Foun-*
15 *ation described in paragraph (3).*

16 (B) *FELLOWSHIPS AND GRANTS.*—

17 (i) *IN GENERAL.*—*The Foundation*
18 *may award fellowships and grants for ac-*
19 *tivities relating to research, development,*
20 *demonstration, maturation, or commer-*
21 *cialization of energy and other Department-*
22 *supported technologies.*

23 (ii) *FORM OF AWARD.*—*A fellowship or*
24 *grant under clause (i) may consist of a sti-*
25 *pend, health insurance benefits, funds for*

1 *travel, and funds for other appropriate ex-*
2 *penses.*

3 *(iii) SELECTION.—In selecting a re-*
4 *recipient for a fellowship or grant under*
5 *clause (i), the Foundation—*

6 *(I) shall make the selection based*
7 *on the technical and commercialization*
8 *merits of the proposed project of the*
9 *potential recipient; and*

10 *(II) may consult with a potential*
11 *recipient regarding the ability of the*
12 *potential recipient to carry out various*
13 *projects that would further the pur-*
14 *poses of the Foundation described in*
15 *paragraph (3).*

16 *(iv) NATIONAL LABORATORIES.—A Na-*
17 *tional Laboratory that applies for or ac-*
18 *cepts an award under clause (i) shall not be*
19 *considered to be engaging in a competitive*
20 *process.*

21 *(C) ACCESSING FACILITIES AND EXPER-*
22 *TISE.—The Foundation may work with the De-*
23 *partment—*

1 (i) to leverage the capabilities and fa-
2 cilities of National Laboratories to commer-
3 cialize technology; and

4 (ii) to assist with resources, including
5 by providing information on the assets of
6 each National Laboratory that may enable
7 the deployment and commercialization of
8 technology.

9 (D) TRAINING AND EDUCATION.—The Foun-
10 dation may support programs that provide
11 training to researchers, scientists, other relevant
12 personnel at National Laboratories and institu-
13 tions of higher education, and previous or cur-
14 rent recipients of or applicants for Department
15 funding to help demonstrate, deploy, and com-
16 mercialize federally funded technology.

17 (E) MATURATION FUNDING.—The Founda-
18 tion shall support programs that provide matu-
19 ration funding to researchers to advance the
20 technology of those researchers for the purpose of
21 moving products from a prototype stage to a
22 commercial stage.

23 (F) STAKEHOLDER ENGAGEMENT.—The
24 Foundation shall convene, and may consult with,
25 representatives from the Department, institutions

1 of higher education, National Laboratories, the
2 private sector, and commercialization organiza-
3 tions to develop programs for the purposes of the
4 Foundation described in paragraph (3) and to
5 advance the activities of the Foundation.

6 (G) *INDIVIDUAL AND FEDERAL LABORA-*
7 *TORY-ASSOCIATED FOUNDATIONS.—*

8 (i) *DEFINITION OF COVERED FOUNDA-*
9 *TION.—In this subparagraph, the term*
10 *“covered foundation” means each of the fol-*
11 *lowing:*

12 (I) *An Individual Laboratory-As-*
13 *sociated Foundation.*

14 (II) *A Federal Laboratory-Associ-*
15 *ated Foundation established pursuant*
16 *to subsection (c)(1).*

17 (ii) *SUPPORT.—The Foundation shall*
18 *provide support to and collaborate with cov-*
19 *ered foundations.*

20 (iii) *GUIDELINES AND TEMPLATES.—*
21 *For the purpose of providing support under*
22 *clause (ii), the Secretary shall establish sug-*
23 *gested guidelines and templates for covered*
24 *foundations, including—*

1 (I) a standard adaptable organi-
2 zational design for responsible manage-
3 ment;

4 (II) standard and legally tenable
5 bylaws and money-handling proce-
6 dures; and

7 (III) a standard training cur-
8 riculum to orient and expand the oper-
9 ating expertise of personnel employed
10 by covered foundations.

11 (iv) *AFFILIATIONS.*—Nothing in this
12 subparagraph requires—

13 (I) an existing Individual Lab-
14 oratory-Associated Foundation to mod-
15 ify current practices or affiliate with
16 the Foundation; or

17 (II) a covered foundation to be
18 bound by charter or corporate bylaws
19 as permanently affiliated with the
20 Foundation.

21 (H) *SUPPLEMENTAL PROGRAMS.*—The
22 Foundation may carry out supplemental pro-
23 grams—

24 (i) to conduct and support forums,
25 meetings, conferences, courses, and training

1 *workshops consistent with the purposes of*
2 *the Foundation described in paragraph (3);*

3 *(ii) to support and encourage the un-*
4 *derstanding and development of data that*
5 *promotes the translation of technologies*
6 *from the research stage, through the develop-*
7 *ment and maturation stage, and ending in*
8 *the market stage;*

9 *(iii) for writing, editing, printing,*
10 *publishing, and vending books and other*
11 *materials relating to research carried out*
12 *under the Foundation and the Department;*
13 *and*

14 *(iv) to conduct other activities to carry*
15 *out and support the purposes of the Foun-*
16 *ation described in paragraph (3).*

17 *(I) EVALUATIONS.—The Foundation shall*
18 *support the development of an evaluation meth-*
19 *odology, to be used as part of any program sup-*
20 *ported by the Foundation, that shall—*

21 *(i) consist of qualitative and quan-*
22 *titative metrics; and*

23 *(ii) include periodic third party eval-*
24 *uation of those programs and other activi-*
25 *ties of the Foundation.*

1 (J) *COMMUNICATIONS.*—*The Foundation*
2 *shall develop an expertise in communications to*
3 *promote the work of grant and fellowship recipi-*
4 *ents under subparagraph (B), the commercializa-*
5 *tion successes of the Foundation, opportunities*
6 *for partnership with the Foundation, and other*
7 *activities.*

8 (K) *SOLICITATION AND USE OF FUNDS.*—
9 *The Foundation may solicit and accept gifts,*
10 *grants, and other donations, establish accounts,*
11 *and invest and expend funds in support of the*
12 *activities and programs of the Foundation.*

13 (5) *ADMINISTRATION.*—

14 (A) *EXECUTIVE DIRECTOR.*—*The Board*
15 *shall hire an Executive Director of the Founda-*
16 *tion, who shall serve at the pleasure of the*
17 *Board.*

18 (B) *COMPENSATION.*—*The Executive Direc-*
19 *tor shall be compensated at a level not greater*
20 *than the rate payable for level IV of the Execu-*
21 *tive Schedule under section 5315 of title 5,*
22 *United States Code.*

23 (C) *ADMINISTRATIVE CONTROL.*—*No mem-*
24 *ber of the Board, officer or employee of the Foun-*
25 *dation or of any program established by the*

1 *Foundation, or participant in a program estab-*
2 *lished by the Foundation, shall exercise adminis-*
3 *trative control over any Federal employee.*

4 *(D) STRATEGIC PLAN.—Not later than 1*
5 *year after the date of enactment of this Act, the*
6 *Foundation shall submit to the Committee on*
7 *Energy and Natural Resources of the Senate and*
8 *the Committee on Science, Space, and Tech-*
9 *nology of the House of Representatives a stra-*
10 *tegic plan that contains—*

11 *(i) a plan for the Foundation to be-*
12 *come financially self-sustaining in fiscal*
13 *year 2023 and thereafter (except for the*
14 *amounts provided each fiscal year under*
15 *paragraph (12)(A)(iii));*

16 *(ii) a forecast of major crosscutting en-*
17 *ergy challenge opportunities, including*
18 *short- and long-term objectives, identified by*
19 *the Board, with input from communities*
20 *representing the entities and areas of subject*
21 *matter expertise, as applicable, described in*
22 *paragraph (2)(B)(iii)(II);*

23 *(iii) a description of the efforts that the*
24 *Foundation will take to be transparent in*

1 *the processes of the Foundation, including*
2 *processes relating to—*

3 *(I) grant awards, including selec-*
4 *tion, review, and notification;*

5 *(II) communication of past, cur-*
6 *rent, and future research priorities;*

7 *and*

8 *(III) solicitation of and response*
9 *to public input on the opportunities*
10 *identified under clause (ii);*

11 *(iv) a description of the financial goals*
12 *and benchmarks of the Foundation for the*
13 *following 10 years; and*

14 *(v) a description of the efforts under-*
15 *taken by the Foundation to ensure max-*
16 *imum complementarity and minimum re-*
17 *dundancy with investments made by the*
18 *Department.*

19 *(E) ANNUAL REPORT.—Not later than 1*
20 *year after the date on which the Foundation is*
21 *established, and every 2 years thereafter, the*
22 *Foundation shall submit to the Committee on*
23 *Energy and Natural Resources of the Senate, the*
24 *Committee on Science, Space, and Technology of*
25 *the House of Representatives, and the Secretary*

1 a report that, for the year covered by the re-
2 port—

3 (i) describes the activities of the Foun-
4 dation and the progress of the Foundation
5 in furthering the purposes of the Founda-
6 tion described in paragraph (3);

7 (ii) provides a specific accounting of
8 the source and use of all funds made avail-
9 able to the Foundation to carry out those
10 activities to ensure transparency in the
11 alignment of Department missions and
12 policies with national security;

13 (iii) describes how the results of the ac-
14 tivities of the Foundation could be incor-
15 porated into the procurement processes of
16 the General Services Administration; and

17 (iv) includes a summary of each eval-
18 uation conducted using the evaluation meth-
19 odology described in paragraph (4)(I).

20 (F) *EVALUATION BY COMPTROLLER GEN-*
21 *ERAL.*—Not later than 5 years after the date on
22 which the Foundation is established, the Comp-
23 troller General of the United States shall submit
24 to the Committee on Energy and Natural Re-
25 sources of the Senate and the Committee on

1 *Science, Space, and Technology of the House of*
2 *Representatives—*

3 *(i) an evaluation of—*

4 *(I) the extent to which the Foun-*
5 *dation is achieving the mission of the*
6 *Foundation; and*

7 *(II) the operation of the Founda-*
8 *tion; and*

9 *(ii) any recommendations on how the*
10 *Foundation may be improved.*

11 *(G) AUDITS.—The Foundation shall—*

12 *(i) provide for annual audits of the fi-*
13 *nancial condition of the Foundation; and*

14 *(ii) make the audits, and all other*
15 *records, documents, and papers of the Foun-*
16 *dation, available to the Secretary and the*
17 *Comptroller General of the United States*
18 *for examination or audit.*

19 *(H) SEPARATE FUND ACCOUNTS.—The*
20 *Board shall ensure that any funds received under*
21 *paragraph (12)(A) are held in a separate ac-*
22 *count from any other funds received by the*
23 *Foundation.*

24 *(I) INTEGRITY.—*

1 (i) *IN GENERAL.*—*To ensure integrity*
2 *in the operations of the Foundation, the*
3 *Board shall develop and enforce procedures*
4 *relating to standards of conduct, financial*
5 *disclosure statements, conflicts of interest*
6 *(including recusal and waiver rules), au-*
7 *ditions, and any other matters determined ap-*
8 *propriate by the Board.*

9 (ii) *FINANCIAL CONFLICTS OF INTER-*
10 *EST.*—*To mitigate conflicts of interest and*
11 *risks from malign foreign influence, any in-*
12 *dividual who is an officer, employee, or*
13 *member of the Board is prohibited from any*
14 *participation in deliberations by the Foun-*
15 *dition of a matter that would directly or*
16 *predictably affect any financial interest*
17 *of—*

18 (I) *the individual;*

19 (II) *a relative (as defined in sec-*
20 *tion 109 of the Ethics in Government*
21 *Act of 1978 (5 U.S.C. App.)) of that*
22 *individual; or*

23 (III) *a business organization or*
24 *other entity in which the individual*
25 *has an interest, including an organiza-*

1 *tion or other entity with which the in-*
2 *dividual is negotiating employment.*

3 *(J) LIABILITY.—*

4 *(i) IN GENERAL.—The United States*
5 *shall not be liable for any debts, defaults,*
6 *acts, or omissions of—*

7 *(I) the Foundation;*

8 *(II) a Federal entity with respect*
9 *to an agreement of that Federal entity*
10 *with the Foundation; or*

11 *(III) an Individual Laboratory-*
12 *Associated Foundation with respect to*
13 *an agreement of that Federal entity*
14 *with the Foundation.*

15 *(ii) FULL FAITH AND CREDIT.—The*
16 *full faith and credit of the United States*
17 *shall not extend to any obligations of the*
18 *Foundation.*

19 *(K) NONAPPLICABILITY OF FACa.—The Fed-*
20 *eral Advisory Committee Act (5 U.S.C. App.)*
21 *shall not apply to the Foundation or an Indi-*
22 *vidual Laboratory-Associated Foundation.*

23 *(6) DEPARTMENT COLLABORATION.—*

24 *(A) NATIONAL LABORATORIES.—The Sec-*
25 *retary shall collaborate with the Foundation to*

1 *develop a process to ensure collaboration and co-*
2 *ordination between the Department, the Founda-*
3 *tion, and National Laboratories—*

4 *(i) to streamline contracting processes*
5 *between National Laboratories and the*
6 *Foundation, including by—*

7 *(I) streamlining the ability of the*
8 *Foundation to transfer equipment and*
9 *funds to National Laboratories;*

10 *(II) standardizing contract mech-*
11 *anisms to be used by the Foundation*
12 *in engaging with National Labora-*
13 *tories; and*

14 *(III) streamlining the ability of*
15 *the Foundation to fund endowed posi-*
16 *tions at National Laboratories;*

17 *(ii) to allow a National Laboratory or*
18 *site of a National Laboratory—*

19 *(I) to accept and perform work for*
20 *the Foundation, consistent with pro-*
21 *vided resources, notwithstanding any*
22 *other provision of law governing the*
23 *administration, mission, use, or oper-*
24 *ations of the National Laboratory or*
25 *site, as applicable; and*

1 (ii) to perform that work on a
2 basis equal to other missions at the Na-
3 tional Laboratory; and

4 (iii) to permit the director of any Na-
5 tional Laboratory or site of a National Lab-
6 oratory to enter into a cooperative research
7 and development agreement or negotiate a
8 licensing agreement with the Foundation
9 pursuant to section 12 of the Stevenson-
10 Wydler Technology Innovation Act of 1980
11 (15 U.S.C. 3710a).

12 (B) DEPARTMENT LIAISONS.—The Sec-
13 retary shall appoint liaisons from across the De-
14 partment to collaborate and coordinate with the
15 Foundation, including not less than 1 liaison
16 from the Office of Technology Transitions, who
17 shall ensure that the Foundation works in con-
18 junction with the Technology Commercialization
19 Fund of the Department.

20 (C) ADMINISTRATION.—The Secretary shall
21 leverage appropriate arrangements, contracts,
22 and directives to carry out the process developed
23 under subparagraph (A).

1 (7) *NATIONAL SECURITY.*—*Nothing in this sub-*
2 *section exempts the Foundation from any national se-*
3 *curity policy of the Department.*

4 (8) *SUPPORT SERVICES.*—*The Secretary may*
5 *provide facilities, utilities, and support services to the*
6 *Foundation if it is determined by the Secretary to be*
7 *advantageous to the research programs of the Depart-*
8 *ment.*

9 (9) *ANTI-DEFICIENCY ACT.*—*Subsection (a)(1) of*
10 *section 1341 of title 31, United States Code (com-*
11 *monly referred to as the “Anti-Deficiency Act”), shall*
12 *not apply to any Federal officer or employee carrying*
13 *out any activity of the Foundation using funds of the*
14 *Foundation.*

15 (10) *PREEMPTION OF AUTHORITY.*—*This sub-*
16 *section shall not preempt any authority or responsi-*
17 *bility of the Secretary under any other provision of*
18 *law.*

19 (11) *TRANSFER FUNDS.*—*The Foundation may*
20 *transfer funds to the Department, which shall be sub-*
21 *ject to all applicable Federal limitations relating to*
22 *federally funded research.*

23 (12) *AUTHORIZATION OF APPROPRIATIONS.*—

24 (A) *IN GENERAL.*—*Of the amounts author-*
25 *ized to be appropriated under section 2117(a)—*

1 (i) not less than \$1,500,000 shall be for
2 the Secretary for fiscal year 2022 to estab-
3 lish the Foundation;

4 (ii) not less than \$30,000,000 shall be
5 for the Foundation for fiscal year 2023 to
6 carry out the activities of the Foundation;
7 and

8 (iii) not less than \$3,000,000 shall be
9 for the Foundation for fiscal year 2024, and
10 each fiscal year thereafter, for administra-
11 tive and operational costs.

12 (B) *COST SHARE.*—Funds made available
13 under subparagraph (A)(ii) shall be required to
14 be cost-shared by a partner of the Foundation
15 other than the Department or a National Lab-
16 oratory.

17 (c) *NATIONAL ENERGY TECHNOLOGY LABORATORY-AS-*
18 *SOCIATED FOUNDATION.*—

19 (1) *ESTABLISHMENT.*—

20 (A) *IN GENERAL.*—Notwithstanding any
21 other provision of law, the National Energy
22 Technology Laboratory may establish, or enter
23 into an agreement with a nonprofit organization
24 to establish, a Federal Laboratory-Associated
25 Foundation (referred to in this subsection as a

1 “Laboratory Foundation”) to support the mis-
2 sion of the National Energy Technology Labora-
3 tory.

4 (B) NOT AGENCY OR INSTRUMENTALITY.—A
5 Laboratory Foundation shall not be an agency
6 or instrumentality of the Federal Government.

7 (C) GOVERNANCE STRUCTURE.—A Labora-
8 tory Foundation established under subparagraph
9 (A) shall have a separate governance structure
10 from, and shall be managed independently of, the
11 National Energy Technology Laboratory.

12 (2) ACTIVITIES.—Activities of a Laboratory
13 Foundation may include—

14 (A) conducting support studies, competi-
15 tions, projects, research, and other activities that
16 further the purpose of the Laboratory Founda-
17 tion;

18 (B) carrying out programs to foster collabo-
19 ration and partnership among researchers from
20 the Federal Government, State governments, in-
21 stitutions of higher education, federally funded
22 research and development centers, and industry
23 and nonprofit organizations relating to the re-
24 search, development, and commercialization of
25 federally supported technologies;

1 (C) carrying out programs to leverage tech-
2 nologies to support new product development
3 that supports regional economic development;

4 (D) administering prize competitions—

5 (i) to accelerate private sector competi-
6 tion and investment; and

7 (ii) that complement the use of prize
8 authority by the Department;

9 (E) providing fellowships and grants to re-
10 search and development personnel at, or affili-
11 ated with, federally funded centers, in accordance
12 with paragraph (3);

13 (F) carrying out programs—

14 (i) that allow scientists from foreign
15 countries to serve in research capacities in
16 the United States or other countries in asso-
17 ciation with the National Energy Tech-
18 nology Laboratory;

19 (ii) that provide opportunities for em-
20 ployees of the National Energy Technology
21 Laboratory to serve in research capacities
22 in foreign countries;

23 (iii) to conduct studies, projects, or re-
24 search in collaboration with national and
25 international nonprofit and for-profit orga-

1 nizations, which may include the provision
2 of stipends, travel, and other support for
3 personnel;

4 (iv)(I) to hold forums, meetings, con-
5 ferences, courses, and training workshops
6 that may include undergraduate, graduate,
7 post-graduate, and post-doctoral accredited
8 courses; and

9 (II) for the accreditation of those
10 courses by the Laboratory Foundation at
11 the State and national level for college de-
12 grees or continuing education credits;

13 (v) to support and encourage teachers
14 and students of science at all levels of edu-
15 cation;

16 (vi) to promote an understanding of
17 science amongst the general public;

18 (vii) for writing, editing, printing,
19 publishing, and vending of relevant books
20 and other materials; and

21 (viii) for the conduct of other activities
22 to carry out and support the purpose of the
23 Laboratory Foundation; and

24 (G) receiving, administering, soliciting, ac-
25 cepting, and using funds, gifts, devises, or be-

1 *quests, either absolutely or in trust of real or*
2 *personal property or any income therefrom, or*
3 *other interest or equity therein for the benefit of,*
4 *or in connection with, the mission of the appli-*
5 *cable Federal laboratory, in accordance with*
6 *paragraph (4).*

7 (3) *FELLOWSHIPS AND GRANTS.—*

8 (A) *SELECTION.—Recipients of fellowships*
9 *and grants described in paragraph (2)(E) shall*
10 *be selected—*

11 *(i) by a Laboratory Foundation and*
12 *the donors to a Laboratory Foundation;*

13 *(ii) subject to the agreement of the head*
14 *of the agency the mission of which is sup-*
15 *ported by a Laboratory Foundation; and*

16 *(iii) in the case of a fellowship, based*
17 *on the recommendation of the employees of*
18 *the National Energy Technology Laboratory*
19 *at which the fellow would serve.*

20 (B) *EXPENSES.—Fellowships and grants*
21 *described in paragraph (2)(E) may include sti-*
22 *pendes, travel, health insurance, benefits, and*
23 *other appropriate expenses.*

24 (4) *GIFTS.—An amount of funds, a gift, a de-*
25 *vice, or a bequest described in paragraph (2)(G) may*

1 *be accepted by a Laboratory Foundation regardless of*
2 *whether it is encumbered, restricted, or subject to a*
3 *beneficial interest of a private person if any current*
4 *or future interest of the funds, gift, devise, or bequest*
5 *is for the benefit of the research and development ac-*
6 *tivities of the National Energy Technology Labora-*
7 *tory.*

8 (5) *OWNERSHIP BY FEDERAL GOVERNMENT.*—A
9 *contribution, gift, or any other transfer made to or*
10 *for the use of a Laboratory Foundation shall be re-*
11 *garded as a contribution, gift, or transfer to or for the*
12 *use of the Federal Government.*

13 (6) *LIABILITY.*—*The United States shall not be*
14 *liable for any debts, defaults, acts, or omissions of a*
15 *Laboratory Foundation.*

16 (7) *TRANSFER OF FUNDS.*—*Notwithstanding any*
17 *other provision of law, a Laboratory Foundation may*
18 *transfer funds to the National Energy Technology*
19 *Laboratory and the National Energy Technology Lab-*
20 *oratory may accept that transfer of funds.*

21 (8) *OTHER LAWS.*—*This subsection shall not*
22 *alter or supersede any other provision of law gov-*
23 *erning the authority, scope, establishment, or use of*
24 *nonprofit organizations by a Federal agency.*

1 **TITLE VI—SPACE MATTERS**

2 **Subtitle A—SPACE Act**

3 **SEC. 2601. SHORT TITLE.**

4 *This subtitle may be cited as the “Space Preservation*
5 *and Conjunction Emergency Act of 2021” or the “SPACE*
6 *Act of 2021”.*

7 **SEC. 2602. SENSE OF CONGRESS.**

8 *It is the sense of Congress that—*

9 (1) *the increasingly congested nature of the space*
10 *environment requires immediate action to address the*
11 *threat of collisions between spacecraft and orbital de-*
12 *bris;*

13 (2) *such collisions threaten the billions of dollars*
14 *of existing United States and allied spacecraft, in-*
15 *cluding the International Space Station, and endan-*
16 *ger the future usability of space;*

17 (3) *the provision of accurate and timely notice*
18 *to commercial satellite operators with respect to po-*
19 *tential conjunctions enhances safety;*

20 (4) *a 2020 National Academies for Public Ad-*
21 *ministration study identified the Department of Com-*
22 *merce as the preferred Federal agency to manage,*
23 *process, and disseminate space situational awareness*
24 *data to commercial satellite operators; and*

1 (5) *given the growing space economy, elevating*
2 *the Office of Space Commerce within the Department*
3 *of Commerce may enhance the ability of the Office of*
4 *Space Commerce—*

5 (A) *to promote space safety through future*
6 *space situational awareness and space traffic*
7 *management efforts; and*

8 (B) *to coordinate with other Federal agen-*
9 *cies and foreign entities.*

10 **SEC. 2603. DEFINITIONS.**

11 *In this subtitle:*

12 (1) *CENTER.—The term “Center” means a Cen-*
13 *ter of Excellence for Space Situational Awareness es-*
14 *tablished under section 2605.*

15 (2) *INSTITUTION OF HIGHER EDUCATION.—The*
16 *term “institution of higher education” has the mean-*
17 *ing given the term in section 101 of the Higher Edu-*
18 *cation Act of 1965 (20 U.S.C. 1001).*

19 (3) *ORBITAL DEBRIS.—The term “orbital debris”*
20 *means any space object that—*

21 (A) *remains in orbit; and*

22 (B) *no longer serves any useful function or*
23 *purpose.*

24 (4) *SECRETARY.—The term “Secretary” means*
25 *the Secretary of Commerce.*

1 (5) *SPACE OBJECT*.—The term “space object”
 2 means any object launched into space or created in
 3 space by humans.

4 (6) *SPACE SITUATIONAL AWARENESS*.—The term
 5 “space situational awareness” means—

6 (A) the identification and characterization
 7 of space objects and orbital debris; and

8 (B) the understanding of the manner in
 9 which space objects and orbital debris behave in
 10 space.

11 **SEC. 2604. SPACE SITUATIONAL AWARENESS DATA, INFOR-**
 12 **MATION, AND SERVICES: PROVISION TO NON-**
 13 **UNITED STATES GOVERNMENT ENTITIES.**

14 (a) *IN GENERAL*.—Chapter 507 of title 51, United
 15 States Code, is amended by adding at the end the following:

16 **“§50704. Space situational awareness data, informa-**
 17 **tion, and services: provision to non-United**
 18 **States Government entities**

19 “(a) *SPACE SITUATIONAL AWARENESS PROGRAM*.—

20 “(1) *REQUIREMENT*.—Pursuant to the authority
 21 provided in section 50702, the Director of Space Com-
 22 merce, in coordination with appropriate entities
 23 within the Department of Commerce and the heads of
 24 other relevant Federal agencies—

1 “(A) shall carry out a program to improve
2 the collection, processing, and dissemination of
3 space situational awareness data, information,
4 and services;

5 “(B) subject to paragraph (2), may provide
6 such data, information, and services to 1 or more
7 eligible entities described in subsection (b);

8 “(C) may obtain such data, information,
9 and services from 1 or more such eligible entities;
10 and

11 “(D) not later than 180 days after the date
12 of the enactment of this section, shall obtain data
13 or services from 1 or more United States com-
14 mercial entities, to be stored in an open-architec-
15 ture data repository that uses commercially
16 available cloud-based computing platforms and
17 other analytic or visualization capabilities.

18 “(2) TYPE OF INFORMATION PROVIDED.—

19 “(A) IN GENERAL.—Data and information
20 provided to eligible entities under paragraph
21 (1)(B) shall be safety-related and unclassified.

22 “(B) NATIONAL SECURITY.—The Secretary
23 of Commerce, in consultation with the Secretary
24 of Defense and the heads of other relevant Fed-
25 eral agencies, shall develop a policy to determine

1 *the type of information that may be provided*
2 *under paragraph (1) without compromising the*
3 *national security interests of the United States.*

4 “(b) *ELIGIBLE ENTITY DESCRIBED.*—*An eligible enti-*
5 *ty described in this subsection is any non-United States*
6 *Government entity, including—*

7 “(1) *a State;*

8 “(2) *a political subdivision of a State;*

9 “(3) *a United States commercial entity;*

10 “(4) *the government of a foreign country; and*

11 “(5) *a foreign commercial entity.*

12 “(c) *PUBLIC SERVICES.*—

13 “(1) *IN GENERAL.*—*The Secretary of Commerce*
14 *shall designate a basic level of space situational*
15 *awareness data, information, and services to be pro-*
16 *vided at no charge to 1 or more eligible entities de-*
17 *scribed in subsection (b), which shall include public*
18 *services, free of charge, such as—*

19 “(A) *a public catalog of tracked space ob-*
20 *jects;*

21 “(B) *emergency conjunction notifications;*

22 *and*

23 “(C) *any other data or services the Director*
24 *of Space Commerce considers appropriate.*

1 “(2) *LIMITATION.*—*The Secretary of Commerce*
2 *may only provide data or services under paragraph*
3 *(1)(C) that compete with products offered by United*
4 *States commercial entities if the provision of such*
5 *data or services is required to address a threat to*
6 *space safety.*

7 “(d) *ADVANCED SERVICES.*—*The Secretary of Com-*
8 *merce may undertake activities to promote the development*
9 *of advanced space situational awareness data, information,*
10 *and services to foster the growth of a global space safety*
11 *industry.*

12 “(e) *PROCEDURES.*—*The Secretary of Commerce shall*
13 *establish procedures by which the authority under this sec-*
14 *tion shall be carried out.*

15 “(f) *IMMUNITY.*—*The United States, any agency or in-*
16 *strumentality thereof, and any individual, firm, corpora-*
17 *tion, or other person acting for the United States shall be*
18 *immune from any suit in any court for any cause of action*
19 *arising from the provision or receipt of space situational*
20 *awareness data, information, or services, whether or not*
21 *provided in accordance with this section, or any related ac-*
22 *tion or omission.*

1 **“§ 50705. Authorization of appropriations**

2 *“There is authorized to be appropriated to the Sec-*
 3 *retary of Commerce to carry out this chapter \$15,000,000*
 4 *for fiscal year 2021.”.*

5 **(b) TECHNICAL AND CONFORMING AMENDMENT.**—*The*
 6 *table of sections for chapter 507 of title 51, United States*
 7 *Code, is amended by inserting after the item relating to*
 8 *section 50703 the following:*

*“50704. Space situational awareness data, information, and services: provision to
 non-United States Government entities.*

“50705. Authorization of appropriations.”.

9 **SEC. 2605. CENTERS OF EXCELLENCE FOR SPACE SITUA-**
 10 **TIONAL AWARENESS.**

11 **(a) IN GENERAL.**—*Subject to appropriations, the Sec-*
 12 *retary shall award grants to eligible entities to establish 1*
 13 *or more Centers of Excellence for Space Situational Aware-*
 14 *ness to advance scientific, technological, transdisciplinary,*
 15 *and policy research in space situational awareness.*

16 **(b) PURPOSES.**—*Each Center shall—*

17 **(1)** *conduct transdisciplinary research, develop-*
 18 *ment, and demonstration projects related to detecting,*
 19 *tracking, identifying, characterizing, modeling, and*
 20 *minimizing space safety, security, and sustainability*
 21 *risks to improve—*

22 **(A)** *space situational awareness and the de-*
 23 *velopment of open-architecture resources for im-*
 24 *proved space safety, security, and sustainability;*

1 (B) the unique identification, tracking, clas-
2 sification, prediction, and modeling of orbital
3 debris and space objects;

4 (C) the monitoring, quantification, assess-
5 ment, modeling, and prediction of space oper-
6 ations and environmental threats and hazards,
7 including in space collisions;

8 (D) peer exchange and documentation of
9 evidence-based practices, policies, laws, and regu-
10 lations related to orbital debris mitigation and
11 remediation; and

12 (E) sharing, modeling, and curation of data
13 related to orbital debris, space objects, and the
14 environment of orbital debris and space objects;

15 (2) conduct policy research related to space safe-
16 ty, security, and sustainability so as to improve shar-
17 ing of common data and legal standards related to or-
18 bital debris;

19 (3) leverage non-Federal sources of support to
20 improve space situational awareness and minimize
21 space safety, security, and sustainability risks; and

22 (4) draw on commercial capabilities and data,
23 as appropriate.

24 (c) *ELIGIBLE ENTITIES*.—

1 (1) *IN GENERAL.*—*To be eligible for a grant*
2 *under this section, an entity shall be a consortium led*
3 *by—*

4 (A) *an institution of higher education; or*

5 (B) *a nonprofit organization.*

6 (2) *MEMBERSHIP OF CONSORTIUM.*—*The consor-*
7 *tium referred to in paragraph (1) may include 1 or*
8 *more—*

9 (A) *commercial entities;*

10 (B) *Federal laboratories, including Depart-*
11 *ment of Defense research laboratories; and*

12 (C) *other institutions of higher education or*
13 *nonprofit organizations.*

14 (d) *CONSIDERATIONS.*—*In awarding grants under this*
15 *section, the Secretary shall consider, at a minimum—*

16 (1) *the potential of a proposed Center—*

17 (A) *to improve the science and technology of*
18 *space situational awareness; and*

19 (B) *to reduce the amount of space safety, se-*
20 *curity, and sustainability risks; and*

21 (2) *the commitment of financial support, advice,*
22 *participation, and other contributions from non-Fed-*
23 *eral sources.*

24 (e) *GRANT PERIOD.*—*A grant awarded under this sec-*
25 *tion shall be awarded for a period of 5 years.*

1 (f) *AUTHORIZATION OF APPROPRIATIONS.*—*There is*
2 *authorized to be appropriated to carry out this section*
3 *\$20,000,000.*

4 ***Subtitle B—National Aeronautics***
5 ***and Space Administration Au-***
6 ***thorization Act***

7 ***SEC. 2611. SHORT TITLE.***

8 *This subtitle may be cited as the “National Aero-*
9 *navtics and Space Administration Authorization Act of*
10 *2021”.*

11 ***SEC. 2612. DEFINITIONS.***

12 *In this subtitle:*

13 (1) *ADMINISTRATION.*—*The term “Administra-*
14 *tion” means the National Aeronautics and Space Ad-*
15 *ministration.*

16 (2) *ADMINISTRATOR.*—*The term “Adminis-*
17 *trator” means the Administrator of the National Aer-*
18 *onautics and Space Administration.*

19 (3) *APPROPRIATE COMMITTEES OF CONGRESS.*—
20 *Except as otherwise expressly provided, the term “ap-*
21 *propriate committees of Congress” means—*

22 (A) *the Committee on Commerce, Science,*
23 *and Transportation of the Senate; and*

24 (B) *the Committee on Science, Space, and*
25 *Technology of the House of Representatives.*

1 (4) *CISLUNAR SPACE.*—*The term “cislunar*
2 *space” means the region of space beyond low-Earth*
3 *orbit out to and including the region around the sur-*
4 *face of the Moon.*

5 (5) *DEEP SPACE.*—*The term “deep space” means*
6 *the region of space beyond low-Earth orbit, including*
7 *cislunar space.*

8 (6) *DEVELOPMENT COST.*—*The term “develop-*
9 *ment cost” has the meaning given the term in section*
10 *30104 of title 51, United States Code.*

11 (7) *ISS.*—*The term “ISS” means the Inter-*
12 *national Space Station.*

13 (8) *ISS MANAGEMENT ENTITY.*—*The term “ISS*
14 *management entity” means the organization with*
15 *which the Administrator has entered into a coopera-*
16 *tive agreement under section 504(a) of the National*
17 *Aeronautics and Space Administration Authorization*
18 *Act of 2010 (42 U.S.C. 18354(a)).*

19 (9) *NASA.*—*The term “NASA” means the Na-*
20 *tional Aeronautics and Space Administration.*

21 (10) *ORION.*—*The term “Orion” means the mul-*
22 *tipurpose crew vehicle described in section 303 of the*
23 *National Aeronautics and Space Administration Au-*
24 *thorization Act of 2010 (42 U.S.C. 18323).*

1 (11) *OSTP*.—The term “*OSTP*” means the Of-
2 *ice of Science and Technology Policy*.

3 (12) *SPACE LAUNCH SYSTEM*.—The term “*Space*
4 *Launch System*” means the *Space Launch System*
5 *authorized under section 302 of the National Aero-*
6 *navics and Space Administration Act of 2010 (42*
7 *U.S.C. 18322)*.

8 ***PART I—AUTHORIZATION OF APPROPRIATIONS***

9 ***SEC. 2613. AUTHORIZATION OF APPROPRIATIONS.***

10 *There are authorized to be appropriated to the Admin-*
11 *istration for fiscal year 2021 \$23,495,000,000 as follows:*

12 (1) *For Exploration, \$6,706,400,000.*

13 (2) *For Space Operations, \$3,988,200,000.*

14 (3) *For Science, \$7,274,700,000.*

15 (4) *For Aeronautics, \$828,700,000.*

16 (5) *For Space Technology, \$1,206,000,000.*

17 (6) *For Science, Technology, Engineering, and*
18 *Mathematics Engagement, \$120,000,000.*

19 (7) *For Safety, Security, and Mission Services,*
20 *\$2,936,500,000.*

21 (8) *For Construction and Environmental Com-*
22 *pliance and Restoration, \$390,300,000.*

23 (9) *For Inspector General, \$44,200,000.*

1 **PART II—HUMAN SPACEFLIGHT AND**
2 **EXPLORATION**

3 **SEC. 2614. COMPETITIVENESS WITHIN THE HUMAN LAND-**
4 **ING SYSTEM PROGRAM.**

5 (a) *SENSE OF CONGRESS.*—*It is the sense of Congress*
6 *that—*

7 (1) *advances in space technology and space ex-*
8 *ploration capabilities ensure the long-term techno-*
9 *logical preeminence, economic competitiveness, STEM*
10 *workforce development, and national security of the*
11 *United States;*

12 (2) *the development of technologies that enable*
13 *human exploration of the lunar surface and other ce-*
14 *lestial bodies is critical to the space industrial base*
15 *of the United States;*

16 (3) *commercial entities in the United States have*
17 *made significant investment and progress toward the*
18 *development of human-class lunar landers;*

19 (4) *NASA developed the Artemis program—*

20 (A) *to fulfill the goal of landing United*
21 *States astronauts, including the first woman and*
22 *the next man, on the Moon; and*

23 (B) *to collaborate with commercial and*
24 *international partners to establish sustainable*
25 *lunar exploration by 2028;*

1 (5) *in carrying out the Artemis program, the*
2 *Administrator should ensure that the entire Artemis*
3 *program is inclusive and representative of all people*
4 *of the United States, including women and minori-*
5 *ties; and*

6 (6) *maintaining multiple technically credible*
7 *providers within NASA commercial programs is a*
8 *best practice that reduces programmatic risk.*

9 (b) *STATEMENT OF POLICY.—It shall be the policy of*
10 *the United States—*

11 (1) *to bolster the domestic space technology in-*
12 *dustrial base, using existing tools and authorities,*
13 *particularly in areas central to competition between*
14 *the United States and the People’s Republic of China;*
15 *and*

16 (2) *to mitigate threats and minimize challenges*
17 *to the superiority of the United States in space tech-*
18 *nology, including lunar infrastructure and lander ca-*
19 *pabilities.*

20 (c) *HUMAN LANDING SYSTEM PROGRAM.—*

21 (1) *IN GENERAL.—Not later than 60 days after*
22 *the date of the enactment of this division, the Admin-*
23 *istrator shall maintain competitiveness within the*
24 *human landing system program by funding design,*

1 *development, testing, and evaluation for not fewer*
2 *than 2 entities.*

3 (2) *REQUIREMENTS.—In carrying out the*
4 *human landing system program referred to in para-*
5 *graph (1), the Administrator shall, to the extent prac-*
6 *ticable—*

7 (A) *encourage reusability and sustainability*
8 *of systems developed; and*

9 (B) *offer existing capabilities and assets of*
10 *NASA centers to support such partnerships.*

11 (3) *BRIEFING.—Not later than 60 days after the*
12 *date of the enactment of this division, the Adminis-*
13 *trator shall provide to the appropriate committees of*
14 *Congress a briefing on the implementation of para-*
15 *graph (1).*

16 (4) *AUTHORIZATION OF APPROPRIATIONS.—In*
17 *addition to amounts otherwise appropriated for the*
18 *Artemis program, for fiscal years 2021 through 2025,*
19 *there is authorized to be appropriated*
20 *\$10,032,000,000 to NASA to carry out the human*
21 *landing system program.*

22 (5) *SAVINGS.—The Administrator shall not, in*
23 *order to comply with the obligations referred to in*
24 *paragraph (1), modify, terminate, or rescind any se-*
25 *lection decisions or awards made under the human*

1 *landing system program that were announced prior*
2 *to the date of enactment of this division.*

3 *(d) APPROPRIATE COMMITTEES OF CONGRESS DE-*
4 *FINED.—In this section, the term “appropriate committees*
5 *of Congress” means—*

6 *(1) the Committee on Commerce, Science, and*
7 *Transportation and the Committee on Appropriations*
8 *of the Senate; and*

9 *(2) the Committee on Science, Space, and Tech-*
10 *nology and the Committee on Appropriations of the*
11 *House of Representatives.*

12 **SEC. 2615. SPACE LAUNCH SYSTEM CONFIGURATIONS.**

13 *(a) MOBILE LAUNCH PLATFORM.—The Administrator*
14 *is authorized to maintain 2 operational mobile launch plat-*
15 *forms to enable the launch of multiple configurations of the*
16 *Space Launch System.*

17 *(b) EXPLORATION UPPER STAGE.—To meet the capa-*
18 *bility requirements under section 302(c)(2) of the National*
19 *Aeronautics and Space Administration Authorization Act*
20 *of 2010 (42 U.S.C. 18322(c)(2)), the Administrator shall*
21 *continue development of the Exploration Upper Stage for*
22 *the Space Launch System with a scheduled availability suf-*
23 *ficient for use on the third launch of the Space Launch Sys-*
24 *tem.*

1 (c) *BRIEFING.*—Not later than 90 days after the date
2 of the enactment of this division, the Administrator shall
3 brief the appropriate committees of Congress on the develop-
4 ment and scheduled availability of the Exploration Upper
5 Stage for the third launch of the Space Launch System.

6 (d) *MAIN PROPULSION TEST ARTICLE.*—To meet the
7 requirements under section 302(c)(3) of the National Aero-
8 nautics and Space Administration Authorization Act of
9 2010 (42 U.S.C. 18322(c)(3)), the Administrator shall—

10 (1) immediately on completion of the first full-
11 duration integrated core stage test of the Space
12 Launch System, initiate development of a main pro-
13 pulsion test article for the integrated core stage pro-
14 pulsion elements of the Space Launch System, con-
15 sistent with cost and schedule constraints, particu-
16 larly for long-lead propulsion hardware needed for
17 flight;

18 (2) not later than 180 days after the date of the
19 enactment of this division, submit to the appropriate
20 committees of Congress a detailed plan for the devel-
21 opment and operation of such main propulsion test
22 article; and

23 (3) use existing capabilities of NASA centers for
24 the design, manufacture, and operation of the main
25 propulsion test article.

1 **SEC. 2616. ADVANCED SPACESUITS.**

2 (a) *SENSE OF CONGRESS.*—*It is the sense of Congress*
3 *that next-generation advanced spacesuits are a critical tech-*
4 *nology for human space exploration and use of low-Earth*
5 *orbit, cislunar space, the surface of the Moon, and Mars.*

6 (b) *DEVELOPMENT PLAN.*—*The Administrator shall*
7 *establish a detailed plan for the development and manufac-*
8 *ture of advanced spacesuits, consistent with the deep space*
9 *exploration goals and timetables of NASA.*

10 (c) *DIVERSE ASTRONAUT CORPS.*—*The Administrator*
11 *shall ensure that spacesuits developed and manufactured*
12 *after the date of the enactment of this division are capable*
13 *of accommodating a wide range of sizes of astronauts so*
14 *as to meet the needs of the diverse NASA astronaut corps.*

15 (d) *ISS USE.*—*Throughout the operational life of the*
16 *ISS, the Administrator should fully use the ISS for testing*
17 *advanced spacesuits.*

18 (e) *PRIOR INVESTMENTS.*—

19 (1) *IN GENERAL.*—*In developing an advanced*
20 *spacesuit, the Administrator shall, to the maximum*
21 *extent practicable, partner with industry-proven*
22 *spacesuit design, development, and manufacturing*
23 *suppliers and leverage prior and existing investments*
24 *in advanced spacesuit technologies and existing capa-*
25 *bilities at NASA centers to maximize the benefits of*
26 *such investments and technologies.*

1 (2) *AGREEMENTS WITH PRIVATE ENTITIES.*—*In*
2 *carrying out this subsection, the Administrator may*
3 *enter into 1 or more agreements with 1 or more pri-*
4 *vate entities for the manufacture of advanced*
5 *spacesuits, as the Administrator considers appro-*
6 *priate.*

7 (f) *BRIEFING.*—*Not later than 180 days after the date*
8 *of the enactment of this division, and semiannually there-*
9 *after until NASA procures advanced spacesuits under this*
10 *section, the Administrator shall brief the appropriate com-*
11 *mittees of Congress on the development plan in subsection*
12 *(b).*

13 **SEC. 2617. ACQUISITION OF DOMESTIC SPACE TRANSPOR-**
14 **TATION AND LOGISTICS RESUPPLY SERVICES.**

15 (a) *IN GENERAL.*—*Except as provided in subsection*
16 *(b), the Administrator shall not enter into any contract*
17 *with a person or entity that proposes to use, or will use,*
18 *a foreign launch provider for a commercial service to pro-*
19 *vide space transportation or logistics resupply for—*

20 (1) *the ISS; or*

21 (2) *any Government-owned or Government-fund-*
22 *ed platform in Earth orbit or cislunar space, on the*
23 *lunar surface, or elsewhere in space.*

24 (b) *EXCEPTION.*—*The Administrator may enter into*
25 *a contract with a person or an entity that proposes to use,*

1 *or will use, a foreign launch provider for a commercial serv-*
2 *ice to carry out an activity described in subsection (a) if—*

3 *(1) a domestic vehicle or service is unavailable;*

4 *or*

5 *(2) the launch vehicle or service is a contribution*
6 *by a partner to an international no-exchange-of-funds*
7 *collaborative effort.*

8 *(c) RULE OF CONSTRUCTION.—Nothing in this section*
9 *shall be construed to prohibit the Administrator from enter-*
10 *ing into 1 or more no-exchange-of-funds collaborative agree-*
11 *ments with an international partner in support of the deep*
12 *space exploration plan of NASA.*

13 **SEC. 2618. ROCKET ENGINE TEST INFRASTRUCTURE.**

14 *(a) IN GENERAL.—The Administrator shall continue*
15 *to carry out a program to modernize rocket propulsion test*
16 *infrastructure at NASA facilities—*

17 *(1) to increase capabilities;*

18 *(2) to enhance safety;*

19 *(3) to support propulsion development and test-*
20 *ing; and*

21 *(4) to foster the improvement of Government and*
22 *commercial space transportation and exploration.*

23 *(b) PROJECTS.—Projects funded under the program*
24 *described in subsection (a) may include—*

1 (1) *infrastructure and other facilities and sys-*
2 *tems relating to rocket propulsion test stands and*
3 *rocket propulsion testing;*

4 (2) *enhancements to test facility capacity and*
5 *flexibility; and*

6 (3) *such other projects as the Administrator con-*
7 *siders appropriate to meet the goals described in that*
8 *subsection.*

9 (c) *REQUIREMENTS.—In carrying out the program*
10 *under subsection (a), the Administrator shall—*

11 (1) *prioritize investments in projects that en-*
12 *hance test and flight certification capabilities for*
13 *large thrust-level atmospheric and altitude engines*
14 *and engine systems, and multi-engine integrated test*
15 *capabilities;*

16 (2) *continue to make underutilized test facilities*
17 *available for commercial use on a reimbursable basis;*
18 *and*

19 (3) *ensure that no project carried out under this*
20 *program adversely impacts, delays, or defers testing*
21 *or other activities associated with facilities used for*
22 *Government programs, including—*

23 (A) *the Space Launch System and the Ex-*
24 *ploration Upper Stage of the Space Launch Sys-*
25 *tem;*

1 (B) *in-space propulsion to support explo-*
2 *ration missions; or*

3 (C) *nuclear propulsion testing.*

4 (d) *RULE OF CONSTRUCTION.—Nothing in this section*
5 *shall preclude a NASA program, including the Space*
6 *Launch System and the Exploration Upper Stage of the*
7 *Space Launch System, from using the modernized test in-*
8 *frastructure developed under this section.*

9 (e) *WORKING CAPITAL FUND STUDY.—*

10 (1) *IN GENERAL.—Not later than 180 days after*
11 *the date of the enactment of this division, the Admin-*
12 *istrator shall submit to the appropriate committees of*
13 *Congress a report on the use of the authority under*
14 *section 30102 of title 51, United States Code, to pro-*
15 *mote increased use of NASA rocket propulsion test in-*
16 *frastructure for research, development, testing, and*
17 *evaluation activities by other Federal agencies, firms,*
18 *associations, corporations, and educational institu-*
19 *tions.*

20 (2) *MATTERS TO BE INCLUDED.—The report re-*
21 *quired by paragraph (1) shall include the following:*

22 (A) *An assessment of prior use, if any, of*
23 *the authority under section 30102 of title 51,*
24 *United States Code, to improve testing infra-*
25 *structure.*

1 (B) *An analysis of any barrier to imple-*
2 *mentation of such authority for the purpose of*
3 *promoting increased use of NASA rocket propul-*
4 *sion test infrastructure.*

5 **SEC. 2619. PEARL RIVER MAINTENANCE.**

6 (a) *IN GENERAL.*—*The Administrator shall coordinate*
7 *with the Chief of the Army Corps of Engineers to ensure*
8 *the continued navigability of the Pearl River and Little*
9 *Lake channels sufficient to support NASA barge operations*
10 *surrounding Stennis Space Center and the Michoud Assem-*
11 *bly Facility.*

12 (b) *REPORT TO CONGRESS.*—*Not later than 180 days*
13 *after the date of the enactment of this division, the Adminis-*
14 *trator shall submit to the appropriate committees of Con-*
15 *gress a report on efforts under subsection (a).*

16 (c) *APPROPRIATE COMMITTEES OF CONGRESS DE-*
17 *FINED.*—*In this section, the term “appropriate committees*
18 *of Congress” means—*

19 (1) *the Committee on Commerce, Science, and*
20 *Transportation, the Committee on Environment and*
21 *Public Works, and the Committee on Appropriations*
22 *of the Senate; and*

23 (2) *the Committee on Science, Space, and Tech-*
24 *nology, the Committee on Transportation and Infra-*

1 (b) *MAINTENANCE OF UNITED STATES SEGMENT AND*
2 *ASSURANCE OF CONTINUED OPERATIONS.*—Section 503(a)
3 *of the National Aeronautics and Space Administration Au-*
4 *thorization Act of 2010 (42 U.S.C. 18353(a)) is amended*
5 *by striking “September 30, 2024” and inserting “September*
6 *30, 2030”.*

7 (c) *RESEARCH CAPACITY ALLOCATION AND INTEGRA-*
8 *TION OF RESEARCH PAYLOADS.*—Section 504(d) of the Na-
9 *tional Aeronautics and Space Administration Authoriza-*
10 *tion Act of 2010 (42 U.S.C. 18354(d)) is amended—*

11 (1) *in paragraph (1), in the first sentence—*

12 (A) *by striking “As soon as practicable”*
13 *and all that follows through “2011,” and insert-*
14 *ing “The”; and*

15 (B) *by striking “September 30, 2024” and*
16 *inserting “September 30, 2030”; and*

17 (2) *in paragraph (2), in the third sentence, by*
18 *striking “September 30, 2024” and inserting “Sep-*
19 *tember 30, 2030”.*

20 (d) *MAINTENANCE OF USE.*—Section 70907 of title 51,
21 *United States Code, is amended—*

22 (1) *in the section heading, by striking “2024”*
23 *and inserting “2030”;*

24 (2) *in subsection (a), by striking “September 30,*
25 *2024” and inserting “September 30, 2030”; and*

1 (3) in subsection (b)(3), by striking “September
2 30, 2024” and inserting “September 30, 2030”.

3 (e) *TRANSITION PLAN REPORTS*.—Section 50111(c)(2)
4 of title 51, United States Code is amended—

5 (1) in the matter preceding subparagraph (A),
6 by striking “2023” and inserting “2028”; and

7 (2) in subparagraph (J), by striking “2028” and
8 inserting “2030”.

9 (f) *ELIMINATION OF INTERNATIONAL SPACE STATION*
10 *NATIONAL LABORATORY ADVISORY COMMITTEE*.—Section
11 70906 of title 51, United States Code, is repealed.

12 (g) *CONFORMING AMENDMENTS*.—Chapter 709 of title
13 51, United States Code, is amended—

14 (1) by redesignating section 70907 as section
15 70906; and

16 (2) in the table of sections for the chapter, by
17 striking the items relating to sections 70906 and
18 70907 and inserting the following:

“70906. Maintaining use through at least 2030.”.

19 **SEC. 2622. DEPARTMENT OF DEFENSE ACTIVITIES ON**
20 **INTERNATIONAL SPACE STATION.**

21 (a) *IN GENERAL*.—Not later than 180 days after the
22 date of the enactment of this division, the Secretary of De-
23 fense shall—

24 (1) identify and review each activity, program,
25 and project of the Department of Defense completed,

1 *of private entities in the United States to fulfill the low-*
2 *Earth orbit requirements of the Administration.*

3 (c) *NONCOMPETITION.*—

4 (1) *IN GENERAL.*—*Except as provided in para-*
5 *graph (2), the Administrator may not offer to a for-*
6 *ign person or a foreign government a spaceflight*
7 *product or service relating to the ISS, if a com-*
8 *parable spaceflight product or service, as applicable,*
9 *is offered by a private entity in the United States.*

10 (2) *EXCEPTION.*—*The Administrator may offer a*
11 *spaceflight product or service relating to the ISS to*
12 *the government of a country that is a signatory to the*
13 *Agreement Among the Government of Canada, Gov-*
14 *ernments of Member States of the European Space*
15 *Agency, the Government of Japan, the Government of*
16 *the Russian Federation, and the Government of the*
17 *United States of America Concerning Cooperation on*
18 *the Civil International Space Station, signed at*
19 *Washington January 29, 1998, and entered into force*
20 *on March 27, 2001 (TIAS 12927), including an inter-*
21 *national partner astronaut (as defined in section*
22 *50902 of title 51, United States Code) that is spon-*
23 *sored by the government of such a country.*

24 (d) *SHORT-DURATION COMMERCIAL MISSIONS.*—*To*
25 *provide opportunities for additional transport of astronauts*

1 *to the ISS and help establish a commercial market in low-*
2 *Earth orbit, the Administrator may permit short-duration*
3 *missions to the ISS for commercial passengers on a fully*
4 *or partially reimbursable basis.*

5 *(e) PROGRAM AUTHORIZATION.—*

6 *(1) ESTABLISHMENT.—The Administrator shall*
7 *establish a low-Earth orbit commercial development*
8 *program to encourage the fullest commercial use and*
9 *development of space by private entities in the United*
10 *States.*

11 *(2) ELEMENTS.—The program established under*
12 *paragraph (1) shall, to the maximum extent prac-*
13 *ticable, include activities—*

14 *(A) to stimulate demand for—*

15 *(i) space-based commercial research,*
16 *development, and manufacturing;*

17 *(ii) spaceflight products and services;*

18 *and*

19 *(iii) human spaceflight products and*
20 *services in low-Earth orbit;*

21 *(B) to improve the capability of the ISS to*
22 *accommodate commercial users; and*

23 *(C) subject to paragraph (3), to foster the*
24 *development of commercial space stations and*
25 *habitats.*

1 (3) *COMMERCIAL SPACE STATIONS AND HABI-*
2 *TATS.—*

3 (A) *PRIORITY.—With respect to an activity*
4 *to develop a commercial space station or habitat,*
5 *the Administrator shall give priority to an activ-*
6 *ity for which a private entity provides a signifi-*
7 *cant share of the cost to develop and operate the*
8 *activity.*

9 (B) *REPORT.—Not later than 30 days after*
10 *the date that an award or agreement is made to*
11 *carry out an activity to develop a commercial*
12 *space station or habitat, the Administrator shall*
13 *submit to the appropriate committees of Congress*
14 *a report on the development of the commercial*
15 *space station or habitat, as applicable, that in-*
16 *cludes—*

17 (i) *a business plan that describes the*
18 *manner in which the project will—*

19 (I) *meet the future requirements*
20 *of NASA for low-Earth orbit human*
21 *space-flight services; and*

22 (II) *fulfill the cost-share funding*
23 *prioritization under subparagraph (A);*
24 *and*

1 (ii) a review of the viability of the
2 operational business case, including—

3 (I) the level of expected Govern-
4 ment participation;

5 (II) a list of anticipated non-
6 governmental an international cus-
7 tomers and associated contributions;
8 and

9 (III) an assessment of long-term
10 sustainability for the nongovernmental
11 customers, including an independent
12 assessment of the viability of the mar-
13 ket for such commercial services or
14 products.

15 **SEC. 2624. MAINTAINING A NATIONAL LABORATORY IN**
16 **SPACE.**

17 (a) *SENSE OF CONGRESS.*—It is the sense of Congress
18 that—

19 (1) the United States segment of the Inter-
20 national Space Station (as defined in section 70905
21 of title 51, United States Code), which is designated
22 as a national laboratory under section 70905(b) of
23 title 51, United States Code—

24 (A) benefits the scientific community and
25 promotes commerce in space;

1 (B) fosters stronger relationships among
2 NASA and other Federal agencies, the private
3 sector, and research groups and universities;

4 (C) advances science, technology, engineer-
5 ing, and mathematics education through use of
6 the unique microgravity environment; and

7 (D) advances human knowledge and inter-
8 national cooperation;

9 (2) after the ISS is decommissioned, the United
10 States should maintain a national microgravity lab-
11 oratory in space;

12 (3) in maintaining a national microgravity lab-
13 oratory in space, the United States should make ap-
14 propriate accommodations for different types of own-
15 ership and operation arrangements for the ISS and
16 future space stations;

17 (4) to the maximum extent practicable, a na-
18 tional microgravity laboratory in space should be
19 maintained in cooperation with international space
20 partners; and

21 (5) NASA should continue to support funda-
22 mental science research on future platforms in low-
23 Earth orbit and cislunar space, orbital and suborbital
24 flights, drop towers, and other microgravity testing
25 environments.

1 (b) *REPORT.*—*The Administrator, in coordination*
2 *with the National Space Council and other Federal agencies*
3 *as the Administrator considers appropriate, shall issue a*
4 *report detailing the feasibility of establishing a micro-*
5 *gravity national laboratory federally funded research and*
6 *development center to carry out activities relating to the*
7 *study and use of in-space conditions.*

8 **SEC. 2625. INTERNATIONAL SPACE STATION NATIONAL LAB-**
9 **ORATORY; PROPERTY RIGHTS IN INVEN-**
10 **TIONS.**

11 (a) *IN GENERAL.*—*Subchapter III of chapter 201 of*
12 *title 51, United States Code, is amended by adding at the*
13 *end the following:*

14 **“§ 20150. Property rights in designated inventions**

15 “(a) *EXCLUSIVE PROPERTY RIGHTS.*—*Notwith-*
16 *standing section 3710a of title 15, chapter 18 of title 35,*
17 *section 20135, or any other provision of law, a designated*
18 *invention shall be the exclusive property of a user, and shall*
19 *not be subject to a Government-purpose license, if—*

20 “(1)(A) *the Administration is reimbursed under*
21 *the terms of the contract for the full cost of a con-*
22 *tribution by the Federal Government of the use of*
23 *Federal facilities, equipment, materials, proprietary*
24 *information of the Federal Government, or services of*
25 *a Federal employee during working hours, including*

1 *the cost for the Administration to carry out its re-*
2 *sponsibilities under paragraphs (1) and (4) of section*
3 *504(d) of the National Aeronautics and Space Ad-*
4 *ministration Authorization Act of 2010 (42 U.S.C.*
5 *18354(d));*

6 *“(B) Federal funds are not transferred to the*
7 *user under the contract; and*

8 *“(C) the designated invention was made (as de-*
9 *fined in section 20135(a))—*

10 *“(i) solely by the user; or*

11 *“(ii)(I) by the user with the services of a*
12 *Federal employee under the terms of the contract;*
13 *and*

14 *“(II) the Administration is reimbursed for*
15 *such services under subparagraph (B); or*

16 *“(2) the Administrator determines that the rel-*
17 *evant field of commercial endeavor is sufficiently im-*
18 *mature that granting exclusive property rights to the*
19 *user is necessary to help bolster demand for products*
20 *and services produced on crewed or crew-tended space*
21 *stations.*

22 *“(b) NOTIFICATION TO CONGRESS.—On completion of*
23 *a determination made under paragraph (2), the Adminis-*
24 *trator shall submit to the appropriate committees of Con-*

1 *gress a notification of the determination that includes a*
2 *written justification.*

3 “(c) *PUBLIC AVAILABILITY.*—*A determination or part*
4 *of such determination under paragraph (1) shall be made*
5 *available to the public on request, as required under section*
6 *552 of title 5, United States Code (commonly referred to*
7 *as the ‘Freedom of Information Act’).*

8 “(d) *RULE OF CONSTRUCTION.*—*Nothing in this sec-*
9 *tion may be construed to affect the rights of the Federal*
10 *Government, including property rights in inventions, under*
11 *any contract, except in the case of a written contract with*
12 *the Administration or the ISS management entity for the*
13 *performance of a designated activity.*

14 “(e) *DEFINITIONS.*—*In this section—*

15 “(1) *CONTRACT.*—*The term ‘contract’ has the*
16 *meaning giving the term in section 20135(a).*

17 “(2) *DESIGNATED ACTIVITY.*—*The term ‘des-*
18 *ignated activity’ means any non-NASA scientific use*
19 *of the ISS national laboratory as described in section*
20 *504 of the National Aeronautics and Space Adminis-*
21 *tration Authorization Act of 2010 (42 U.S.C. 18354).*

22 “(3) *DESIGNATED INVENTION.*—*The term ‘des-*
23 *ignated invention’ means any invention, product, or*
24 *service conceived or first reduced to practice by any*
25 *person in the performance of a designated activity*

1 *under a written contract with the Administration or*
2 *the ISS management entity.*

3 “(4) *FULL COST.*—*The term ‘full cost’ means the*
4 *cost of transporting materials or passengers to and*
5 *from the ISS, including any power needs, the disposal*
6 *of mass, crew member time, stowage, power on the*
7 *ISS, data downlink, crew consumables, and life sup-*
8 *port.*

9 “(5) *GOVERNMENT-PURPOSE LICENSE.*—*The*
10 *term ‘Government-purpose license’ means the reserva-*
11 *tion by the Federal Government of an irrevocable,*
12 *nonexclusive, nontransferable, royalty-free license for*
13 *the use of an invention throughout the world by or on*
14 *behalf of the United States or any foreign government*
15 *pursuant to a treaty or agreement with the United*
16 *States.*

17 “(6) *ISS MANAGEMENT ENTITY.*—*The term ‘ISS*
18 *management entity’ means the organization with*
19 *which the Administrator enters into a cooperative*
20 *agreement under section 504(a) of the National Aero-*
21 *navics and Space Administration Authorization Act*
22 *of 2010 (42 U.S.C. 18354(a)).*

23 “(7) *USER.*—*The term ‘user’ means a person, in-*
24 *cluding a nonprofit organization or small business*
25 *firm (as such terms are defined in section 201 of title*

1 35), or class of persons that enters into a written con-
 2 tract with the Administration or the ISS manage-
 3 ment entity for the performance of designated activi-
 4 ties.”.

5 (b) *CONFORMING AMENDMENT.*—The table of sections
 6 for chapter 201 of title 51, United States Code, is amended
 7 by inserting after the item relating to section 20149 the fol-
 8 lowing:

“20150. Property rights in designated inventions.”.

9 **SEC. 2626. DATA FIRST PRODUCED DURING NON-NASA SCI-**
 10 **ENTIFIC USE OF THE ISS NATIONAL LABORA-**
 11 **TORY.**

12 (a) *DATA RIGHTS.*—Subchapter III of chapter 201 of
 13 title 51, United States Code, as amended by section 2626,
 14 is further amended by adding at the end the following:

15 **“§20151. Data rights**

16 “(a) *NON-NASA SCIENTIFIC USE OF THE ISS NA-*
 17 *TIONAL LABORATORY.*—The Federal Government may not
 18 use or reproduce, or disclose outside of the Government, any
 19 data first produced in the performance of a designated ac-
 20 tivity under a written contract with the Administration or
 21 the ISS management entity, unless—

22 “(1) otherwise agreed under the terms of the con-
 23 tract with the Administration or the ISS manage-
 24 ment entity, as applicable;

1 “(2) *the designated activity is carried out with*
2 *Federal funds;*

3 “(3) *disclosure is required by law;*

4 “(4) *the Federal Government has rights in the*
5 *data under another Federal contract, grant, coopera-*
6 *tive agreement, or other transaction; or*

7 “(5) *the data is—*

8 “(A) *otherwise lawfully acquired or inde-*
9 *pendently developed by the Federal Government;*

10 “(B) *related to the health and safety of per-*
11 *sonnel on the ISS; or*

12 “(C) *essential to the performance of work by*
13 *the ISS management entity or NASA personnel.*

14 “(b) *DEFINITIONS.—In this section:*

15 “(1) *CONTRACT.—The term ‘contract’ has the*
16 *meaning given the term under section 20135(a).*

17 “(2) *DATA.—*

18 “(A) *IN GENERAL.—The term ‘data’ means*
19 *recorded information, regardless of form or the*
20 *media on which it may be recorded.*

21 “(B) *INCLUSIONS.—The term ‘data’ in-*
22 *cludes technical data and computer software.*

23 “(C) *EXCLUSIONS.—The term ‘data’ does*
24 *not include information incidental to contract*
25 *administration, such as financial, administra-*

1 *tive, cost or pricing, or management informa-*
2 *tion.*

3 “(3) *DESIGNATED ACTIVITY.*—*The term ‘des-*
4 *ignated activity’ has the meaning given the term in*
5 *section 20150.*

6 “(4) *ISS MANAGEMENT ENTITY.*—*The term ‘ISS*
7 *management entity’ has the meaning given the term*
8 *in section 20150.”.*

9 **(b) *SPECIAL HANDLING OF TRADE SECRETS OR CON-***
10 ***FIDENTIAL INFORMATION.***—*Section 20131(b)(2) of title 51,*
11 *United States Code, is amended to read as follows:*

12 “(2) *INFORMATION DESCRIBED.*—

13 “(A) *ACTIVITIES UNDER AGREEMENT.*—*In-*
14 *formation referred to in paragraph (1) is infor-*
15 *mation that—*

16 “(i) *results from activities conducted*
17 *under an agreement entered into under sub-*
18 *sections (e) and (f) of section 20113; and*

19 “(ii) *would be a trade secret or com-*
20 *mercial or financial information that is*
21 *privileged or confidential within the mean-*
22 *ing of section 552(b)(4) of title 5 if the in-*
23 *formation had been obtained from a non-*
24 *Federal party participating in such an*
25 *agreement.*

1 “(B) *CERTAIN DATA*.—Information referred
2 to in paragraph (1) includes data (as defined in
3 section 20151) that—

4 “(i) was first produced by the Admin-
5 istration in the performance of any des-
6 ignated activity (as defined in section
7 20150); and

8 “(ii) would be a trade secret or com-
9 mercial or financial information that is
10 privileged or confidential within the mean-
11 ing of section 552(b)(4) of title 5 if the data
12 had been obtained from a non-Federal
13 party.”.

14 (c) *CONFORMING AMENDMENT*.—The table of sections
15 for chapter 201 of title 51, United States Code, as amended
16 by section 2626, is further amended by inserting after the
17 item relating to section 20150 the following:

 “20151. *Data rights*.”.

18 **SEC. 2627. PAYMENTS RECEIVED FOR COMMERCIAL SPACE-**
19 **ENABLED PRODUCTION ON THE ISS.**

20 (a) *SENSE OF CONGRESS*.—It is the sense of Congress
21 that—

22 (1) the Administrator should determine a thresh-
23 old for NASA to recover the costs of supporting the
24 commercial development of products or services
25 aboard the ISS, through the negotiation of agree-

1 *ment, or services of a Federal employee during*
2 *working hours, including the cost for the Admin-*
3 *istration to carry out its responsibilities under*
4 *paragraphs (1) and (4) of section 504(d) of the*
5 *National Aeronautics and Space Administration*
6 *Authorization Act of 2010 (42 U.S.C. 18354(d)).*

7 “(2) *NEGOTIATION OF REIMBURSEMENTS.*—Sub-
8 *ject to the review described in paragraph (1), the Ad-*
9 *ministrator shall seek to enter into an agreement to*
10 *negotiate reimbursements for payments received, or*
11 *portions of profits created, by any mature, profitable*
12 *private entity described in that paragraph, as appro-*
13 *priate, through a tiered process that reflects the prof-*
14 *itability of the relevant product or service.*

15 “(3) *USE OF FUNDS.*—Amounts received by the
16 *Administrator in accordance with an agreement*
17 *under paragraph (2) shall be used by the Adminis-*
18 *trator in the following order of priority:*

19 “(A) *To defray the operating cost of the*
20 *ISS.*

21 “(B) *To develop, implement, or operate fu-*
22 *ture low-Earth orbit platforms or capabilities.*

23 “(C) *To develop, implement, or operate fu-*
24 *ture human deep space platforms or capabilities.*

1 “(D) *Any other costs the Administrator con-*
2 *siders appropriate.*

3 “(4) *REPORT.—On completion of the first an-*
4 *nuual review under paragraph (1), and annually*
5 *thereafter, the Administrator shall submit to the ap-*
6 *propriate committees of Congress a report that in-*
7 *cludes a description of the results of the annual re-*
8 *view, any agreement entered into under this section,*
9 *and the amounts recouped or obtained under any*
10 *such agreement.*

11 “(b) *LICENSING AND ASSIGNMENT OF INVENTIONS.—*
12 *Notwithstanding sections 3710a and 3710c of title 15 and*
13 *any other provision of law, after payment in accordance*
14 *with subsection (A)(i) of such section 3710c(a)(1)(A)(i) to*
15 *the inventors who have directly assigned to the Federal Gov-*
16 *ernment their interests in an invention under a written*
17 *contract with the Administration or the ISS management*
18 *entity for the performance of a designated activity, the bal-*
19 *ance of any royalty or other payment received by the Ad-*
20 *ministrator or the ISS management entity from licensing*
21 *and assignment of such invention shall be paid by the Ad-*
22 *ministrator or the ISS management entity, as applicable,*
23 *to the Space Exploration Fund.*

24 “(c) *SPACE EXPLORATION FUND.—*

1 “(1) *ESTABLISHMENT.*—*There is established in*
2 *the Treasury of the United States a fund, to be known*
3 *as the ‘Space Exploration Fund’ (referred to in this*
4 *subsection as the ‘Fund’), to be administered by the*
5 *Administrator.*

6 “(2) *USE OF FUND.*—*The Fund shall be avail-*
7 *able to carry out activities described in subsection*
8 *(a)(3).*

9 “(3) *DEPOSITS.*—*There shall be deposited in the*
10 *Fund—*

11 “(A) *amounts appropriated to the Fund;*

12 “(B) *fees and royalties collected by the Ad-*
13 *ministrator or the ISS management entity under*
14 *subsections (a) and (b); and*

15 “(C) *donations or contributions designated*
16 *to support authorized activities.*

17 “(4) *RULE OF CONSTRUCTION.*—*Amounts avail-*
18 *able to the Administrator under this subsection shall*
19 *be—*

20 “(A) *in addition to amounts otherwise*
21 *made available for the purpose described in*
22 *paragraph (2); and*

23 “(B) *available for a period of 5 years, to the*
24 *extent and in the amounts provided in annual*
25 *appropriation Acts.*

1 “(d) *DEFINITIONS.*—

2 “(1) *IN GENERAL.*—*In this section, any term*
3 *used in this section that is also used in section 20150*
4 *shall have the meaning given the term in that section.*

5 “(2) *APPROPRIATE COMMITTEES OF CON-*
6 *GRESS.*—*The term ‘appropriate committees of Con-*
7 *gress’ means—*

8 “(A) *the Committee on Commerce, Science,*
9 *and Transportation and the Committee on Ap-*
10 *propriations of the Senate; and*

11 “(B) *the Committee on Science, Space, and*
12 *Technology and the Committee on Appropria-*
13 *tions of the House of Representatives.”*

14 (c) *CONFORMING AMENDMENT.*—*The table of sections*
15 *for chapter 201 of title 51, United States Code, as amended*
16 *by section and 2626, is further amended by inserting after*
17 *the item relating to section 20151 the following:*

“20152. *Payments received for commercial space-enabled production.*”.

18 **SEC. 2628. STEPPING STONE APPROACH TO EXPLORATION.**

19 (a) *IN GENERAL.*—*Section 70504 of title 51, United*
20 *States Code, is amended to read as follows:*

21 **“§ 70504. Stepping stone approach to exploration**

22 “(a) *IN GENERAL.*—*The Administrator, in sustainable*
23 *steps, may conduct missions to intermediate destinations,*
24 *such as the Moon, in accordance with section 20302(b), and*
25 *on a timetable determined by the availability of funding,*

1 *in order to achieve the objective of human exploration of*
2 *Mars specified in section 202(b)(5) of the National Aero-*
3 *nautics and Space Administration Authorization Act of*
4 *2010 (42 U.S.C. 18312(b)(5)), if the Administrator—*

5 “(1) *determines that each such mission dem-*
6 *onstrates or advances a technology or operational con-*
7 *cept that will enable human missions to Mars; and*

8 “(2) *incorporates each such mission into the*
9 *human exploration roadmap under section 432 of the*
10 *National Aeronautics and Space Administration*
11 *Transition Authorization Act of 2017 (Public Law*
12 *115–10; 51 U.S.C. 20302 note).*

13 “(b) *CISLUNAR SPACE EXPLORATION ACTIVITIES.—In*
14 *conducting a mission under subsection (a), the Adminis-*
15 *trator shall—*

16 “(1) *use a combination of launches of the Space*
17 *Launch System and space transportation services*
18 *from United States commercial providers, as appro-*
19 *priate, for the mission;*

20 “(2) *plan for not fewer than 1 Space Launch*
21 *System launch annually beginning after the first suc-*
22 *cessful crewed launch of Orion on the Space Launch*
23 *System; and*

24 “(3) *establish an outpost in orbit around the*
25 *Moon that—*

1 “(A) demonstrates technologies, systems,
2 and operational concepts directly applicable to
3 the space vehicle that will be used to transport
4 humans to Mars;

5 “(B) has the capability for periodic human
6 habitation; and

7 “(C) can function as a point of departure,
8 return, or staging for Administration or non-
9 governmental or international partner missions
10 to multiple locations on the lunar surface or
11 other destinations.

12 “(c) *COST-EFFECTIVENESS.*—To maximize the cost-ef-
13 fectiveness of the long-term space exploration and utiliza-
14 tion activities of the United States, the Administrator shall
15 take all necessary steps, including engaging nongovern-
16 mental and international partners, to ensure that activities
17 in the Administration’s human space exploration program
18 are balanced in order to help meet the requirements of fu-
19 ture exploration and utilization activities leading to human
20 habitation on the surface of Mars.

21 “(d) *COMPLETION.*—Within budgetary considerations,
22 once an exploration-related project enters its development
23 phase, the Administrator shall seek, to the maximum extent
24 practicable, to complete that project without undue delay.

1 “(e) *INTERNATIONAL PARTICIPATION.*—*To achieve the*
2 *goal of successfully conducting a crewed mission to the sur-*
3 *face of Mars, the Administrator shall invite the partners*
4 *in the ISS program and other nations, as appropriate, to*
5 *participate in an international initiative under the leader-*
6 *ship of the United States.”.*

7 “(b) *DEFINITION OF CISLUNAR SPACE.*—*Section 10101*
8 *of title 51, United States Code, is amended by adding at*
9 *the end the following:*

10 “(3) *CISLUNAR SPACE.*—*The term ‘cislunar*
11 *space’ means the region of space beyond low-Earth*
12 *orbit out to and including the region around the sur-*
13 *face of the Moon.”.*

14 “(c) *TECHNICAL AND CONFORMING AMENDMENTS.*—
15 *Section 3 of the National Aeronautics and Space Adminis-*
16 *tration Authorization Act of 2010 (42 U.S.C. 18302) is*
17 *amended by striking paragraphs (2) and (3) and inserting*
18 *the following:*

19 “(2) *APPROPRIATE COMMITTEES OF CON-*
20 *GRESS.*—*The term ‘appropriate committees of Con-*
21 *gress’ means—*

22 “(A) *the Committee on Commerce, Science,*
23 *and Transportation of the Senate; and*

24 “(B) *the Committee on Science, Space, and*
25 *Technology of the House of Representatives.*

1 “(3) *CISLUNAR SPACE*.—The term ‘*cislunar*
2 *space*’ means the region of space beyond low-Earth
3 orbit out to and including the region around the sur-
4 face of the Moon.”.

5 **SEC. 2629. TECHNICAL AMENDMENTS RELATING TO**
6 **ARTEMIS MISSIONS.**

7 (a) Section 421 of the National Aeronautics and Space
8 Administration Authorization Act of 2017 (Public Law
9 115–10; 51 U.S.C. 20301 note) is amended—

10 (1) in subsection (c)(3)—

11 (A) by striking “EM–1” and inserting
12 “Artemis I”;

13 (B) by striking “EM–2” and inserting
14 “Artemis II”; and

15 (C) by striking “EM–3” and inserting
16 “Artemis III”; and

17 (2) in subsection (f)(3), by striking “EM–3” and
18 inserting “Artemis III”.

19 (b) Section 432(b) of the National Aeronautics and
20 Space Administration Authorization Act of 2017 (Public
21 Law 115–10; 51 U.S.C. 20302 note) is amended—

22 (1) in paragraph (3)(D)—

23 (A) by striking “EM–1” and inserting
24 “Artemis I”; and

1 (B) by striking “EM-2” and inserting
2 “Artemis II”; and
3 (2) in paragraph (4)(C), by striking “EM-3”
4 and inserting “Artemis III”.

5 **PART III—SCIENCE**

6 **SEC. 2631. SCIENCE PRIORITIES.**

7 (a) *SENSE OF CONGRESS ON SCIENCE PORTFOLIO.*—
8 Congress reaffirms the sense of Congress that—

9 (1) a balanced and adequately funded set of ac-
10 tivities, consisting of research and analysis grant pro-
11 grams, technology development, suborbital research
12 activities, and small, medium, and large space mis-
13 sions, contributes to a robust and productive science
14 program and serves as a catalyst for innovation and
15 discovery; and

16 (2) the Administrator should set science prior-
17 ities by following the guidance provided by the sci-
18 entific community through the decadal surveys of the
19 National Academies of Sciences, Engineering, and
20 Medicine.

21 (b) *NATIONAL ACADEMIES DECADEAL SURVEYS.*—Sec-
22 tion 20305(c) of title 51, United States Code, is amended—

23 (1) by striking “The Administrator shall” and
24 inserting the following:

1 “(1) *REEXAMINATION OF PRIORITIES BY NA-*
2 *TIONAL ACADEMIES.—The Administrator shall*”; and

3 (2) *by adding at the end the following:*

4 “(2) *REEXAMINATION OF PRIORITIES BY ADMIN-*
5 *ISTRATOR.—If the Administrator decides to reexam-*
6 *ine the applicability of the priorities of the decadal*
7 *surveys to the missions and activities of the Adminis-*
8 *tration due to scientific discoveries or external factors,*
9 *the Administrator shall consult with the relevant com-*
10 *mittees of the National Academies.*”.

11 **SEC. 2632. LUNAR DISCOVERY PROGRAM.**

12 (a) *IN GENERAL.—The Administrator may carry out*
13 *a program to conduct lunar science research, including mis-*
14 *sions to the surface of the Moon, that materially contributes*
15 *to the objective described in section 20102(d)(1) of title 51,*
16 *United States Code.*

17 (b) *COMMERCIAL LANDERS.—In carrying out the pro-*
18 *gram under subsection (a), the Administrator shall procure*
19 *the services of commercial landers developed primarily by*
20 *United States industry to land science payloads of all class-*
21 *es on the lunar surface.*

22 (c) *LUNAR SCIENCE RESEARCH.—The Administrator*
23 *shall ensure that lunar science research carried out under*
24 *subsection (a) is consistent with recommendations made by*

1 *the National Academies of Sciences, Engineering, and Med-*
2 *icine.*

3 (d) *LUNAR POLAR VOLATILES.*—*In carrying out the*
4 *program under subsection (a), the Administrator shall, at*
5 *the earliest opportunity, consider mission proposals to*
6 *evaluate the potential of lunar polar volatiles to contribute*
7 *to sustainable lunar exploration.*

8 **SEC. 2633. SEARCH FOR LIFE.**

9 (a) *SENSE OF CONGRESS.*—*It is the sense of Congress*
10 *that—*

11 (1) *the report entitled “An Astrobiology Strategy*
12 *for the Search for Life in the Universe” published by*
13 *the National Academies of Sciences, Engineering, and*
14 *Medicine outlines the key scientific questions and*
15 *methods for fulfilling the objective of NASA to search*
16 *for the origin, evolution, distribution, and future of*
17 *life in the universe; and*

18 (2) *the interaction of lifeforms with their envi-*
19 *ronment, a central focus of astrobiology research, is a*
20 *topic of broad significance to life sciences research in*
21 *space and on Earth.*

22 (b) *PROGRAM CONTINUATION.*—

23 (1) *IN GENERAL.*—*The Administrator shall con-*
24 *tinue to implement a collaborative, multidisciplinary*
25 *science and technology development program to search*

1 *for proof of the existence or historical existence of life*
2 *beyond Earth in support of the objective described in*
3 *section 20102(d)(10) of title 51, United States Code.*

4 (2) *ELEMENT.—The program under paragraph*
5 *(1) shall include activities relating to astronomy, bi-*
6 *ology, geology, and planetary science.*

7 (3) *COORDINATION WITH LIFE SCIENCES PRO-*
8 *GRAM.—In carrying out the program under para-*
9 *graph (1), the Administrator shall coordinate efforts*
10 *with the life sciences program of the Administration.*

11 (4) *TECHNOSIGNATURES.—In carrying out the*
12 *program under paragraph (1), the Administrator*
13 *shall support activities to search for and analyze*
14 *technosignatures.*

15 (5) *INSTRUMENTATION AND SENSOR TECH-*
16 *NOLOGY.—In carrying out the program under para-*
17 *graph (1), the Administrator may strategically invest*
18 *in the development of new instrumentation and sensor*
19 *technology.*

20 **SEC. 2634. JAMES WEBB SPACE TELESCOPE.**

21 (a) *SENSE OF CONGRESS.—It is the sense of Congress*
22 *that—*

23 (1) *the James Webb Space Telescope will be the*
24 *next premier observatory in space and has great po-*

1 *tential to further scientific study and assist scientists*
2 *in making new discoveries in the field of astronomy;*

3 *(2) the James Webb Space Telescope was devel-*
4 *oped as an ambitious project with a scope that was*
5 *not fully defined at inception and with risk that was*
6 *not fully known or understood;*

7 *(3) despite the major technology development and*
8 *innovation that was needed to construct the James*
9 *Webb Space Telescope, major negative impacts to the*
10 *cost and schedule of the James Webb Space Telescope*
11 *resulted from poor program management and poor*
12 *contractor performance;*

13 *(4) the Administrator should take into account*
14 *the lessons learned from the cost and schedule issues*
15 *relating to the development of the James Webb Space*
16 *Telescope in making decisions regarding the scope of*
17 *and the technologies needed for future scientific mis-*
18 *sions; and*

19 *(5) in selecting future scientific missions, the Ad-*
20 *ministrator should take into account the impact that*
21 *large programs that overrun cost and schedule esti-*
22 *mates may have on other NASA programs in earlier*
23 *phases of development.*

24 *(b) PROJECT CONTINUATION.—The Administrator*
25 *shall continue—*

1 (1) to closely track the cost and schedule per-
2 formance of the James Webb Space Telescope project;
3 and

4 (2) to improve the reliability of cost estimates
5 and contractor performance data throughout the re-
6 maining development of the James Webb Space Tele-
7 scope.

8 (c) *REVISED ESTIMATE.*—Due to delays to the James
9 Webb Space Telescope project resulting from the COVID-
10 19 pandemic, the Administrator shall provide to Con-
11 gress—

12 (1) an estimate of any increase to program de-
13 velopment costs, if such costs are anticipated to exceed
14 \$8,802,700,000; and

15 (2) an estimate for a revised launch date.

16 **SEC. 2635. NANCY GRACE ROMAN SPACE TELESCOPE.**

17 (a) *SENSE OF CONGRESS.*—It is the sense of Congress
18 that—

19 (1) major growth in the cost of astrophysics flag-
20 ship-class missions has impacted the overall portfolio
21 balance of the Science Mission Directorate; and

22 (2) the Administrator should continue to develop
23 the Nancy Grace Roman Space Telescope with a de-
24 velopment cost of not more than \$3,200,000,000.

1 (c) *BRIEFING*.—Not later than 1 year after the date
2 of the enactment of this division, the Administrator shall
3 provide to the appropriate committees of Congress a brief-
4 ing on the results of the study conducted under subsection
5 (a).

6 (d) *PUBLIC AVAILABILITY*.—Not later than 30 days
7 after the Administrator provides the briefing under sub-
8 section (c), the Administrator shall make the study con-
9 ducted under subsection (a) available to the public.

10 **SEC. 2637. EARTH SCIENCE MISSIONS AND PROGRAMS.**

11 (a) *SENSE OF CONGRESS*.—It is the sense of Congress
12 that the Earth Science Division of NASA plays an impor-
13 tant role in national efforts—

14 (1) to collect and use Earth observations in serv-
15 ice to society; and

16 (2) to understand global change.

17 (b) *EARTH SCIENCE MISSIONS AND PROGRAMS*.—With
18 respect to the missions and programs of the Earth Science
19 Division, the Administrator shall, to the maximum extent
20 practicable, follow the recommendations and guidance pro-
21 vided by the scientific community through the decadal sur-
22 vey for Earth science and applications from space of the
23 National Academies of Sciences, Engineering, and Medi-
24 cine, including—

1 (1) *the science priorities described in such sur-*
2 *vey;*

3 (2) *the execution of the series of existing or pre-*
4 *viously planned observations (commonly known as the*
5 *“program of record”); and*

6 (3) *the development of a range of missions of all*
7 *classes, including opportunities for principal investi-*
8 *gator-led, competitively selected missions.*

9 **SEC. 2638. LIFE SCIENCE AND PHYSICAL SCIENCE RE-**
10 **SEARCH.**

11 (a) *SENSE OF CONGRESS.—It is the sense of Congress*
12 *that—*

13 (1) *the 2011 decadal survey on biological and*
14 *physical sciences in space identifies—*

15 (A) *many areas in which fundamental sci-*
16 *entific research is needed to efficiently advance*
17 *the range of human activities in space, from the*
18 *first stages of exploration to eventual economic*
19 *development; and*

20 (B) *many areas of basic and applied sci-*
21 *entific research that could use the microgravity,*
22 *radiation, and other aspects of the spaceflight en-*
23 *vironment to answer fundamental scientific ques-*
24 *tions;*

1 (2) *given the central role of life science and phys-*
2 *ical science research in developing the future of space*
3 *exploration, NASA should continue to invest strategi-*
4 *cally in such research to maintain United States*
5 *leadership in space exploration; and*

6 (3) *such research remains important to the objec-*
7 *tives of NASA with respect to long-duration deep*
8 *space human exploration to the Moon and Mars.*

9 **(b) PROGRAM CONTINUATION.—**

10 (1) *IN GENERAL.—In support of the goals de-*
11 *scribed in section 20302 of title 51, United States*
12 *Code, the Administrator shall continue to implement*
13 *a collaborative, multidisciplinary life science and*
14 *physical science fundamental research program—*

15 (A) *to build a scientific foundation for the*
16 *exploration and development of space;*

17 (B) *to investigate the mechanisms of*
18 *changes to biological systems and physical sys-*
19 *tems, and the environments of those systems in*
20 *space, including the effects of long-duration expo-*
21 *sure to deep space-related environmental factors*
22 *on those systems;*

23 (C) *to understand the effects of combined*
24 *deep space radiation and altered gravity levels*

1 *on biological systems so as to inform the develop-*
2 *ment and testing of potential countermeasures;*

3 *(D) to understand physical phenomena in*
4 *reduced gravity that affect design and perform-*
5 *ance of enabling technologies necessary for the*
6 *space exploration program;*

7 *(E) to provide scientific opportunities to*
8 *educate, train, and develop the next generation of*
9 *researchers and engineers; and*

10 *(F) to provide state-of-the-art data reposi-*
11 *tories and curation of large multi-data sets to*
12 *enable comparative research analyses.*

13 *(2) ELEMENTS.—The program under paragraph*
14 *(1) shall—*

15 *(A) include fundamental research relating*
16 *to life science, space bioscience, and physical*
17 *science; and*

18 *(B) maximize intra-agency and interagency*
19 *partnerships to advance space exploration, sci-*
20 *entific knowledge, and benefits to Earth.*

21 *(3) USE OF FACILITIES.—In carrying out the*
22 *program under paragraph (1), the Administrator*
23 *may use ground-based, air-based, and space-based fa-*
24 *cilities in low-Earth orbit and beyond low-Earth*
25 *orbit.*

1 **SEC. 2639. SCIENCE MISSIONS TO MARS.**

2 (a) *IN GENERAL.*—*The Administrator shall conduct 1*
3 *or more science missions to Mars to enable the selection of*
4 *1 or more sites for human landing.*

5 (b) *SAMPLE PROGRAM.*—*The Administrator may*
6 *carry out a program—*

7 (1) *to collect samples from the surface of Mars;*
8 *and*

9 (2) *to return such samples to Earth for scientific*
10 *analysis.*

11 (c) *USE OF EXISTING CAPABILITIES AND ASSETS.*—

12 *In carrying out this section, the Administrator shall, to the*
13 *maximum extent practicable, use existing capabilities and*
14 *assets of NASA centers.*

15 **SEC. 2640. PLANETARY DEFENSE COORDINATION OFFICE.**

16 (a) *FINDINGS.*—*Congress makes the following findings:*

17 (1) *Near-Earth objects remain a threat to the*
18 *United States.*

19 (2) *Section 321(d)(1) of the National Aero-*
20 *navitics and Space Administration Authorization Act*
21 *of 2005 (Public Law 109–155; 119 Stat. 2922; 51*
22 *U.S.C. 71101 note prec.) established a requirement*
23 *that the Administrator plan, develop, and implement*
24 *a Near-Earth Object Survey program to detect, track,*
25 *catalogue, and characterize the physical characteris-*
26 *tics of near-Earth objects equal to or greater than 140*

1 *meters in diameter in order to assess the threat of*
2 *such near-Earth objects to the Earth, with the goal of*
3 *90-percent completion of the catalogue of such near-*
4 *Earth objects by December 30, 2020.*

5 *(3) The current planetary defense strategy of*
6 *NASA acknowledges that such goal will not be met.*

7 *(4) The report of the National Academies of*
8 *Sciences, Engineering, and Medicine entitled “Find-*
9 *ing Hazardous Asteroids Using Infrared and Visible*
10 *Wavelength Telescopes” issued in 2019 states that—*

11 *(A) NASA cannot accomplish such goal*
12 *with currently available assets;*

13 *(B) NASA should develop and launch a*
14 *dedicated space-based infrared survey telescope to*
15 *meet the requirements of section 321(d)(1) of the*
16 *National Aeronautics and Space Administration*
17 *Authorization Act of 2005 (Public Law 109–155;*
18 *119 Stat. 2922; 51 U.S.C. 71101 note prec.); and*

19 *(C) the early detection of potentially haz-*
20 *ardous near-Earth objects enabled by a space-*
21 *based infrared survey telescope is important to*
22 *enable deflection of a dangerous asteroid.*

23 *(b) ESTABLISHMENT OF PLANETARY DEFENSE CO-*
24 *ORDINATION OFFICE.—*

1 (1) *IN GENERAL.*—Not later than 90 days after
2 the date of the enactment of this division, the Admin-
3 istrator shall establish an office within the Planetary
4 Science Division of the Science Mission Directorate,
5 to be known as the “Planetary Defense Coordination
6 Office”, to plan, develop, and implement a program
7 to survey threats posed by near-Earth objects equal to
8 or greater than 140 meters in diameter, as required
9 by section 321(d)(1) of the National Aeronautics and
10 Space Administration Authorization Act of 2005
11 (Public Law 109–155; 119 Stat. 2922; 51 U.S.C.
12 71101 note prec.).

13 (2) *ACTIVITIES.*—The Administrator shall—

14 (A) develop and, not later than September
15 30, 2025, launch a space-based infrared survey
16 telescope that is capable of detecting near-Earth
17 objects equal to or greater than 140 meters in di-
18 ameter, with preference given to planetary mis-
19 sions selected by the Administrator as of the date
20 of the enactment of this division to pursue con-
21 cept design studies relating to the development of
22 a space-based infrared survey telescope;

23 (B) identify, track, and characterize poten-
24 tially hazardous near-Earth objects and issue

1 *warnings of the effects of potential impacts of*
2 *such objects; and*

3 *(C) assist in coordinating Government*
4 *planning for response to a potential impact of a*
5 *near-Earth object.*

6 *(c) ANNUAL REPORT.—Section 321(f) of the National*
7 *Aeronautics and Space Administration Authorization Act*
8 *of 2005 (Public Law 109–155; 119 Stat. 2922; 51 U.S.C.*
9 *71101 note prec.) is amended to read as follows:*

10 *“(f) ANNUAL REPORT.—Not later than 180 days after*
11 *the date of the enactment of the National Aeronautics and*
12 *Space Administration Authorization Act of 2021, and an-*
13 *nually thereafter through 90-percent completion of the cata-*
14 *logue required by subsection (d)(1), the Administrator shall*
15 *submit to the Committee on Commerce, Science, and Trans-*
16 *portation of the Senate and the Committee on Science,*
17 *Space, and Technology of the House of Representatives a*
18 *report that includes the following:*

19 *“(1) A summary of all activities carried out by*
20 *the Planetary Defense Coordination Office established*
21 *under section 2640(b)(1) of the National Aeronautics*
22 *and Space Administration Authorization Act of 2021*
23 *since the date of enactment of that Act.*

24 *“(2) A description of the progress with respect to*
25 *the design, development, and launch of the space-*

1 *based infrared survey telescope required by section*
2 *2640 (b)(2)(A) of the National Aeronautics and Space*
3 *Administration Authorization Act of 2021.*

4 “(3) *An assessment of the progress toward meet-*
5 *ing the requirements of subsection (d)(1).*”

6 “(4) *A description of the status of efforts to co-*
7 *ordinate planetary defense activities in response to a*
8 *threat posed by a near-Earth object with other Fed-*
9 *eral agencies since the date of enactment of the Na-*
10 *tional Aeronautics and Space Administration Author-*
11 *ization Act of 2021.*”

12 “(5) *A description of the status of efforts to co-*
13 *ordinate and cooperate with other countries to dis-*
14 *cover hazardous asteroids and comets, plan a mitiga-*
15 *tion strategy, and implement that strategy in the*
16 *event of the discovery of an object on a likely collision*
17 *course with Earth.*”

18 “(6) *A summary of expenditures for all activities*
19 *carried out by the Planetary Defense Coordination*
20 *Office since the date of enactment of the National Aer-*
21 *onautics and Space Administration Authorization*
22 *Act of 2021.*”

23 (d) *LIMITATION ON USE OF FUNDS.—None of the*
24 *amounts authorized to be appropriated by this subtitle for*
25 *a fiscal year may be obligated or expended for the Office*

1 *of the Administrator during the last 3 months of that fiscal*
2 *year unless the Administrator submits the report for that*
3 *fiscal year required by section 321(f) of the National Aero-*
4 *nautics and Space Administration Authorization Act of*
5 *2005 (Public Law 109–155; 119 Stat. 2922; 51 U.S.C.*
6 *71101 note prec.).*

7 *(e) NEAR-EARTH OBJECT DEFINED.—In this section,*
8 *the term “near-Earth object” means an asteroid or comet*
9 *with a perihelion distance of less than 1.3 Astronomical*
10 *Units from the Sun.*

11 **SEC. 2641. SUBORBITAL SCIENCE FLIGHTS.**

12 *(a) SENSE OF CONGRESS.—It is the sense of Congress*
13 *that commercially available suborbital flight platforms en-*
14 *able low-cost access to a microgravity environment to ad-*
15 *vance science and train scientists and engineers under the*
16 *Suborbital Research Program established under section*
17 *802(c) of the National Aeronautics and Space Administra-*
18 *tion Authorization Act of 2010 (42 U.S.C. 18382(c)).*

19 *(b) REPORT.—*

20 *(1) IN GENERAL.—Not later than 270 days after*
21 *the date of the enactment of this division, the Admin-*
22 *istrator shall submit to the appropriate committees of*
23 *Congress a report evaluating the manner in which*
24 *suborbital flight platforms can contribute to meeting*
25 *the science objectives of NASA for the Science Mission*

1 *Directorate and the Human Exploration and Oper-*
2 *ations Mission Directorate.*

3 (2) *CONTENTS.—The report required by para-*
4 *graph (1) shall include the following:*

5 (A) *An assessment of the advantages of sub-*
6 *orbital flight platforms to meet science objectives.*

7 (B) *An evaluation of the challenges to great-*
8 *er use of commercial suborbital flight platforms*
9 *for science purposes.*

10 (C) *An analysis of whether commercial sub-*
11 *orbital flight platforms can provide low-cost*
12 *flight opportunities to test lunar and Mars*
13 *science payloads.*

14 **SEC. 2642. EARTH SCIENCE DATA AND OBSERVATIONS.**

15 (a) *IN GENERAL.—The Administrator shall to the*
16 *maximum extent practicable, make available to the public*
17 *in an easily accessible electronic database all data (includ-*
18 *ing metadata, documentation, models, data processing*
19 *methods, images, and research results) of the missions and*
20 *programs of the Earth Science Division of the Administra-*
21 *tion, or any successor division.*

22 (b) *OPEN DATA PROGRAM.—In carrying out sub-*
23 *section (a), the Administrator shall establish and continue*
24 *to operate an open data program that—*

1 (1) *is consistent with the greatest degree of inter-*
2 *activity, interoperability, and accessibility; and*

3 (2) *enables outside communities, including the*
4 *research and applications community, private indus-*
5 *try, academia, and the general public, to effectively*
6 *collaborate in areas important to—*

7 (A) *studying the Earth system and improv-*
8 *ing the prediction of Earth system change; and*

9 (B) *improving model development, data as-*
10 *similation techniques, systems architecture inte-*
11 *gration, and computational efficiencies; and*

12 (3) *meets basic end-user requirements for run-*
13 *ning on public computers and networks located out-*
14 *side of secure Administration information and tech-*
15 *nology systems.*

16 (c) *HOSTING.—The program under subsection (b) shall*
17 *use, as appropriate and cost-effective, innovative strategies*
18 *and methods for hosting and management of part or all*
19 *of the program, including cloud-based computing capabili-*
20 *ties.*

21 (d) *RULE OF CONSTRUCTION.—Nothing in this section*
22 *shall be interpreted to require the Administrator to release*
23 *classified, proprietary, or otherwise restricted information*
24 *that would be harmful to the national security of the United*
25 *States.*

1 **SEC. 2643. SENSE OF CONGRESS ON SMALL SATELLITE**
2 **SCIENCE.**

3 *It is the sense of Congress that—*

4 *(1) small satellites—*

5 *(A) are increasingly robust, effective, and*
6 *affordable platforms for carrying out space*
7 *science missions;*

8 *(B) can work in tandem with or augment*
9 *larger NASA spacecraft to support high-priority*
10 *science missions of NASA; and*

11 *(C) are cost effective solutions that may*
12 *allow NASA to continue collecting legacy obser-*
13 *vations while developing next-generation science*
14 *missions; and*

15 *(2) NASA should continue to support small sat-*
16 *ellite research, development, technologies, and pro-*
17 *grams, including technologies for compact and light-*
18 *weight instrumentation for small satellites.*

19 **SEC. 2644. SENSE OF CONGRESS ON COMMERCIAL SPACE**
20 **SERVICES.**

21 *It is the sense of Congress that—*

22 *(1) the Administration should explore partner-*
23 *ships with the commercial space industry for space*
24 *science missions in and beyond Earth orbit, including*
25 *partnerships relating to payload and instrument*
26 *hosting and commercially available datasets; and*

1 (2) *such partnerships could result in increased*
2 *mission cadence, technology advancement, and cost*
3 *savings for the Administration.*

4 **SEC. 2645. PROCEDURES FOR IDENTIFYING AND ADDRESS-**
5 **ING ALLEGED VIOLATIONS OF SCIENTIFIC IN-**
6 **TEGRITY POLICY.**

7 *Not later than 180 days after the date of the enactment*
8 *of this division, the Administrator shall develop and docu-*
9 *ment procedures for identifying and addressing alleged vio-*
10 *lations of the scientific integrity policy of NASA.*

11 **PART IV—AERONAUTICS**

12 **SEC. 2646. SHORT TITLE.**

13 *This part may be cited as the “Aeronautics Innovation*
14 *Act”.*

15 **SEC. 2647. DEFINITIONS.**

16 *In this part:*

17 (1) **AERONAUTICS STRATEGIC IMPLEMENTATION**
18 **PLAN.**—*The term “Aeronautics Strategic Implementa-*
19 *tion Plan” means the Aeronautics Strategic Imple-*
20 *mentation Plan issued by the Aeronautics Research*
21 *Mission Directorate.*

22 (2) **UNMANNED AIRCRAFT; UNMANNED AIRCRAFT**
23 **SYSTEM.**—*The terms “unmanned aircraft” and “un-*
24 *manned aircraft system” have the meanings given*

1 *those terms in section 44801 of title 49, United States*
2 *Code.*

3 (3) *X-PLANE.*—*The term “X-plane” means an*
4 *experimental aircraft that is—*

5 (A) *used to test and evaluate a new tech-*
6 *nology or aerodynamic concept; and*

7 (B) *operated by NASA or the Department*
8 *of Defense.*

9 **SEC. 2648. EXPERIMENTAL AIRCRAFT PROJECTS.**

10 (a) *SENSE OF CONGRESS.*—*It is the sense of Congress*
11 *that—*

12 (1) *developing high-risk, precompetitive aero-*
13 *space technologies for which there is not yet a profit*
14 *rationale is a fundamental role of NASA;*

15 (2) *large-scale piloted flight test experimentation*
16 *and validation are necessary for—*

17 (A) *transitioning new technologies and ma-*
18 *terials, including associated manufacturing proc-*
19 *esses, for general aviation, commercial aviation,*
20 *and military aeronautics use; and*

21 (B) *capturing the full extent of benefits*
22 *from investments made by the Aeronautics Re-*
23 *search Mission Directorate in priority programs*
24 *called for in—*

1 (i) *the National Aeronautics Research*
2 *and Development Plan issued by the Na-*
3 *tional Science and Technology Council in*
4 *February 2010;*

5 (ii) *the NASA 2014 Strategic Plan;*

6 (iii) *the Aeronautics Strategic Imple-*
7 *mentation Plan; and*

8 (iv) *any updates to the programs*
9 *called for in the plans described in clauses*
10 *(i) through (iii);*

11 (3) *a level of funding that adequately supports*
12 *large-scale piloted flight test experimentation and val-*
13 *idation, including related infrastructure, should be*
14 *ensured over a sustained period of time to restore the*
15 *capacity of NASA—*

16 (A) *to see legacy priority programs through*
17 *to completion; and*

18 (B) *to achieve national economic and secu-*
19 *rity objectives; and*

20 (4) *NASA should not be directly involved in the*
21 *Type Certification of aircraft for current and future*
22 *scheduled commercial air service under part 121 or*
23 *135 of title 14, Code of Federal Regulations, that*
24 *would result in reductions in crew augmentation or*
25 *single pilot or autonomously operated aircraft.*

1 **(b) STATEMENT OF POLICY.**—*It is the policy of the*
2 *United States—*

3 **(1) to maintain world leadership in—**

4 **(A) military and civilian aeronautical**
5 *science and technology;*

6 **(B) global air power projection; and**

7 **(C) aerospace industrialization; and**

8 **(2) to maintain as a fundamental objective of**
9 *NASA aeronautics research the steady progression*
10 *and expansion of flight research and capabilities, in-*
11 *cluding the science and technology of critical under-*
12 *lying disciplines and competencies, such as—*

13 **(A) computational-based analytical and**
14 *predictive tools and methodologies;*

15 **(B) aerothermodynamics;**

16 **(C) propulsion;**

17 **(D) advanced materials and manufacturing**
18 *processes;*

19 **(E) high-temperature structures and mate-**
20 *rials; and*

21 **(F) guidance, navigation, and flight con-**
22 *trols.*

23 **(c) ESTABLISHMENT AND CONTINUATION OF X-PLANE**
24 *PROJECTS.—*

1 (1) *IN GENERAL.*—*The Administrator shall es-*
2 *tablish or continue to implement, in a manner that*
3 *is consistent with the roadmap for supersonic aero-*
4 *nautics research and development required by section*
5 *604(b) of the National Aeronautics and Space Admin-*
6 *istration Transition Authorization Act of 2017 (Pub-*
7 *lic Law 115–10; 131 Stat. 55), the following projects:*

8 (A) *A low-boom supersonic aircraft project*
9 *to demonstrate supersonic aircraft designs and*
10 *technologies that—*

11 (i) *reduce sonic boom noise; and*

12 (ii) *assist the Administrator of the*
13 *Federal Aviation Administration in ena-*
14 *bling—*

15 (I) *the safe commercial deploy-*
16 *ment of civil supersonic aircraft tech-*
17 *nology; and*

18 (II) *the safe and efficient oper-*
19 *ation of civil supersonic aircraft.*

20 (B) *A subsonic flight demonstrator aircraft*
21 *project to advance high-aspect-ratio, thin-wing*
22 *aircraft designs and to integrate propulsion,*
23 *composites, and other technologies that enable*
24 *significant increases in energy efficiency and re-*

1 *duced life-cycle emissions in the aviation system*
2 *while reducing noise and emissions.*

3 *(C) A series of large-scale X-plane dem-*
4 *onstrators that are—*

5 *(i) developed sequentially or in par-*
6 *allel; and*

7 *(ii) each based on a set of new configu-*
8 *ration concepts or technologies determined*
9 *by the Administrator to demonstrate—*

10 *(I) aircraft and propulsion con-*
11 *cepts and technologies and related ad-*
12 *vances in alternative propulsion and*
13 *energy; and*

14 *(II) flight propulsion concepts*
15 *and technologies.*

16 *(2) ELEMENTS.—For each project under para-*
17 *graph (1), the Administrator shall—*

18 *(A) include the development of X-planes and*
19 *all necessary supporting flight test assets;*

20 *(B) pursue a robust technology maturation*
21 *and flight test validation effort;*

22 *(C) improve necessary facilities, flight test-*
23 *ing capabilities, and computational tools to sup-*
24 *port the project;*

1 (D) award any primary contracts for de-
2 sign, procurement, and manufacturing to United
3 States persons, consistent with international ob-
4 ligations and commitments;

5 (E) coordinate research and flight test dem-
6 onstration activities with other Federal agencies
7 and the United States aviation community, as
8 the Administrator considers appropriate; and

9 (F) ensure that the project is aligned with
10 the Aeronautics Strategic Implementation Plan
11 and any updates to the Aeronautics Strategic
12 Implementation Plan.

13 (3) UNITED STATES PERSON DEFINED.—In this
14 subsection, the term “United States person” means—

15 (A) a United States citizen or an alien law-
16 fully admitted for permanent residence to the
17 United States; or

18 (B) an entity organized under the laws of
19 the United States or of any jurisdiction within
20 the United States, including a foreign branch of
21 such an entity.

22 (d) ADVANCED MATERIALS AND MANUFACTURING
23 TECHNOLOGY PROGRAM.—

1 (1) *IN GENERAL.*—*The Administrator may estab-*
2 *lish an advanced materials and manufacturing tech-*
3 *nology program—*

4 (A) *to develop—*

5 (i) *new materials, including composite*
6 *and high-temperature materials, from base*
7 *material formulation through full-scale*
8 *structural validation and manufacture;*

9 (ii) *advanced materials and manufac-*
10 *turing processes, including additive manu-*
11 *facturing, to reduce the cost of manufac-*
12 *turing scale-up and certification for use in*
13 *general aviation, commercial aviation, and*
14 *military aeronautics; and*

15 (iii) *noninvasive or nondestructive*
16 *techniques for testing or evaluating aviation*
17 *and aeronautics structures, including for*
18 *materials and manufacturing processes;*

19 (B) *to reduce the time it takes to design, in-*
20 *dustrialize, and certify advanced materials and*
21 *manufacturing processes;*

22 (C) *to provide education and training op-*
23 *portunities for the aerospace workforce; and*

24 (D) *to address global cost and human cap-*
25 *ital competitiveness for United States aero-*

1 *nautical industries and technological leadership*
2 *in advanced materials and manufacturing tech-*
3 *nology.*

4 (2) *ELEMENTS.*—*In carrying out a program*
5 *under paragraph (1), the Administrator shall—*

6 (A) *build on work that was carried out by*
7 *the Advanced Composites Project of NASA;*

8 (B) *partner with the private and academic*
9 *sectors, such as members of the Advanced Com-*
10 *posites Consortium of NASA, the Joint Advanced*
11 *Materials and Structures Center of Excellence of*
12 *the Federal Aviation Administration, the Manu-*
13 *facturing USA institutes of the Department of*
14 *Commerce, and national laboratories, as the Ad-*
15 *ministrator considers appropriate;*

16 (C) *provide a structure for managing intel-*
17 *lectual property generated by the program based*
18 *on or consistent with the structure established for*
19 *the Advanced Composites Consortium of NASA;*

20 (D) *ensure adequate Federal cost share for*
21 *applicable research; and*

22 (E) *coordinate with advanced manufac-*
23 *turing and composites initiatives in other mis-*
24 *sion directorates of NASA, as the Administrator*
25 *considers appropriate.*

1 (e) *RESEARCH PARTNERSHIPS.*—*In carrying out the*
2 *projects under subsection (c) and a program under sub-*
3 *section (d), the Administrator may engage in cooperative*
4 *research programs with—*

5 (1) *academia; and*

6 (2) *commercial aviation and aerospace manufac-*
7 *turers.*

8 **SEC. 2649. UNMANNED AIRCRAFT SYSTEMS.**

9 (a) *UNMANNED AIRCRAFT SYSTEMS OPERATION PRO-*
10 *GRAM.*—*The Administrator shall—*

11 (1) *research and test capabilities and concepts,*
12 *including unmanned aircraft systems communica-*
13 *tions, for integrating unmanned aircraft systems into*
14 *the national airspace system;*

15 (2) *leverage the partnership NASA has with in-*
16 *dustry focused on the advancement of technologies for*
17 *future air traffic management systems for unmanned*
18 *aircraft systems; and*

19 (3) *continue to align the research and testing*
20 *portfolio of NASA to inform the integration of un-*
21 *manned aircraft systems into the national airspace*
22 *system, consistent with public safety and national se-*
23 *curity objectives.*

1 (b) *SENSE OF CONGRESS ON COORDINATION WITH*
2 *FEDERAL AVIATION ADMINISTRATION.—It is the sense of*
3 *Congress that—*

4 (1) *NASA should continue—*

5 (A) *to coordinate with the Federal Aviation*
6 *Administration on research on air traffic man-*
7 *agement systems for unmanned aircraft systems;*
8 *and*

9 (B) *to assist the Federal Aviation Adminis-*
10 *tration in the integration of air traffic manage-*
11 *ment systems for unmanned aircraft systems*
12 *into the national airspace system; and*

13 (2) *the test ranges (as defined in section 44801*
14 *of title 49, United States Code) should continue to be*
15 *leveraged for research on—*

16 (A) *air traffic management systems for un-*
17 *manned aircraft systems; and*

18 (B) *the integration of such systems into the*
19 *national airspace system.*

20 **SEC. 2650. 21ST CENTURY AERONAUTICS CAPABILITIES INI-**
21 **TIATIVE.**

22 (a) *IN GENERAL.—The Administrator may establish*
23 *an initiative, to be known as the “21st Century Aeronautics*
24 *Capabilities Initiative”, within the Construction and Envi-*
25 *ronmental Compliance and Restoration Account, to ensure*

1 *that NASA possesses the infrastructure and capabilities nec-*
2 *essary to conduct proposed flight demonstration projects*
3 *across the range of NASA aeronautics interests.*

4 *(b) ACTIVITIES.—In carrying out the 21st Century*
5 *Aeronautics Capabilities Initiative, the Administrator may*
6 *carry out the following activities:*

7 *(1) Any investments the Administrator considers*
8 *necessary to upgrade and create facilities for civil*
9 *and national security aeronautics research to support*
10 *advancements in—*

11 *(A) long-term foundational science and*
12 *technology;*

13 *(B) advanced aircraft systems;*

14 *(C) air traffic management systems;*

15 *(D) fuel efficiency;*

16 *(E) electric propulsion technologies;*

17 *(F) system-wide safety assurance;*

18 *(G) autonomous aviation; and*

19 *(H) supersonic and hypersonic aircraft de-*
20 *sign and development.*

21 *(2) Any measures the Administrator considers*
22 *necessary to support flight testing activities, includ-*
23 *ing—*

24 *(A) continuous refinement and development*
25 *of free-flight test techniques and methodologies;*

1 (B) upgrades and improvements to real-
2 time tracking and data acquisition; and

3 (C) such other measures relating to aero-
4 nautics research support and modernization as
5 the Administrator considers appropriate to carry
6 out the scientific study of the problems of flight,
7 with a view to practical solutions for such prob-
8 lems.

9 **SEC. 2651. SENSE OF CONGRESS ON ON-DEMAND AIR**
10 **TRANSPORTATION.**

11 *It is the sense of Congress that—*

12 (1) greater use of high-speed air transportation,
13 small airports, helipads, vertical flight infrastructure,
14 and other aviation-related infrastructure can alleviate
15 surface transportation congestion and support eco-
16 nomic growth within cities;

17 (2) with respect to urban air mobility and re-
18 lated concepts, NASA should continue—

19 (A) to conduct research focused on concepts,
20 technologies, and design tools; and

21 (B) to support the evaluation of advanced
22 technologies and operational concepts that can be
23 leveraged by—

24 (i) industry to develop future vehicles
25 and systems; and

1 (ii) the Federal Aviation Administra-
2 tion to support vehicle safety and oper-
3 ational certification; and

4 (3) NASA should leverage ongoing efforts to de-
5 velop advanced technologies to actively support the re-
6 search needed for on-demand air transportation.

7 **SEC. 2652. SENSE OF CONGRESS ON HYPERSONIC TECH-**
8 **NOLOGY RESEARCH.**

9 *It is the sense of Congress that—*

10 (1) hypersonic technology is critical to the devel-
11 opment of advanced high-speed aerospace vehicles for
12 both civilian and national security purposes;

13 (2) for hypersonic vehicles to be realized, research
14 is needed to overcome technical challenges, including
15 in propulsion, advanced materials, and flight per-
16 formance in a severe environment;

17 (3) NASA plays a critical role in supporting
18 fundamental hypersonic research focused on system
19 design, analysis and validation, and propulsion tech-
20 nologies;

21 (4) NASA research efforts in hypersonic tech-
22 nology should complement research supported by the
23 Department of Defense to the maximum extent prac-
24 ticable, since contributions from both agencies work-

1 *ing in partnership with universities and industry are*
2 *necessary to overcome key technical challenges;*

3 *(5) previous coordinated research programs be-*
4 *tween NASA and the Department of Defense enabled*
5 *important progress on hypersonic technology;*

6 *(6) the commercial sector could provide flight*
7 *platforms and other capabilities that are able to host*
8 *and support NASA hypersonic technology research*
9 *projects; and*

10 *(7) in carrying out hypersonic technology re-*
11 *search projects, the Administrator should—*

12 *(A) focus research and development efforts*
13 *on high-speed propulsion systems, reusable vehi-*
14 *cle technologies, high-temperature materials, and*
15 *systems analysis;*

16 *(B) coordinate with the Department of De-*
17 *fense to prevent duplication of efforts and of in-*
18 *vestments;*

19 *(C) include partnerships with universities*
20 *and industry to accomplish research goals; and*

21 *(D) maximize public-private use of commer-*
22 *cially available platforms for hosting research*
23 *and development flight projects.*

1 **PART V—SPACE TECHNOLOGY**

2 **SEC. 2653. SPACE TECHNOLOGY MISSION DIRECTORATE.**

3 (a) *SENSE OF CONGRESS.*—*It is the sense of Congress*
4 *that an independent Space Technology Mission Directorate*
5 *is critical to ensuring continued investments in the develop-*
6 *ment of technologies for missions across the portfolio of*
7 *NASA, including science, aeronautics, and human explo-*
8 *ration.*

9 (b) *SPACE TECHNOLOGY MISSION DIRECTORATE.*—
10 *The Administrator shall maintain a Space Technology Mis-*
11 *sion Directorate consistent with section 702 of the National*
12 *Aeronautics and Space Administration Transition Author-*
13 *ization Act of 2017 (51 U.S.C. 20301 note).*

14 **SEC. 2654. FLIGHT OPPORTUNITIES PROGRAM.**

15 (a) *SENSE OF CONGRESS.*—*It is the sense of Congress*
16 *that the Administrator should provide flight opportunities*
17 *for payloads to microgravity environments and suborbital*
18 *altitudes as required by section 907(c) of the National Aero-*
19 *nautics and Space Administration Authorization Act of*
20 *2010 (42 U.S.C. 18405(c)), as amended by subsection (b).*

21 (b) *ESTABLISHMENT.*—*Section 907(c) of the National*
22 *Aeronautics and Space Administration Authorization Act*
23 *of 2010 (42 U.S.C. 18405(c)) is amended to read as follows:*

24 “(c) *ESTABLISHMENT.*—

25 “(1) *IN GENERAL.*—*The Administrator shall es-*
26 *tablish a Commercial Reusable Suborbital Research*

1 *Program within the Space Technology Mission Direc-*
2 *torate to fund—*

3 *“(A) the development of payloads for sci-*
4 *entific research, technology development, and*
5 *education;*

6 *“(B) flight opportunities for those payloads*
7 *to microgravity environments and suborbital al-*
8 *titudes; and*

9 *“(C) transition of those payloads to orbital*
10 *opportunities.*

11 *“(2) COMMERCIAL REUSABLE VEHICLE*
12 *FLIGHTS.—In carrying out the Commercial Reusable*
13 *Suborbital Research Program, the Administrator may*
14 *fund engineering and integration demonstrations,*
15 *proofs of concept, and educational experiments for*
16 *flights of commercial reusable vehicles.*

17 *“(3) COMMERCIAL SUBORBITAL LAUNCH VEHI-*
18 *CLES.—In carrying out the Commercial Reusable*
19 *Suborbital Research Program, the Administrator may*
20 *not fund the development of new commercial sub-*
21 *orbital launch vehicles.*

22 *“(4) WORKING WITH MISSION DIRECTORATES.—*
23 *In carrying out the Commercial Reusable Suborbital*
24 *Research Program, the Administrator shall work with*

1 *the mission directorates of NASA to achieve the re-*
2 *search, technology, and education goals of NASA.”.*

3 (c) *CONFORMING AMENDMENT.*—Section 907(b) of the
4 *National Aeronautics and Space Administration Author-*
5 *ization Act of 2010 (42 U.S.C. 18405(b)) is amended, in*
6 *the first sentence, by striking “Commercial Reusable Sub-*
7 *orbital Research Program in” and inserting “Commercial*
8 *Reusable Suborbital Research Program established under*
9 *subsection (c)(1) within”.*

10 **SEC. 2655. SMALL SPACECRAFT TECHNOLOGY PROGRAM.**

11 (a) *SENSE OF CONGRESS.*—*It is the sense of Congress*
12 *that the Small Spacecraft Technology Program is impor-*
13 *tant for conducting science and technology validation for—*

14 (1) *short- and long-duration missions in low-*
15 *Earth orbit;*

16 (2) *deep space missions; and*

17 (3) *deorbiting capabilities designed specifically*
18 *for smaller spacecraft.*

19 (b) *ACCOMMODATION OF CERTAIN PAYLOADS.*—*In car-*
20 *rying out the Small Spacecraft Technology Program, the*
21 *Administrator shall, as the mission risk posture and tech-*
22 *nology development objectives allow, accommodate science*
23 *payloads that further the goal of long-term human explo-*
24 *ration to the Moon and Mars.*

1 **SEC. 2656. NUCLEAR PROPULSION TECHNOLOGY.**

2 (a) *SENSE OF CONGRESS.*—*It is the sense of Congress*
3 *that nuclear propulsion is critical to the development of ad-*
4 *vanced spacecraft for civilian and national defense pur-*
5 *poses.*

6 (b) *DEVELOPMENT; STUDIES.*—*The Administrator*
7 *shall, in coordination with the Secretary of Energy and the*
8 *Secretary of Defense—*

9 (1) *continue to develop the fuel element design*
10 *for NASA nuclear propulsion technology;*

11 (2) *undertake the systems feasibility studies for*
12 *such technology; and*

13 (3) *partner with members of commercial indus-*
14 *try to conduct studies on such technology.*

15 (c) *NUCLEAR PROPULSION TECHNOLOGY DEMONSTRA-*
16 *TION.*—

17 (1) *DETERMINATION; REPORT.*—*Not later than*
18 *December 31, 2022, the Administrator shall—*

19 (A) *determine the correct approach for con-*
20 *ducting a flight demonstration of nuclear pro-*
21 *pulsion technology; and*

22 (B) *submit to Congress a report on a plan*
23 *for such a demonstration.*

24 (2) *DEMONSTRATION.*—*Not later than December*
25 *31, 2026, the Administrator shall conduct the flight*
26 *demonstration described in paragraph (1).*

1 **SEC. 2657. MARS-FORWARD TECHNOLOGIES.**

2 (a) *SENSE OF CONGRESS.*—*It is the sense of Congress*
3 *that the Administrator should pursue multiple technical*
4 *paths for entry, descent, and landing for Mars, including*
5 *competitively selected technology demonstration missions.*

6 (b) *PRIORITIZATION OF LONG-LEAD TECHNOLOGIES*
7 *AND SYSTEMS.*—*The Administrator shall prioritize, within*
8 *the Space Technology Mission Directorate, research, testing,*
9 *and development of long-lead technologies and systems for*
10 *Mars, including technologies and systems relating to—*

11 (1) *entry, descent, and landing; and*

12 (2) *in-space propulsion, including nuclear pro-*
13 *pulsion, cryogenic fluid management, in-situ large-*
14 *scale additive manufacturing, and electric propulsion*
15 *(including solar electric propulsion leveraging lessons*
16 *learned from the power and propulsion element of the*
17 *lunar outpost) options.*

18 (c) *TECHNOLOGY DEMONSTRATION.*—*The Adminis-*
19 *trator may use low-Earth orbit and cis-lunar missions, in-*
20 *cluding missions to the lunar surface, to demonstrate tech-*
21 *nologies for Mars.*

22 **SEC. 2658. PRIORITIZATION OF LOW-ENRICHED URANIUM**
23 **TECHNOLOGY.**

24 (a) *SENSE OF CONGRESS.*—*It is the sense of Congress*
25 *that—*

1 (1) *space technology, including nuclear propul-*
2 *sion technology and space surface power reactors,*
3 *should be developed in a manner consistent with*
4 *broader United States foreign policy, national de-*
5 *fense, and space exploration and commercialization*
6 *priorities;*

7 (2) *highly enriched uranium presents security*
8 *and nuclear nonproliferation concerns;*

9 (3) *since 1977, based on the concerns associated*
10 *with highly enriched uranium, the United States has*
11 *promoted the use of low-enriched uranium over highly*
12 *enriched uranium in nonmilitary contexts, including*
13 *research and commercial applications;*

14 (4) *as part of United States efforts to limit*
15 *international use of highly enriched uranium, the*
16 *United States has actively pursued—*

17 (A) *since 1978, the conversion of domestic*
18 *and foreign research reactors that use highly en-*
19 *riched uranium fuel to low-enriched uranium*
20 *fuel and the avoidance of any new research reac-*
21 *tors that use highly enriched uranium fuel; and*

22 (B) *since 1994, the elimination of inter-*
23 *national commerce in highly enriched uranium*
24 *for civilian purposes; and*

1 (5) *the use of low-enriched uranium in place of*
2 *highly enriched uranium has security, nonprolifera-*
3 *tion, and economic benefits, including for the na-*
4 *tional space program.*

5 (b) *PRIORITIZATION OF LOW-ENRICHED URANIUM*
6 *TECHNOLOGY.—The Administrator shall—*

7 (1) *establish, within the Space Technology Mis-*
8 *sion Directorate, a program for the research, testing,*
9 *and development of in-space reactor designs, includ-*
10 *ing a surface power reactor, that uses low-enriched*
11 *uranium fuel; and*

12 (2) *prioritize the research, demonstration, and*
13 *deployment of such designs over designs using highly*
14 *enriched uranium fuel.*

15 (c) *REPORT ON NUCLEAR TECHNOLOGY*
16 *PRIORITIZATION.—Not later than 120 days after the date*
17 *of the enactment of this division, the Administrator shall*
18 *submit to the appropriate committees of Congress a report*
19 *that—*

20 (1) *details the actions taken to implement sub-*
21 *section (b); and*

22 (2) *identifies a plan and timeline under which*
23 *such subsection will be implemented.*

24 (d) *DEFINITIONS.—In this section:*

1 *and further research and development by NASA with*
2 *respect to quantum encryption is essential to main-*
3 *taining the security of the United States and United*
4 *States leadership in space; and*

5 *(3) in order to provide NASA with more secure*
6 *and reliable space-based communications, the Space*
7 *Communications and Navigation program office of*
8 *NASA should continue—*

9 *(A) to support research on and development*
10 *of optical communications; and*

11 *(B) to develop quantum encryption capa-*
12 *bilities, especially as those capabilities apply to*
13 *optical communications networks.*

14 **SEC. 2660. LUNAR SURFACE TECHNOLOGIES.**

15 *(a) SENSE OF CONGRESS.—It is the sense of Congress*
16 *that the Administrator should—*

17 *(1) identify and develop the technologies needed*
18 *to live on and explore the lunar surface and prepare*
19 *for future operations on Mars;*

20 *(2) convene teams of experts from academia, in-*
21 *dustry, and government to shape the technology devel-*
22 *opment priorities of the Administration for lunar*
23 *surface exploration and habitation; and*

24 *(3) establish partnerships with researchers, uni-*
25 *versities, and the private sector to rapidly develop*

1 *and deploy technologies required for successful lunar*
2 *surface exploration.*

3 *(b) DEVELOPMENT AND DEMONSTRATION.—The Ad-*
4 *ministrator shall carry out a program, within the Space*
5 *Technology Mission Directorate, to conduct technology de-*
6 *velopment and demonstrations to enable human and robotic*
7 *exploration on the lunar surface.*

8 *(c) RESEARCH CONSORTIUM.—The Administrator*
9 *shall establish a consortium consisting of experts from aca-*
10 *demia, industry, and government—*

11 *(1) to assist the Administrator in developing a*
12 *cohesive, executable strategy for the development and*
13 *deployment of technologies required for successful*
14 *lunar surface exploration; and*

15 *(2) to identify specific technologies relating to*
16 *lunar surface exploration that—*

17 *(A) should be developed to facilitate such ex-*
18 *ploration; or*

19 *(B) require future research and develop-*
20 *ment.*

21 *(d) RESEARCH AWARDS.—*

22 *(1) IN GENERAL.—The Administrator may task*
23 *any member of the research consortium established*
24 *under subsection (c) with conducting research and de-*

1 *velopment with respect to a technology identified*
2 *under paragraph (2) of that subsection.*

3 (2) *STANDARD PROCESS FOR ARRANGEMENTS.—*

4 (A) *IN GENERAL.—The Administrator shall*
5 *develop a standard process by which a consor-*
6 *tium member tasked with research and develop-*
7 *ment under paragraph (1) may enter into a for-*
8 *mal arrangement with the Administrator to*
9 *carry out such research and development, such as*
10 *an arrangement under section 2666 or 2667.*

11 (B) *REPORT.—Not later than 120 days*
12 *after the date of the enactment of this division,*
13 *the Administrator shall submit to the appro-*
14 *priate committees of Congress a report on the*
15 *one or more types of arrangement the Adminis-*
16 *trator intends to enter into under this subsection.*

17 ***PART VI—STEM ENGAGEMENT***

18 ***SEC. 2661. SENSE OF CONGRESS.***

19 *It is the sense of Congress that—*

20 (1) *NASA serves as a source of inspiration to the*
21 *people of the United States; and*

22 (2) *NASA is uniquely positioned to help increase*
23 *student interest in science, technology, engineering,*
24 *and math;*

1 (3) *engaging students, and providing hands-on*
2 *experience at an early age, in science, technology, en-*
3 *gineering, and math are important aspects of ensur-*
4 *ing and promoting United States leadership in inno-*
5 *vation; and*

6 (4) *NASA should strive to leverage its unique po-*
7 *sition—*

8 (A) *to increase kindergarten through grade*
9 *12 involvement in NASA projects;*

10 (B) *to enhance higher education in STEM*
11 *fields in the United States;*

12 (C) *to support individuals who are under-*
13 *represented in science, technology, engineering,*
14 *and math fields, such as women, minorities, and*
15 *individuals in rural areas; and*

16 (D) *to provide flight opportunities for stu-*
17 *dent experiments and investigations.*

18 **SEC. 2662. STEM EDUCATION ENGAGEMENT ACTIVITIES.**

19 (a) *IN GENERAL.—The Administrator shall continue*
20 *to provide opportunities for formal and informal STEM*
21 *education engagement activities within the Office of NASA*
22 *STEM Engagement and other NASA directorates, includ-*
23 *ing—*

24 (1) *the Established Program to Stimulate Com-*
25 *petitive Research;*

1 (2) *the Minority University Research and Edu-*
2 *cation Project; and*

3 (3) *the National Space Grant College and Fel-*
4 *lowship Program.*

5 (b) *LEVERAGING NASA NATIONAL PROGRAMS TO PRO-*
6 *MOTE STEM EDUCATION.*—*The Administrator, in partner-*
7 *ship with museums, nonprofit organizations, and commer-*
8 *cial entities, shall, to the maximum extent practicable, le-*
9 *verage human spaceflight missions, Deep Space Explo-*
10 *ration Systems (including the Space Launch System,*
11 *Orion, and Exploration Ground Systems), and NASA*
12 *science programs to engage students at the kindergarten*
13 *through grade 12 and higher education levels to pursue*
14 *learning and career opportunities in STEM fields.*

15 (c) *BRIEFING.*—*Not later than 1 year after the date*
16 *of the enactment of this division, the Administrator shall*
17 *brief the appropriate committees of Congress on—*

18 (1) *the status of the programs described in sub-*
19 *section (a); and*

20 (2) *the manner by which each NASA STEM edu-*
21 *cation engagement activity is organized and funded.*

22 (d) *STEM EDUCATION DEFINED.*—*In this section, the*
23 *term “STEM education” has the meaning given the term*
24 *in section 2 of the STEM Education Act of 2015 (Public*
25 *Law 114–59; 42 U.S.C. 6621 note).*

1 **SEC. 2663. SKILLED TECHNICAL EDUCATION OUTREACH**
2 **PROGRAM.**

3 (a) *ESTABLISHMENT.*—*The Administrator shall estab-*
4 *lish a program to conduct outreach to secondary school stu-*
5 *dents—*

6 (1) *to expose students to careers that require ca-*
7 *reer and technical education; and*

8 (2) *to encourage students to pursue careers that*
9 *require career and technical education.*

10 (b) *OUTREACH PLAN.*—*Not later than 180 days after*
11 *the date of the enactment of this division, the Administrator*
12 *shall submit to the appropriate committees of Congress a*
13 *report on the outreach program under subsection (a) that*
14 *includes—*

15 (1) *an implementation plan;*

16 (2) *a description of the resources needed to carry*
17 *out the program; and*

18 (3) *any recommendations on expanding outreach*
19 *to secondary school students interested in skilled tech-*
20 *nical occupations.*

21 (c) *SYSTEMS OBSERVATION.*—

22 (1) *IN GENERAL.*—*The Administrator shall de-*
23 *velop a program and associated policies to allow stu-*
24 *dents from accredited educational institutions to view*
25 *the manufacturing, assembly, and testing of NASA-*

1 *funded space and aeronautical systems, as the Ad-*
2 *ministrator considers appropriate.*

3 (2) *CONSIDERATIONS.*—*In developing the pro-*
4 *gram and policies under paragraph (1), the Adminis-*
5 *trator shall take into consideration factors such as*
6 *workplace safety, mission needs, and the protection of*
7 *sensitive and proprietary technologies.*

8 **SEC. 2664. NATIONAL SPACE GRANT COLLEGE AND FELLOW-**
9 **SHIP PROGRAM.**

10 (a) *PURPOSES.*—*Section 40301 of title 51, United*
11 *States Code, is amended—*

12 (1) *in paragraph (3)—*

13 (A) *in subparagraph (B), by striking “and”*
14 *at the end;*

15 (B) *in subparagraph (C), by adding “and”*
16 *after the semicolon at the end; and*

17 (C) *by adding at the end the following:*

18 “(D) *promote equally the State and re-*
19 *gional STEM interests of each space grant con-*
20 *sortium;”;* *and*

21 (2) *in paragraph (4), by striking “made up of*
22 *university and industry members, in order to ad-*
23 *vance” and inserting “comprised of members of uni-*
24 *versities in each State and other entities, such as 2-*

1 *year colleges, industries, science learning centers, mu-*
2 *seums, and government entities, to advance”.*

3 (b) *DEFINITIONS.—Section 40302 of title 51, United*
4 *States Code, is amended—*

5 (1) *by striking paragraph (3);*

6 (2) *by inserting after paragraph (2) the fol-*
7 *lowing:*

8 “(3) *LEAD INSTITUTION.—The term ‘lead insti-*
9 *tution’ means an entity in a State that—*

10 “(A) *was designated by the Administrator*
11 *under section 40306, as in effect on the day be-*
12 *fore the date of the enactment of the National*
13 *Aeronautics and Space Administration Author-*
14 *ization Act of 2021; or*

15 “(B) *is designated by the Administrator*
16 *under section 40303(d)(3).”;*

17 (3) *in paragraph (4), by striking “space grant*
18 *college, space grant regional consortium, institution of*
19 *higher education,” and inserting “lead institution,*
20 *space grant consortium,”;*

21 (4) *by striking paragraphs (6), (7), and (8);*

22 (5) *by inserting after paragraph (5) the fol-*
23 *lowing:*

24 “(6) *SPACE GRANT CONSORTIUM.—The term*
25 *‘space grant consortium’ means a State-wide group,*

1 *led by a lead institution, that has established partner-*
2 *ships with other academic institutions, industries,*
3 *science learning centers, museums, and government*
4 *entities to promote a strong educational base in the*
5 *space and aeronautical sciences.”;*

6 *(6) by redesignating paragraph (9) as para-*
7 *graph (7);*

8 *(7) in paragraph (7)(B), as so redesignated, by*
9 *inserting “and aeronautics” after “space”;*

10 *(8) by striking paragraph (10); and*

11 *(9) by adding at the end the following:*

12 *“(8) STEM.—The term ‘STEM’ means science,*
13 *technology, engineering, and mathematics.”.*

14 *(c) PROGRAM OBJECTIVE.—Section 40303 of title 51,*
15 *United States Code, is amended—*

16 *(1) by striking subsections (d) and (e);*

17 *(2) by redesignating subsection (c) as subsection*
18 *(e); and*

19 *(3) by striking subsection (b) and inserting the*
20 *following:*

21 *“(b) PROGRAM OBJECTIVE.—*

22 *“(1) IN GENERAL.—The Administrator shall*
23 *carry out the national space grant college and fellow-*
24 *ship program with the objective of providing hands-*
25 *on research, training, and education programs with*

1 *measurable outcomes in each State, including pro-*
2 *grams to provide—*

3 *“(A) internships, fellowships, and scholar-*
4 *ships;*

5 *“(B) interdisciplinary hands-on mission*
6 *programs and design projects;*

7 *“(C) student internships with industry or*
8 *university researchers or at centers of the Ad-*
9 *ministration;*

10 *“(D) faculty and curriculum development*
11 *initiatives;*

12 *“(E) university-based research initiatives*
13 *relating to the Administration and the STEM*
14 *workforce needs of each State; or*

15 *“(F) STEM engagement programs for kin-*
16 *dergarten through grade 12 teachers and stu-*
17 *dents.*

18 *“(2) PROGRAM PRIORITIES.—In carrying out the*
19 *objective described in paragraph (1), the Adminis-*
20 *trator shall ensure that each program carried out by*
21 *a space grant consortium under the national space*
22 *grant college and fellowship program balances the fol-*
23 *lowing priorities:*

1 “(A) *The space and aeronautics research*
2 *needs of the Administration, including the mis-*
3 *sion directorates.*

4 “(B) *The need to develop a national STEM*
5 *workforce.*

6 “(C) *The STEM workforce needs of the*
7 *State.*

8 “(c) *PROGRAM ADMINISTERED THROUGH SPACE*
9 *GRANT CONSORTIA.—The Administrator shall carry out the*
10 *national space grant college and fellowship program*
11 *through the space grant consortia.*

12 “(d) *SUSPENSION; TERMINATION; NEW COMPETI-*
13 *TION.—*

14 “(1) *SUSPENSION.—The Administrator may, for*
15 *cause and after an opportunity for hearing, suspend*
16 *a lead institution that was designated by the Admin-*
17 *istrator under section 40306, as in effect on the day*
18 *before the date of the enactment of the National Aero-*
19 *navitics and Space Administration Authorization Act*
20 *of 2021.*

21 “(2) *TERMINATION.—If the issue resulting in a*
22 *suspension under paragraph (1) is not resolved with-*
23 *in a period determined by the Administrator, the Ad-*
24 *ministrator may terminate the designation of the en-*
25 *tity as a lead institution.*

1 “(3) *NEW COMPETITION.*—*If the Administrator*
2 *terminates the designation of an entity as a lead in-*
3 *stitution, the Administrator may initiate a new com-*
4 *petition in the applicable State for the designation of*
5 *a lead institution.”.*

6 (d) *GRANTS.*—*Section 40304 of title 51, United States*
7 *Code, is amended to read as follows:*

8 **“§ 40304. Grants**

9 “(a) *ELIGIBLE SPACE GRANT CONSORTIUM DE-*
10 *FINED.*—*In this section, the term ‘eligible space grant con-*
11 *sortium’ means a space grant consortium that the Adminis-*
12 *trator has determined—*

13 “(1) *has the capability and objective to carry out*
14 *not fewer than 3 of the 6 programs under section*
15 *40303(b)(1);*

16 “(2) *will carry out programs that balance the*
17 *priorities described in section 40303(b)(2); and*

18 “(3) *is engaged in research, training, and edu-*
19 *cation relating to space and aeronautics.*

20 “(b) *GRANTS.*—

21 “(1) *IN GENERAL.*—*The Administrator shall*
22 *award grants to the lead institutions of eligible space*
23 *grant consortia to carry out the programs under sec-*
24 *tion 40303(b)(1).*

25 “(2) *REQUEST FOR PROPOSALS.*—

1 “(A) *IN GENERAL.*—*On the expiration of*
2 *existing cooperative agreements between the Ad-*
3 *ministration and the space grant consortia, the*
4 *Administrator shall issue a request for proposals*
5 *from space grant consortia for the award of*
6 *grants under this section.*

7 “(B) *APPLICATIONS.*—*A lead institution of*
8 *a space grant consortium that seeks a grant*
9 *under this section shall submit, on behalf of such*
10 *space grant consortium, an application to the*
11 *Administrator at such time, in such manner,*
12 *and accompanied by such information as the Ad-*
13 *ministrator may require.*

14 “(3) *GRANT AWARDS.*—*The Administrator shall*
15 *award 1 or more 5-year grants, disbursed in annual*
16 *installments, to the lead institution of the eligible*
17 *space grant consortium of—*

18 “(A) *each State;*

19 “(B) *the District of Columbia; and*

20 “(C) *the Commonwealth of Puerto Rico.*

21 “(4) *USE OF FUNDS.*—*A grant awarded under*
22 *this section shall be used by an eligible space grant*
23 *consortium to carry out not fewer than 3 of the 6 pro-*
24 *grams under section 40303(b)(1).*

25 “(c) *ALLOCATION OF FUNDING.*—

1 “(1) *PROGRAM IMPLEMENTATION.*—

2 “(A) *IN GENERAL.*—*To carry out the objec-*
3 *tive described in section 40303(b)(1), of the funds*
4 *made available each fiscal year for the national*
5 *space grant college and fellowship program, the*
6 *Administrator shall allocate not less than 85 per-*
7 *cent as follows:*

8 “(i) *The 52 eligible space grant con-*
9 *sortia shall each receive an equal share.*

10 “(ii) *The territories of Guam and the*
11 *United States Virgin Islands shall each re-*
12 *ceive funds equal to approximately $\frac{1}{5}$ of the*
13 *share for each eligible space grant consortia.*

14 “(B) *MATCHING REQUIREMENT.*—*Each eli-*
15 *gible space grant consortium shall match the*
16 *funds allocated under subparagraph (A)(i) on a*
17 *basis of not less than 1 non-Federal dollar for*
18 *every 1 Federal dollar, except that any program*
19 *funded under paragraph (3) or any program to*
20 *carry out 1 or more internships or fellowships*
21 *shall not be subject to that matching require-*
22 *ment.*

23 “(2) *PROGRAM ADMINISTRATION.*—

24 “(A) *IN GENERAL.*—*Of the funds made*
25 *available each fiscal year for the national space*

1 *grant college and fellowship program, the Ad-*
2 *ministrator shall allocate not more than 10 per-*
3 *cent for the administration of the program.*

4 “(B) *COSTS COVERED.*—*The funds allocated*
5 *under subparagraph (A) shall cover all costs of*
6 *the Administration associated with the adminis-*
7 *tration of the national space grant college and*
8 *fellowship program, including—*

9 “(i) *direct costs of the program, includ-*
10 *ing costs relating to support services and*
11 *civil service salaries and benefits;*

12 “(ii) *indirect general and administra-*
13 *tive costs of centers and facilities of the Ad-*
14 *ministration; and*

15 “(iii) *indirect general and administra-*
16 *tive costs of the Administration head-*
17 *quarters.*

18 “(3) *SPECIAL PROGRAMS.*—*Of the funds made*
19 *available each fiscal year for the national space grant*
20 *college and fellowship program, the Administrator*
21 *shall allocate not more than 5 percent to the lead in-*
22 *stitutions of space grant consortia established as of*
23 *the date of the enactment of the National Aeronautics*
24 *and Space Administration Authorization Act of 2021*
25 *for grants to carry out innovative approaches and*

1 *programs to further science and education relating to*
2 *the missions of the Administration and STEM dis-*
3 *ciplines.*

4 *“(d) TERMS AND CONDITIONS.—*

5 *“(1) LIMITATIONS.—Amounts made available*
6 *through a grant under this section may not be ap-*
7 *plied to—*

8 *“(A) the purchase of land;*

9 *“(B) the purchase, construction, preserva-*
10 *tion, or repair of a building; or*

11 *“(C) the purchase or construction of a*
12 *launch facility or launch vehicle.*

13 *“(2) LEASES.—Notwithstanding paragraph (1),*
14 *land, buildings, launch facilities, and launch vehicles*
15 *may be leased under a grant on written approval by*
16 *the Administrator.*

17 *“(3) RECORDS.—*

18 *“(A) IN GENERAL.—Any person that re-*
19 *ceives or uses the proceeds of a grant under this*
20 *section shall keep such records as the Adminis-*
21 *trator shall by regulation prescribe as being nec-*
22 *essary and appropriate to facilitate effective*
23 *audit and evaluation, including records that*
24 *fully disclose the amount and disposition by a*
25 *recipient of such proceeds, the total cost of the*

1 *program or project in connection with which*
2 *such proceeds were used, and the amount, if any,*
3 *of such cost that was provided through other*
4 *sources.*

5 “(B) *MAINTENANCE OF RECORDS.*—*Records*
6 *under subparagraph (A) shall be maintained for*
7 *not less than 3 years after the date of completion*
8 *of such a program or project.*

9 “(C) *ACCESS.*—*For the purpose of audit*
10 *and evaluation, the Administrator and the*
11 *Comptroller General of the United States shall*
12 *have access to any books, documents, papers, and*
13 *records of receipts relating to a grant under this*
14 *section, as determined by the Administrator or*
15 *Comptroller General.”.*

16 (e) *PROGRAM STREAMLINING.*—*Title 51, United States*
17 *Code, is amended—*

18 (1) *by striking sections 40305 through 40308,*
19 *40310, and 40311; and*

20 (2) *by redesignating section 40309 as section*
21 *40305.*

22 (f) *CONFORMING AMENDMENT.*—*The table of sections*
23 *at the beginning of chapter 403 of title 51, United States*
24 *Code, is amended by striking the items relating to sections*
25 *40304 through 40311 and inserting the following:*

“40304. Grants.

“40305. Availability of other Federal personnel and data.”.

1 **PART VII—WORKFORCE AND INDUSTRIAL BASE**

2 **SEC. 2665. APPOINTMENT AND COMPENSATION PILOT PRO-**

3 **GRAM.**

4 (a) *DEFINITION OF COVERED PROVISIONS.—In this*
 5 *section, the term “covered provisions” means the provisions*
 6 *of title 5, United States Code, other than—*

7 (1) *section 2301 of that title;*

8 (2) *section 2302 of that title;*

9 (3) *chapter 71 of that title;*

10 (4) *section 7204 of that title; and*

11 (5) *chapter 73 of that title.*

12 (b) *ESTABLISHMENT.—There is established a 3-year*
 13 *pilot program under which, notwithstanding section 20113*
 14 *of title 51, United States Code, the Administrator may,*
 15 *with respect to not more than 3,000 designated personnel—*

16 (1) *appoint and manage such designated per-*
 17 *sonnel of the Administration, without regard to the*
 18 *covered provisions; and*

19 (2) *fix the compensation of such designated per-*
 20 *sonnel of the Administration, without regard to chap-*
 21 *ter 51 and subchapter III of chapter 53 of title 5,*
 22 *United States Code, at a rate that does not exceed the*
 23 *per annum rate of salary of the Vice President of the*

1 *United States under section 104 of title 3, United*
2 *States Code.*

3 (c) *ADMINISTRATOR RESPONSIBILITIES.—In carrying*
4 *out the pilot program established under subsection (b), the*
5 *Administrator shall ensure that the pilot program—*

6 (1) *uses—*

7 (A) *state-of-the-art recruitment techniques;*

8 (B) *simplified classification methods with*
9 *respect to personnel of the Administration; and*

10 (C) *broad banding; and*

11 (2) *offers—*

12 (A) *competitive compensation; and*

13 (B) *the opportunity for career mobility.*

14 **SEC. 2666. ESTABLISHMENT OF MULTI-INSTITUTION CON-**
15 **SORTIA.**

16 (a) *IN GENERAL.—The Administrator, pursuant to*
17 *section 2304(c)(3)(B) of title 10, United States Code,*
18 *may—*

19 (1) *establish one or more multi-institution con-*
20 *sortia to facilitate access to essential engineering, re-*
21 *search, and development capabilities in support of*
22 *NASA missions;*

23 (2) *use such a consortium to fund technical anal-*
24 *yses and other engineering support to address the ac-*

1 *quisition, technical, and operational needs of NASA*
2 *centers; and*

3 (3) *ensure such a consortium—*

4 (A) *is held accountable for the technical*
5 *quality of the work product developed under this*
6 *section; and*

7 (B) *convenes disparate groups to facilitate*
8 *public-private partnerships.*

9 (b) *POLICIES AND PROCEDURES.—The Administrator*
10 *shall develop and implement policies and procedures to gov-*
11 *ern, with respect to the establishment of a consortium under*
12 *subsection (a)—*

13 (1) *the selection of participants;*

14 (2) *the award of cooperative agreements or other*
15 *contracts;*

16 (3) *the appropriate use of competitive awards*
17 *and sole source awards; and*

18 (4) *technical capabilities required.*

19 (c) *ELIGIBILITY.—The following entities shall be eligi-*
20 *ble to participate in a consortium established under sub-*
21 *section (a):*

22 (1) *An institution of higher education (as de-*
23 *finied in section 102 of the Higher Education Act of*
24 *1965 (20 U.S.C. 1002)).*

1 (2) *An operator of a federally funded research*
2 *and development center.*

3 (3) *A nonprofit or not-for-profit research institu-*
4 *tion.*

5 (4) *A consortium composed of—*

6 (A) *an entity described in paragraph (1),*

7 (2), *or (3); and*

8 (B) *one or more for-profit entities.*

9 **SEC. 2667. EXPEDITED ACCESS TO TECHNICAL TALENT AND**
10 **EXPERTISE.**

11 (a) *IN GENERAL.—The Administrator may—*

12 (1) *establish one or more multi-institution task*
13 *order contracts, consortia, cooperative agreements, or*
14 *other arrangements to facilitate expedited access to el-*
15 *igible entities in support of NASA missions; and*

16 (2) *use such a multi-institution task order con-*
17 *tract, consortium, cooperative agreement, or other ar-*
18 *rangement to fund technical analyses and other engi-*
19 *neering support to address the acquisition, technical,*
20 *and operational needs of NASA centers.*

21 (b) *CONSULTATION WITH OTHER NASA-AFFILIATED*
22 *ENTITIES.—To ensure access to technical expertise and re-*
23 *duce costs and duplicative efforts, a multi-institution task*
24 *order contract, consortium, cooperative agreement, or any*
25 *other arrangement established under subsection (a)(1) shall,*

1 *to the maximum extent practicable, be carried out in con-*
2 *sultation with other NASA-affiliated entities, including fed-*
3 *erally funded research and development centers, university-*
4 *affiliated research centers, and NASA laboratories and test*
5 *centers.*

6 (c) *POLICIES AND PROCEDURES.*—*The Administrator*
7 *shall develop and implement policies and procedures to gov-*
8 *ern, with respect to the establishment of a multi-institution*
9 *task order contract, consortium, cooperative agreement, or*
10 *any other arrangement under subsection (a)(1)—*

11 (1) *the selection of participants;*

12 (2) *the award of task orders;*

13 (3) *the maximum award size for a task;*

14 (4) *the appropriate use of competitive awards*
15 *and sole source awards; and*

16 (5) *technical capabilities required.*

17 (d) *ELIGIBLE ENTITY DEFINED.*—*In this section, the*
18 *term “eligible entity” means—*

19 (1) *an institution of higher education (as defined*
20 *in section 102 of the Higher Education Act of 1965*
21 *(20 U.S.C. 1002));*

22 (2) *an operator of a federally funded research*
23 *and development center;*

24 (3) *a nonprofit or not-for-profit research institu-*
25 *tion; and*

1 (4) a consortium composed of—

2 (A) an entity described in paragraph (1),

3 (2), or (3); and

4 (B) one or more for-profit entities.

5 **SEC. 2668. REPORT ON INDUSTRIAL BASE FOR CIVIL SPACE**
6 **MISSIONS AND OPERATIONS.**

7 (a) *IN GENERAL.*—Not later than 1 year after the date
8 of the enactment of this division, and from time to time
9 thereafter, the Administrator shall submit to the appro-
10 priate committees of Congress a report on the United States
11 industrial base for NASA civil space missions and oper-
12 ations.

13 (b) *ELEMENTS.*—The report required by subsection (a)
14 shall include the following:

15 (1) A comprehensive description of the current
16 status of the United States industrial base for NASA
17 civil space missions and operations.

18 (2) A description and assessment of the weak-
19 nesses in the supply chain, skills, manufacturing ca-
20 pacity, raw materials, key components, and other
21 areas of the United States industrial base for NASA
22 civil space missions and operations that could ad-
23 versely impact such missions and operations if un-
24 available.

1 (3) *A description and assessment of various*
2 *mechanisms to address and mitigate the weaknesses*
3 *described pursuant to paragraph (2).*

4 (4) *A comprehensive list of the collaborative ef-*
5 *forts, including future and proposed collaborative ef-*
6 *forts, between NASA and the Manufacturing USA in-*
7 *stitutes of the Department of Commerce.*

8 (5) *An assessment of—*

9 (A) *the defense and aerospace manufac-*
10 *turing supply chains relevant to NASA in each*
11 *region of the United States; and*

12 (B) *the feasibility and benefits of estab-*
13 *lishing a supply chain center of excellence in a*
14 *State in which NASA does not, as of the date of*
15 *the enactment of this division, have a research*
16 *center or test facility.*

17 (6) *Such other matters relating to the United*
18 *States industrial base for NASA civil space missions*
19 *and operations as the Administrator considers appro-*
20 *priate.*

21 **SEC. 2669. SEPARATIONS AND RETIREMENT INCENTIVES.**

22 *Section 20113 of title 51, United States Code, is*
23 *amended by adding at the end the following:*

24 “(o) *PROVISIONS RELATED TO SEPARATION AND RE-*
25 *TIREMENT INCENTIVES.—*

1 “(1) *DEFINITION.*—*In this subsection, the term*
2 ‘employee’—

3 “(A) *means an employee of the Administra-*
4 *tion serving under an appointment without time*
5 *limitation; and*

6 “(B) *does not include—*

7 “(i) *a reemployed annuitant under*
8 *subchapter III of chapter 83 or chapter 84*
9 *of title 5 or any other retirement system for*
10 *employees of the Federal Government;*

11 “(ii) *an employee having a disability*
12 *on the basis of which such employee is or*
13 *would be eligible for disability retirement*
14 *under any of the retirement systems referred*
15 *to in clause (i); or*

16 “(iii) *for purposes of eligibility for sep-*
17 *aration incentives under this subsection, an*
18 *employee who is in receipt of a decision no-*
19 *tice of involuntary separation for mis-*
20 *conduct or unacceptable performance.*

21 “(2) *AUTHORITY.*—*The Administrator may es-*
22 *tablish a program under which employees may be eli-*
23 *gible for early retirement, offered separation incentive*
24 *pay to separate from service voluntarily, or both. This*
25 *authority may be used to reduce the number of per-*

1 *sonnel employed or to restructure the workforce to*
2 *meet mission objectives without reducing the overall*
3 *number of personnel. This authority is in addition to,*
4 *and notwithstanding, any other authorities estab-*
5 *lished by law or regulation for such programs.*

6 *“(3) EARLY RETIREMENT.—An employee who is*
7 *at least 50 years of age and has completed 20 years*
8 *of service, or has at least 25 years of service, may,*
9 *pursuant to regulations promulgated under this sub-*
10 *section, apply and be retired from the Administration*
11 *and receive benefits in accordance with subchapter III*
12 *of chapter 83 or 84 of title 5 if the employee has been*
13 *employed continuously within the Administration for*
14 *more than 30 days before the date on which the deter-*
15 *mination to conduct a reduction or restructuring*
16 *within 1 or more Administration centers is approved.*

17 *“(4) SEPARATION PAY.—*

18 *“(A) IN GENERAL.—Separation pay shall be*
19 *paid in a lump sum or in installments and shall*
20 *be equal to the lesser of—*

21 *“(i) an amount equal to the amount*
22 *the employee would be entitled to receive*
23 *under section 5595(c) of title 5, if the em-*
24 *ployee were entitled to payment under such*
25 *section; or*

1 “(ii) \$40,000.

2 “(B) *LIMITATIONS.*—*Separation pay shall*
3 *not be a basis for payment, and shall not be in-*
4 *cluded in the computation, of any other type of*
5 *Government benefit. Separation pay shall not be*
6 *taken into account for the purpose of deter-*
7 *mining the amount of any severance pay to*
8 *which an individual may be entitled under sec-*
9 *tion 5595 of title 5, based on any other separa-*
10 *tion.*

11 “(C) *INSTALLMENTS.*—*Separation pay, if*
12 *paid in installments, shall cease to be paid upon*
13 *the recipient’s acceptance of employment by the*
14 *Federal Government, or commencement of work*
15 *under a personal services contract as described*
16 *in paragraph (5).*

17 “(5) *LIMITATIONS ON REEMPLOYMENT.*—

18 “(A) *An employee who receives separation*
19 *pay under such program may not be reemployed*
20 *by the Administration for a 12-month period be-*
21 *ginning on the effective date of the employee’s*
22 *separation, unless this prohibition is waived by*
23 *the Administrator on a case-by-case basis.*

24 “(B) *An employee who receives separation*
25 *pay under this section on the basis of a separa-*

1 *tion and accepts employment with the Govern-*
2 *ment of the United States, or who commences*
3 *work through a personal services contract with*
4 *the United States within 5 years after the date*
5 *of the separation on which payment of the sepa-*
6 *ration pay is based, shall be required to repay*
7 *the entire amount of the separation pay to the*
8 *Administration. If the employment is with an*
9 *Executive agency (as defined by section 105 of*
10 *title 5) other than the Administration, the Ad-*
11 *ministrator may, at the request of the head of*
12 *that agency, waive the repayment if the indi-*
13 *vidual involved possesses unique abilities and is*
14 *the only qualified applicant available for the po-*
15 *sition. If the employment is within the Adminis-*
16 *tration, the Administrator may waive the repay-*
17 *ment if the individual involved is the only quali-*
18 *fied applicant available for the position. If the*
19 *employment is with an entity in the legislative*
20 *branch, the head of the entity or the appointing*
21 *official may waive the repayment if the indi-*
22 *vidual involved possesses unique abilities and is*
23 *the only qualified applicant available for the po-*
24 *sition. If the employment is with the judicial*
25 *branch, the Director of the Administrative Office*

1 *be subject to discovery or admitted into evidence in a*
2 *judicial or administrative proceeding; and*

3 “(2) *an individual who reviews or creates a med-*
4 *ical quality assurance record for the Administration,*
5 *or participates in any proceeding that reviews or cre-*
6 *ates a medical quality assurance record, may not tes-*
7 *tify in a judicial or administrative proceeding with*
8 *respect to—*

9 “(A) *the medical quality assurance record;*

10 *or*

11 “(B) *any finding, recommendation, evalua-*
12 *tion, opinion, or action taken by such individual*
13 *or in accordance with such proceeding with re-*
14 *spect to the medical quality assurance record.*

15 “(b) *DISCLOSURE OF RECORDS.—*

16 “(1) *IN GENERAL.—Notwithstanding subsection*
17 *(a), a medical quality assurance record may be dis-*
18 *closed to—*

19 “(A) *a Federal agency or private entity, if*
20 *the medical quality assurance record is necessary*
21 *for the Federal agency or private entity to carry*
22 *out—*

23 “(i) *licensing or accreditation func-*
24 *tions relating to Administration healthcare*
25 *facilities; or*

1 “(i) monitoring of Administration
2 healthcare facilities required by law;

3 “(B) a Federal agency or healthcare pro-
4 vider, if the medical quality assurance record is
5 required by the Federal agency or healthcare
6 provider to enable Administration participation
7 in a healthcare program of the Federal agency or
8 healthcare provider;

9 “(C) a criminal or civil law enforcement
10 agency, or an instrumentality authorized by law
11 to protect the public health or safety, on written
12 request by a qualified representative of such
13 agency or instrumentality submitted to the Ad-
14 ministrator that includes a description of the
15 lawful purpose for which the medical quality as-
16 surance record is requested;

17 “(D) an officer, an employee, or a con-
18 tractor of the Administration who requires the
19 medical quality assurance record to carry out an
20 official duty associated with healthcare;

21 “(E) healthcare personnel, to the extent nec-
22 essary to address a medical emergency affecting
23 the health or safety of an individual; and

24 “(F) any committee, panel, or board con-
25 vened by the Administration to review the

1 *healthcare-related policies and practices of the*
2 *Administration.*

3 “(2) *SUBSEQUENT DISCLOSURE PROHIBITED.*—
4 *An individual or entity to whom a medical quality*
5 *assurance record has been disclosed under paragraph*
6 *(1) may not make a subsequent disclosure of the med-*
7 *ical quality assurance record.*

8 “(c) *PERSONALLY IDENTIFIABLE INFORMATION.*—

9 “(1) *IN GENERAL.*—*Except as provided in para-*
10 *graph (2), the personally identifiable information*
11 *contained in a medical quality assurance record of a*
12 *patient or an employee of the Administration, or any*
13 *other individual associated with the Administration*
14 *for purposes of a medical quality assurance program,*
15 *shall be removed before the disclosure of the medical*
16 *quality assurance record to an entity other than the*
17 *Administration.*

18 “(2) *EXCEPTION.*—*Personally identifiable infor-*
19 *mation described in paragraph (1) may be released to*
20 *an entity other than the Administration if the Ad-*
21 *ministrator makes a determination that the release of*
22 *such personally identifiable information—*

23 “(A) *is in the best interests of the Adminis-*
24 *tration; and*

1 “(B) does not constitute an unwarranted
2 invasion of personal privacy.

3 “(d) *EXCLUSION FROM FOIA.*—A medical quality as-
4 surance record may not be made available to any person
5 under section 552 of title 5, United States Code (commonly
6 referred to as the ‘Freedom of Information Act’), and this
7 section shall be considered a statute described in subsection
8 (b)(3)(B) of such section 522.

9 “(e) *REGULATIONS.*—Not later than one year after the
10 date of the enactment of this section, the Administrator
11 shall promulgate regulations to implement this section.

12 “(f) *RULES OF CONSTRUCTION.*—Nothing in this sec-
13 tion shall be construed—

14 “(1) to withhold a medical quality assurance
15 record from a committee of the Senate or House of
16 Representatives or a joint committee of Congress if
17 the medical quality assurance record relates to a mat-
18 ter within the jurisdiction of such committee or joint
19 committee; or

20 “(2) to limit the use of a medical quality assur-
21 ance record within the Administration, including the
22 use by a contractor or consultant of the Administra-
23 tion.

24 “(g) *DEFINITIONS.*—In this section:

1 “(1) *MEDICAL QUALITY ASSURANCE RECORD.*—
2 *The term ‘medical quality assurance record’ means*
3 *any proceeding, discussion, record, finding, rec-*
4 *ommendation, evaluation, opinion, minutes, report,*
5 *or other document or action that results from a qual-*
6 *ity assurance committee, quality assurance program,*
7 *or quality assurance program activity.*

8 “(2) *QUALITY ASSURANCE PROGRAM.*—

9 “(A) *IN GENERAL.*—*The term ‘quality as-*
10 *surance program’ means a comprehensive pro-*
11 *gram of the Administration—*

12 “(i) *to systematically review and im-*
13 *prove the quality of medical and behavioral*
14 *health services provided by the Administra-*
15 *tion to ensure the safety and security of in-*
16 *dividuals receiving such health services; and*

17 “(ii) *to evaluate and improve the effi-*
18 *ciency, effectiveness, and use of staff and re-*
19 *sources in the delivery of such health serv-*
20 *ices.*

21 “(B) *INCLUSION.*—*The term ‘quality assur-*
22 *ance program’ includes any activity carried out*
23 *by or for the Administration to assess the quality*
24 *of medical care provided by the Administra-*
25 *tion.’.*

1 (b) *TECHNICAL AND CONFORMING AMENDMENT.*—*The*
 2 *table of sections for chapter 313 of title 51, United States*
 3 *Code, is amended by adding at the end the following:*

“31303. Confidentiality of medical quality assurance records.”.

4 ***PART VIII—MISCELLANEOUS PROVISIONS***

5 ***SEC. 2671. CONTRACTING AUTHORITY.***

6 *Section 20113 of title 51, United States Code, is*
 7 *amended by adding at the end the following:*

8 “(o) *CONTRACTING AUTHORITY.*—*The Administra-*
 9 *tion—*

10 “(1) *may enter into an agreement with a pri-*
 11 *ivate, commercial, or State government entity to pro-*
 12 *vide the entity with supplies, support, and services re-*
 13 *lated to private, commercial, or State government*
 14 *space activities carried out at a property owned or*
 15 *operated by the Administration; and*

16 “(2) *upon the request of such an entity, may in-*
 17 *clude such supplies, support, and services in the re-*
 18 *quirements of the Administration if—*

19 “(A) *the Administrator determines that the*
 20 *inclusion of such supplies, support, or services in*
 21 *such requirements—*

22 “(i) *is in the best interest of the Fed-*
 23 *eral Government;*

24 “(ii) *does not interfere with the re-*
 25 *quirements of the Administration; and*

1 “(iii) does not compete with the com-
 2 mercial space activities of other such enti-
 3 ties; and

4 “(B) the Administration has full reimburs-
 5 able funding from the entity that requested sup-
 6 plies, support, and services prior to making any
 7 obligation for the delivery of such supplies, sup-
 8 port, or services under an Administration pro-
 9 curement contract or any other agreement.”.

10 **SEC. 2672. AUTHORITY FOR TRANSACTION PROTOTYPE**
 11 **PROJECTS AND FOLLOW-ON PRODUCTION**
 12 **CONTRACTS.**

13 Section 20113 of title 51, United States Code, as
 14 amended by section 2671, is further amended by adding at
 15 the end the following:

16 “(p) **TRANSACTION PROTOTYPE PROJECTS AND FOL-**
 17 **LOW-ON PRODUCTION CONTRACTS.**—

18 “(1) **IN GENERAL.**—The Administration may
 19 enter into a transaction (other than a contract, coop-
 20 erative agreement, or grant) to carry out a prototype
 21 project that is directly relevant to enhancing the mis-
 22 sion effectiveness of the Administration.

23 “(2) **SUBSEQUENT AWARD OF FOLLOW-ON PRO-**
 24 **DUCTION CONTRACT.**—A transaction entered into
 25 under this subsection for a prototype project may pro-

1 *vide for the subsequent award of a follow-on produc-*
2 *tion contract to participants in the transaction.*

3 “(3) *INCLUSION.*—*A transaction under this sub-*
4 *section includes a project awarded to an individual*
5 *participant and to all individual projects awarded to*
6 *a consortium of United States industry and academic*
7 *institutions.*

8 “(4) *DETERMINATION.*—*The authority of this*
9 *section may be exercised for a transaction for a proto-*
10 *type project and any follow-on production contract,*
11 *upon a determination by the head of the contracting*
12 *activity, in accordance with Administration policies,*
13 *that—*

14 “(A) *circumstances justify use of a trans-*
15 *action to provide an innovative business ar-*
16 *rangement that would not be feasible or appro-*
17 *priate under a contract; and*

18 “(B) *the use of the authority of this section*
19 *is essential to promoting the success of the proto-*
20 *type project.*

21 “(5) *COMPETITIVE PROCEDURE.*—

22 “(A) *IN GENERAL.*—*To the maximum ex-*
23 *tent practicable, the Administrator shall use*
24 *competitive procedures with respect to entering*

1 *into a transaction to carry out a prototype*
2 *project.*

3 “(B) *EXCEPTION.*—*Notwithstanding section*
4 *2304 of title 10, United States Code, a follow-on*
5 *production contract may be awarded to the par-*
6 *ticipants in the prototype transaction without*
7 *the use of competitive procedures, if—*

8 “(i) *competitive procedures were used*
9 *for the selection of parties for participation*
10 *in the prototype transaction; and*

11 “(ii) *the participants in the trans-*
12 *action successfully completed the prototype*
13 *project provided for in the transaction.*

14 “(6) *COST SHARE.*—*A transaction to carry out*
15 *a prototype project and a follow-on production con-*
16 *tract may require that part of the total cost of the*
17 *transaction or contract be paid by the participant or*
18 *contractor from a source other than the Federal Gov-*
19 *ernment.*

20 “(7) *PROCUREMENT ETHICS.*—*A transaction*
21 *under this authority shall be considered an agency*
22 *procurement for purposes of chapter 21 of title 41,*
23 *United States Code, with regard to procurement eth-*
24 *ics.”.*

1 **SEC. 2673. PROTECTION OF DATA AND INFORMATION FROM**
2 **PUBLIC DISCLOSURE.**

3 (a) *CERTAIN TECHNICAL DATA.*—Section 20131 of
4 title 51, United States Code, is amended—

5 (1) by redesignating subsection (c) as subsection
6 (d);

7 (2) in subsection (a)(3), by striking “subsection
8 (b)” and inserting “subsection (b) or (c)”;

9 (3) by inserting after subsection (b) the fol-
10 lowing:

11 “(c) *SPECIAL HANDLING OF CERTAIN TECHNICAL*
12 *DATA.*—

13 “(1) *IN GENERAL.*—The Administrator may pro-
14 vide appropriate protections against the public dis-
15 semination of certain technical data, including ex-
16 emption from subchapter II of chapter 5 of title 5.

17 “(2) *DEFINITIONS.*—In this subsection:

18 “(A) *CERTAIN TECHNICAL DATA.*—The term
19 ‘certain technical data’ means technical data
20 that may not be exported lawfully outside the
21 United States without approval, authorization,
22 or license under—

23 “(i) the Export Control Reform Act of
24 2018 (Public Law 115–232; 132 Stat.
25 2208); or

1 “(ii) *the International Security Assist-*
2 *ance and Arms Export Control Act of 1976*
3 *(Public Law 94–329; 90 Stat. 729).*

4 “(B) *TECHNICAL DATA.*—*The term ‘tech-*
5 *nical data’ means any blueprint, drawing, pho-*
6 *tograph, plan, instruction, computer software, or*
7 *documentation, or any other technical informa-*
8 *tion.’;*

9 (4) *in subsection (d), as so redesignated, by in-*
10 *serting “, including any data,” after “information”;*
11 *and*

12 (5) *by adding at the end the following:*

13 “(e) *EXCLUSION FROM FOIA.*—*This shall be consid-*
14 *ered a statute described in subsection (b)(3)(B) of 552 of*
15 *title 5 (commonly referred to as the ‘Freedom of Informa-*
16 *tion Act’).*”.

17 (b) *CERTAIN VOLUNTARILY PROVIDED SAFETY-RE-*
18 *LATED INFORMATION.*—

19 (1) *IN GENERAL.*—*The Administrator shall pro-*
20 *vide appropriate safeguards against the public dis-*
21 *semination of safety-related information collected as*
22 *part of a mishap investigation carried out under the*
23 *NASA safety reporting system or in conjunction with*
24 *an organizational safety assessment, if the Adminis-*

1 *trator makes a written determination, including a*
2 *justification of the determination, that—*

3 *(A)(i) disclosure of the information would*
4 *inhibit individuals from voluntarily providing*
5 *safety-related information; and*

6 *(ii) the ability of NASA to collect such in-*
7 *formation improves the safety of NASA pro-*
8 *grams and research relating to aeronautics and*
9 *space; or*

10 *(B) withholding such information from public*
11 *disclosure improves the safety of such NASA pro-*
12 *grams and research.*

13 *(2) OTHER FEDERAL AGENCIES.—Notwith-*
14 *standing any other provision of law, if the Adminis-*
15 *trator provides to the head of another Federal agency*
16 *safety-related information with respect to which the*
17 *Administrator has made a determination under para-*
18 *graph (1), the head of the Federal agency shall with-*
19 *hold the information from public disclosure.*

20 *(3) PUBLIC AVAILABILITY.—A determination or*
21 *part of a determination under paragraph (1) shall be*
22 *made available to the public on request, as required*
23 *under 552 of title 5, United States Code (commonly*
24 *referred to as the “Freedom of Information Act”).*

1 (4) *EXCLUSION FROM FOIA.*—*This subsection*
2 *shall be considered a statute described in subsection*
3 *(b)(3)(B) of section 552 of title 5, United States Code.*

4 **SEC. 2674. PHYSICAL SECURITY MODERNIZATION.**

5 *Chapter 201 of title 51, United States Code, is amend-*
6 *ed—*

7 (1) *in section 20133(2), by striking “property”*
8 *and all that follows through “to the United States,”*
9 *and inserting “Administration personnel or of prop-*
10 *erty owned or leased by, or under the control of, the*
11 *United States”; and*

12 (2) *in section 20134, in the second sentence—*

13 (A) *by inserting “Administration personnel*
14 *or any” after “protecting”; and*

15 (B) *by striking “, at facilities owned or*
16 *contracted to the Administration”.*

17 **SEC. 2675. LEASE OF NON-EXCESS PROPERTY.**

18 *Section 20145 of title 51, United States Code, is*
19 *amended—*

20 (1) *in subsection (b)(1)(B), by striking “entered*
21 *into for the purpose of developing renewable energy*
22 *production facilities”; and*

23 (2) *in subsection (g), in the first sentence, by*
24 *striking “December 31, 2021” and inserting “Decem-*
25 *ber 31, 2025”.*

1 **SEC. 2676. CYBERSECURITY.**

2 (a) *IN GENERAL.*—Section 20301 of title 51, United
3 States Code, is amended by adding at the end the following:

4 “(c) *CYBERSECURITY.*—The Administrator shall up-
5 date and improve the cybersecurity of NASA space assets
6 and supporting infrastructure.”.

7 (b) *SECURITY OPERATIONS CENTER.*—

8 (1) *ESTABLISHMENT.*—The Administrator shall
9 maintain a Security Operations Center, to identify
10 and respond to cybersecurity threats to NASA infor-
11 mation technology systems, including institutional
12 systems and mission systems.

13 (2) *INSPECTOR GENERAL RECOMMENDATIONS.*—
14 The Administrator shall implement, to the maximum
15 extent practicable, each of the recommendations con-
16 tained in the report of the Inspector General of NASA
17 entitled “Audit of NASA’s Security Operations Cen-
18 ter”, issued on May 23, 2018.

19 (c) *CYBER THREAT HUNT.*—

20 (1) *IN GENERAL.*—The Administrator, in coordi-
21 nation with the Secretary of Homeland Security and
22 the heads of other relevant Federal agencies, may im-
23 plement a cyber threat hunt capability to proactively
24 search NASA information systems for advanced cyber
25 threats that otherwise evade existing security tools.

1 (2) *THREAT-HUNTING PROCESS.*—*In carrying*
2 *out paragraph (1), the Administrator shall develop*
3 *and document a threat-hunting process, including the*
4 *roles and responsibilities of individuals conducting a*
5 *cyber threat hunt.*

6 (d) *GAO PRIORITY RECOMMENDATIONS.*—*The Admin-*
7 *istrator shall implement, to the maximum extent prac-*
8 *ticable, the recommendations for NASA contained in the re-*
9 *port of the Comptroller General of the United States entitled*
10 *“Information Security: Agencies Need to Improve Controls*
11 *over Selected High-Impact Systems”, issued May 18, 2016,*
12 *including—*

13 (1) *re-evaluating security control assessments;*
14 *and*

15 (2) *specifying metrics for the continuous moni-*
16 *toring strategy of the Administration.*

17 **SEC. 2677. LIMITATION ON COOPERATION WITH THE PEO-**
18 **PLE’S REPUBLIC OF CHINA.**

19 (a) *IN GENERAL.*—*Except as provided by subsection*
20 *(b), the Administrator, the Director of the OSTP, and the*
21 *Chair of the National Space Council, shall not—*

22 (1) *develop, design, plan, promulgate, imple-*
23 *ment, or execute a bilateral policy, program, order, or*
24 *contract of any kind to participate, collaborate, or co-*
25 *ordinate bilaterally in any manner with—*

1 (A) *the Government of the People’s Republic*
2 *of China; or*

3 (B) *any company—*

4 (i) *owned by the Government of the*
5 *People’s Republic of China; or*

6 (ii) *incorporated under the laws of the*
7 *People’s Republic of China; and*

8 (2) *host official visitors from the People’s Repub-*
9 *lic of China at a facility belonging to or used by*
10 *NASA.*

11 (b) *WAIVER.—*

12 (1) *IN GENERAL.—The Administrator, the Direc-*
13 *tor, or the Chair may waive the limitation under sub-*
14 *section (a) with respect to an activity described in*
15 *that subsection only if the Administrator, the Direc-*
16 *tor, or the Chair, as applicable, makes a determina-*
17 *tion that the activity—*

18 (A) *does not pose a risk of a transfer of*
19 *technology, data, or other information with na-*
20 *tional security or economic security implications*
21 *to an entity described in paragraph (1) of such*
22 *subsection; and*

23 (B) *does not involve knowing interactions*
24 *with officials who have been determined by the*

1 *United States to have direct involvement with*
2 *violations of human rights.*

3 (2) *CERTIFICATION TO CONGRESS.*—*Not later*
4 *than 30 days after the date on which a waiver is*
5 *granted under paragraph (1), the Administrator, the*
6 *Director, or the Chair, as applicable, shall submit to*
7 *the Committee on Commerce, Science, and Transpor-*
8 *tation and the Committee on Appropriations of the*
9 *Senate and the Committee on Science, Space, and*
10 *Technology and the Committee on Appropriations of*
11 *the House of Representatives a written certification*
12 *that the activity complies with the requirements in*
13 *subparagraphs (A) and (B) of that paragraph.*

14 (i) *GAO REVIEW.*—

15 (1) *IN GENERAL.*—*The Comptroller General of*
16 *the United States shall conduct a review of NASA*
17 *contracts that may subject the Administration to un-*
18 *acceptable transfers of intellectual property or tech-*
19 *nology to any entity—*

20 (A) *owned or controlled (in whole or in*
21 *part) by, or otherwise affiliated with, the Gov-*
22 *ernment of the People’s Republic of China; or*

23 (B) *organized under, or otherwise subject to,*
24 *the laws of the People’s Republic of China.*

1 (2) *ELEMENTS.*—*The review required under*
2 *paragraph (1) shall assess—*

3 (A) *whether the Administrator is aware—*

4 (i) *of any NASA contractor that bene-*
5 *fits from significant financial assistance*
6 *from—*

7 (I) *the Government of the People’s*
8 *Republic of China;*

9 (II) *any entity controlled by the*
10 *Government of the People’s Republic of*
11 *China; or*

12 (III) *any other governmental enti-*
13 *ty of the People’s Republic of China;*
14 *and*

15 (ii) *that the Government of the People’s*
16 *Republic of China, or an entity controlled*
17 *by the Government of the People’s Republic*
18 *of China, may be—*

19 (I) *leveraging United States com-*
20 *panies that share ownership with*
21 *NASA contractors; or*

22 (II) *obtaining intellectual prop-*
23 *erty or technology illicitly or by other*
24 *unacceptable means; and*

1 (B) the steps the Administrator is taking to
2 ensure that—

3 (i) NASA contractors are not being le-
4 veraged (directly or indirectly) by the Gov-
5 ernment of the People’s Republic of China
6 or by an entity controlled by the Govern-
7 ment of the People’s Republic of China;

8 (ii) the intellectual property and tech-
9 nology of NASA contractors are adequately
10 protected; and

11 (iii) NASA flight-critical components
12 are not sourced from the People’s Republic
13 of China through any entity benefitting
14 from Chinese investments, loans, or other
15 assistance.

16 (3) *RECOMMENDATIONS.*—The Comptroller Gen-
17 eral shall provide to the Administrator recommenda-
18 tions for future NASA contracting based on the re-
19 sults of the review.

20 (4) *PLAN.*—Not later than 180 days after the
21 date on which the Comptroller General completes the
22 review, the Administrator shall—

23 (A) develop a plan to implement the rec-
24 ommendations of the Comptroller General; and

1 (B) submit the plan to the appropriate com-
2 mittees of Congress.

3 (d) *TERMINATION.*—The limitation under subsection
4 (a) shall cease to have effect on the date that is 10 years
5 after the date of the enactment of this division.

6 **SEC. 2678. CONSIDERATION OF ISSUES RELATED TO CON-**
7 **TRACTING WITH ENTITIES RECEIVING AS-**
8 **SISTANCE FROM OR AFFILIATED WITH THE**
9 **PEOPLE’S REPUBLIC OF CHINA.**

10 (a) *IN GENERAL.*—With respect to a matter in re-
11 sponse to a request for proposal or a broad area announce-
12 ment by the Administrator, or award of any contract,
13 agreement, or other transaction with the Administrator, a
14 commercial or noncommercial entity shall certify that it is
15 not majority owned or controlled (as defined in section
16 800.208 of title 31, Code of Federal Regulations), or minor-
17 ity owned greater than 25 percent, by—

18 (1) any governmental organization of the Peo-
19 ple’s Republic of China; or

20 (2) any other entity that is—

21 (A) known to be owned or controlled by any
22 governmental organization of the People’s Repub-
23 lic of China; or

24 (B) organized under, or otherwise subject to,
25 the laws of the People’s Republic of China.

1 (b) *FALSE STATEMENTS.*—

2 (1) *IN GENERAL.*—A false statement contained
3 in a certification under subsection (a) constitutes a
4 false or fraudulent claim for purposes of chapter 47
5 of title 18, United States Code.

6 (2) *ACTION UNDER FEDERAL ACQUISITION REGU-*
7 *LATION.*—Any party convicted for making a false
8 statement with respect to a certification under sub-
9 section (a) shall be subject to debarment from con-
10 tracting with the Administrator for a period of not
11 less than 1 year, as determined by the Administrator,
12 in addition to other appropriate action in accordance
13 with the Federal Acquisition Regulation maintained
14 under section 1303(a)(1) of title 41, United States
15 Code.

16 (c) *ANNUAL REPORT.*—The Administrator shall sub-
17 mit to the appropriate committees of Congress an annual
18 report detailing any violation of this section.

19 **SEC. 2679. SMALL SATELLITE LAUNCH SERVICES PROGRAM.**

20 (a) *IN GENERAL.*—The Administrator shall continue
21 to procure dedicated launch services, including from small
22 and venture class launch providers, for small satellites, in-
23 cluding CubeSats, for the purpose of conducting science and
24 technology missions that further the goals of NASA.

1 (b) *REQUIREMENTS.*—*In carrying out the program*
2 *under subsection (a), the Administrator shall engage with*
3 *the academic community to maximize awareness and use*
4 *of dedicated small satellite launch opportunities.*

5 (c) *RULE OF CONSTRUCTION.*—*Nothing in this section*
6 *shall prevent the Administrator from continuing to use a*
7 *secondary payload of procured launch services for CubeSats.*

8 **SEC. 2680. 21ST CENTURY SPACE LAUNCH INFRASTRUC-**
9 **TURE.**

10 (a) *IN GENERAL.*—*The Administrator shall carry out*
11 *a program to modernize multi-user launch infrastructure*
12 *at NASA facilities—*

13 (1) *to enhance safety; and*

14 (2) *to advance Government and commercial*
15 *space transportation and exploration.*

16 (b) *PROJECTS.*—*Projects funded under the program*
17 *under subsection (a) may include—*

18 (1) *infrastructure relating to commodities;*

19 (2) *standard interfaces to meet customer needs*
20 *for multiple payload processing and launch vehicle*
21 *processing;*

22 (3) *enhancements to range capacity and flexi-*
23 *bility; and*

1 (4) *such other projects as the Administrator con-*
2 *siders appropriate to meet the goals described in sub-*
3 *section (a).*

4 (c) *REQUIREMENTS.—In carrying out the program*
5 *under subsection (a), the Administrator shall—*

6 (1) *identify and prioritize investments in*
7 *projects that can be used by multiple users and*
8 *launch vehicles, including non-NASA users and*
9 *launch vehicles; and*

10 (2) *limit investments to projects that would not*
11 *otherwise be funded by a NASA program, such as an*
12 *institutional or programmatic infrastructure pro-*
13 *gram.*

14 (d) *RULE OF CONSTRUCTION.—Nothing in this section*
15 *shall preclude a NASA program, including the Space*
16 *Launch System and Orion, from using the launch infra-*
17 *structure modernized under this section.*

18 **SEC. 2681. MISSIONS OF NATIONAL NEED.**

19 (a) *SENSE OF CONGRESS.—It is the Sense of Congress*
20 *that—*

21 (1) *while certain space missions, such as asteroid*
22 *detection or space debris mitigation or removal mis-*
23 *sions, may not provide the highest-value science, as*
24 *determined by the National Academies of Science, En-*
25 *gineering, and Medicine decadal surveys, such mis-*

1 *sions provide tremendous value to the United States*
2 *and the world; and*

3 (2) *the current organizational and funding*
4 *structure of NASA has not prioritized the funding of*
5 *missions of national need.*

6 (b) *STUDY.*—

7 (1) *IN GENERAL.*—*The Director of the OSTP*
8 *shall conduct a study on the manner in which NASA*
9 *funds missions of national need.*

10 (2) *MATTERS TO BE INCLUDED.*—*The study con-*
11 *ducted under paragraph (1) shall include the fol-*
12 *lowing:*

13 (A) *An identification and assessment of the*
14 *types of missions or technology development pro-*
15 *grams that constitute missions of national need.*

16 (B) *An assessment of the manner in which*
17 *such missions are currently funded and managed*
18 *by NASA.*

19 (C) *An analysis of the options for funding*
20 *missions of national need, including—*

21 (i) *structural changes required to allow*
22 *NASA to fund such missions; and*

23 (ii) *an assessment of the capacity of*
24 *other Federal agencies to make funds avail-*
25 *able for such missions.*

1 (c) *REPORT TO CONGRESS.*—Not later than 1 year
2 after the date of the enactment of this division, the Director
3 of the OSTP shall submit to the appropriate committees
4 of Congress a report on the results of the study conducted
5 under subsection (b), including recommendations for fund-
6 ing missions of national need.

7 **SEC. 2682. DRINKING WATER WELL REPLACEMENT FOR**
8 **CHINCOTEAGUE, VIRGINIA.**

9 Notwithstanding any other provision of law, during
10 the 5-year period beginning on the date of the enactment
11 of this division, the Administrator may enter into 1 or more
12 agreements with the town of Chincoteague, Virginia, to re-
13 imburse the town for costs that are directly associated
14 with—

15 (1) the removal of drinking water wells located
16 on property administered by the Administration; and

17 (2) the relocation of such wells to property under
18 the administrative control, through lease, ownership,
19 or easement, of the town.

20 **SEC. 2683. PASSENGER CARRIER USE.**

21 Section 1344(a)(2) of title 31, United States Code, is
22 amended—

23 (1) in subparagraph (A), by striking “or” at the
24 end;

1 (2) *in subparagraph (B), by inserting “or” after*
2 *the comma at the end; and*

3 (3) *by inserting after subparagraph (B) the fol-*
4 *lowing:*

5 “(C) *necessary for post-flight transportation of*
6 *United States Government astronauts, and other as-*
7 *tronauts subject to reimbursable arrangements, re-*
8 *turning from space for the performance of medical re-*
9 *search, monitoring, diagnosis, or treatment, or other*
10 *official duties, prior to receiving post-flight medical*
11 *clearance to operate a motor vehicle.”.*

12 **SEC. 2684. USE OF COMMERCIAL NEAR-SPACE BALLOONS.**

13 (a) *SENSE OF CONGRESS.—It is the sense of Congress*
14 *that the use of an array of capabilities, including the use*
15 *of commercially available near-space balloon assets, is in*
16 *the best interest of the United States.*

17 (b) *USE OF COMMERCIAL NEAR-SPACE BALLOONS.—*
18 *The Administrator shall use commercially available balloon*
19 *assets operating at near-space altitudes, to the maximum*
20 *extent practicable, as part of a diverse set of capabilities*
21 *to effectively and efficiently meet the goals of the Adminis-*
22 *tration.*

1 **SEC. 2685. PRESIDENT'S SPACE ADVISORY BOARD.**

2 *Section 121 of the National Aeronautics and Space*
 3 *Administration Authorization Act, Fiscal Year 1991 (Pub-*
 4 *lic Law 101-611; 51 U.S.C. 20111 note) is amended—*

5 *(1) in the section heading, by striking “USERS’*
 6 *ADVISORY GROUP” and inserting “PRESIDENT’S*
 7 *SPACE ADVISORY BOARD”; and*

8 *(2) by striking “Users’ Advisory Group” each*
 9 *place it appears and inserting “President’s Space Ad-*
 10 *visory Board.”*

11 **SEC. 2686. INITIATIVE ON TECHNOLOGIES FOR NOISE AND**
 12 **EMISSIONS REDUCTIONS.**

13 *(a) INITIATIVE REQUIRED.—Section 40112 of title 51,*
 14 *United States Code, is amended—*

15 *(1) by redesignating subsections (b) through (f)*
 16 *as subsections (c) through (g), respectively; and*

17 *(2) by inserting after subsection (a) the following*
 18 *new subsection (b):*

19 *“(b) TECHNOLOGIES FOR NOISE AND EMISSIONS RE-*
 20 *DUCTION.—*

21 *“(1) INITIATIVE REQUIRED.—The Administrator*
 22 *shall establish an initiative to build upon and accel-*
 23 *erate previous or ongoing work to develop and dem-*
 24 *onstrate new technologies, including systems architec-*
 25 *ture, components, or integration of systems and air-*
 26 *frame structures, in electric aircraft propulsion con-*

1 *cepts that are capable of substantially reducing both*
2 *emissions and noise from aircraft.*

3 *“(2) APPROACH.—In carrying out the initiative,*
4 *the Administrator shall do the following:*

5 *“(A) Continue and expand work of the Ad-*
6 *ministration on research, development, and dem-*
7 *onstration of electric aircraft concepts, and the*
8 *integration of such concepts.*

9 *“(B) To the extent practicable, work with*
10 *multiple partners, including small businesses*
11 *and new entrants, on research and development*
12 *activities related to transport category aircraft.*

13 *“(C) Provide guidance to the Federal Avia-*
14 *tion Administration on technologies developed*
15 *and tested pursuant to the initiative.”.*

16 *(b) REPORTS.—Not later than 180 days after the date*
17 *of the enactment of this division, and annually thereafter*
18 *as a part of the Administration’s budget submission, the*
19 *Administrator shall submit a report to the appropriate*
20 *committee of Congress on the progress of the work under*
21 *the initiative required by subsection (b) of section 40112*
22 *of title 51, United States Code (as amended by subsection*
23 *(a) of this section), including an updated, anticipated time-*
24 *frame for aircraft entering into service that produce 50 per-*

1 *cent less noise and emissions than the highest performing*
2 *aircraft in service as of December 31, 2019.*

3 **SEC. 2687. REMEDIATION OF SITES CONTAMINATED WITH**
4 **TRICHLOROETHYLENE.**

5 (a) *IDENTIFICATION OF SITES.*—*Not later than 180*
6 *days after the date of the enactment of this division, the*
7 *Administrator shall identify sites of the Administration*
8 *contaminated with trichloroethylene.*

9 (b) *REPORT REQUIRED.*—*Not later than 1 year after*
10 *the date of the enactment of this division, the Administrator*
11 *shall submit to the appropriate committees of Congress a*
12 *report that includes—*

13 (1) *the recommendations of the Administrator*
14 *for remediating the sites identified under subsection*
15 (a) *during the 5-year period beginning on the date of*
16 *the report; and*

17 (2) *an estimate of the financial resources nec-*
18 *essary to implement those recommendations.*

19 **SEC. 2688. REVIEW ON PREFERENCE FOR DOMESTIC SUP-**
20 **PLIERS.**

21 (a) *SENSE OF CONGRESS.*—*It is the Sense of Congress*
22 *that the Administration should, to the maximum extent*
23 *practicable and with due consideration of foreign policy*
24 *goals and obligations under Federal law—*

1 (1) *use domestic suppliers of goods and services;*
2 *and*

3 (2) *ensure compliance with the Federal acquisi-*
4 *tion regulations, including subcontract flow-down*
5 *provisions.*

6 (b) *REVIEW.*—

7 (1) *IN GENERAL.*—*Not later than 180 days after*
8 *the date of the enactment of this division, the Admin-*
9 *istrator shall undertake a comprehensive review of the*
10 *domestic supplier preferences of the Administration*
11 *and the obligations of the Administration under the*
12 *Federal acquisition regulations to ensure compliance,*
13 *particularly with respect to Federal acquisition regu-*
14 *lations provisions that apply to foreign-based sub-*
15 *contractors.*

16 (2) *ELEMENTS.*—*The review under paragraph*
17 *(1) shall include—*

18 (A) *an assessment as to whether the Admin-*
19 *istration has provided funding for infrastructure*
20 *of a foreign-owned company or State-sponsored*
21 *entity in recent years; and*

22 (B) *a review of any impact such funding*
23 *has had on domestic service providers.*

1 (c) *REPORT.*—*The Administrator shall submit to the*
2 *appropriate committees of Congress a report on the results*
3 *of the review.*

4 **SEC. 2689. REPORT ON USE OF COMMERCIAL SPACEPORTS**
5 **LICENSED BY THE FEDERAL AVIATION AD-**
6 **MINISTRATION.**

7 (a) *IN GENERAL.*—*Not later than 1 year after the date*
8 *of the enactment of this division, the Administrator shall*
9 *submit to the appropriate committees of Congress a report*
10 *on the benefits of increased use of commercial spaceports*
11 *licensed by the Federal Aviation Administration for NASA*
12 *civil space missions and operations.*

13 (b) *ELEMENTS.*—*The report required by subsection (a)*
14 *shall include the following:*

15 (1) *A description and assessment of current use*
16 *of commercial spaceports licensed by the Federal*
17 *Aviation Administration for NASA civil space mis-*
18 *sions and operations.*

19 (2) *A description and assessment of the benefits*
20 *of increased use of such spaceports for such missions*
21 *and operations.*

22 (3) *A description and assessment of the steps*
23 *necessary to achieve increased use of such spaceports*
24 *for such missions and operations.*

1 **SEC. 2690. ACTIVE ORBITAL DEBRIS MITIGATION.**

2 (a) *SENSE OF CONGRESS.*—*It is the sense of Congress*
3 *that—*

4 (1) *orbital debris, particularly in low-Earth*
5 *orbit, poses a hazard to NASA missions, particularly*
6 *human spaceflight; and*

7 (2) *progress has been made on the development*
8 *of guidelines for long-term space sustainability*
9 *through the United Nations Committee on the Peace-*
10 *ful Uses of Outer Space.*

11 (b) *REQUIREMENTS.*—*The Administrator should—*

12 (1) *ensure the policies and standard practices of*
13 *NASA meet or exceed international guidelines for*
14 *spaceflight safety; and*

15 (2) *support the development of orbital debris*
16 *mitigation technologies through continued research*
17 *and development of concepts.*

18 (c) *REPORT TO CONGRESS.*—*Not later than 90 days*
19 *after the date of the enactment of this division, the Adminis-*
20 *trator shall submit to the appropriate committees of Con-*
21 *gress a report on the status of implementing subsection (b).*

22 **SEC. 2691. STUDY ON COMMERCIAL COMMUNICATIONS**
23 **SERVICES.**

24 (a) *SENSE OF CONGRESS.*—*It is the sense of Congress*
25 *that—*

1 (1) *enhancing the ability of researchers to con-*
 2 *duct and interact with experiments while in flight*
 3 *would make huge advancements in the overall profit-*
 4 *ability of conducting research on suborbit and low-*
 5 *Earth orbit payloads; and*

6 (2) *current NASA communications do not allow*
 7 *for real-time data collection, observation, or trans-*
 8 *mission of information.*

9 (b) *STUDY.*—*The Administrator shall conduct a study*
 10 *on the feasibility, impact, and cost of using commercial*
 11 *communications programs services for suborbital flight pro-*
 12 *grams and low-Earth orbit research.*

13 (c) *REPORT.*—*Not later than 18 months after the date*
 14 *of the enactment of this division, the Administrator shall*
 15 *submit to Congress and make publicly available a report*
 16 *that describes the results of the study conducted under sub-*
 17 *section (b).*

18 ***DIVISION C—STRATEGIC***
 19 ***COMPETITION ACT OF 2021***

20 ***SEC. 3001. SHORT TITLE; TABLE OF CONTENTS.***

21 (a) *SHORT TITLE.*—*This Act may be cited as the*
 22 *“Strategic Competition Act of 2021”.*

23 (b) *TABLE OF CONTENTS.*—*The table of contents for*
 24 *this division is as follows:*

DIVISION C—STRATEGIC COMPETITION ACT OF 2021

Sec. 3001. Short title; table of contents.

- Sec. 3002. Findings.*
Sec. 3003. Definitions.
Sec. 3004. Statement of policy.
Sec. 3005. Sense of Congress.
Sec. 3006. Rules of construction.

TITLE I—INVESTING IN A COMPETITIVE FUTURE

Subtitle A—Science and Technology

- Sec. 3101. Authorization to assist United States companies with global supply chain diversification and management.*

Subtitle B—Global Infrastructure and Energy Development

- Sec. 3111. Appropriate committees of Congress defined.*
Sec. 3112. Sense of Congress on international quality infrastructure investment standards.
Sec. 3113. United States support for infrastructure.
Sec. 3114. Infrastructure Transaction and Assistance Network.
Sec. 3115. Strategy for advanced and reliable energy infrastructure.
Sec. 3116. Report on the People’s Republic of China’s investments in foreign energy development.

Subtitle C—Digital Technology and Connectivity

- Sec. 3121. Sense of Congress on digital technology issues.*
Sec. 3122. Digital connectivity and cybersecurity partnership.
Sec. 3123. Strategy for digital investment by United States International Development Finance Corporation.

Subtitle D—Countering Chinese Communist Party Malign Influence

- Sec. 3131. Short title.*
Sec. 3132. Authorization of appropriations for countering Chinese Influence Fund.
Sec. 3133. Findings on Chinese information warfare and malign influence operations.
Sec. 3134. Authorization of appropriations for the Fulbright-Hays Program.
Sec. 3135. Sense of Congress condemning anti-Asian racism and discrimination.
Sec. 3136. Supporting independent media and countering disinformation.
Sec. 3137. Global engagement center.
Sec. 3138. Review by Committee on Foreign Investment in the United States of certain foreign gifts to and contracts with institutions of higher education.
Sec. 3139. Post-employment restrictions on Senate-confirmed officials at the Department of State.
Sec. 3140. Sense of Congress on prioritizing nomination of qualified ambassadors to ensure proper diplomatic positioning to counter Chinese influence.
Sec. 3141. China Censorship Monitor and Action Group.

TITLE II—INVESTING IN ALLIANCES AND PARTNERSHIPS

Subtitle A—Strategic and Diplomatic Matters

- Sec. 3201. Appropriate committees of Congress defined.*

- Sec. 3202. United States commitment and support for allies and partners in the Indo-Pacific.*
- Sec. 3203. Sense of Congress on cooperation with the Quad.*
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- Sec. 3205. Statement of policy on cooperation with ASEAN.*
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1 **SEC. 3002. FINDINGS.**

2 Congress makes the following findings:

3 (1) *The People's Republic of China (PRC) is*
 4 *leveraging its political, diplomatic, economic, mili-*
 5 *tary, technological, and ideological power to become a*
 6 *strategic, near-peer, global competitor of the United*
 7 *States. The policies increasingly pursued by the PRC*
 8 *in these domains are contrary to the interests and*
 9 *values of the United States, its partners, and much*
 10 *of the rest of the world.*

11 (2) *The current policies being pursued by the*
 12 *PRC—*

1 (A) threaten the future character of the
2 international order and are shaping the rules,
3 norms, and institutions that govern relations
4 among states;

5 (B) will put at risk the ability of the
6 United States to secure its national interests;
7 and

8 (C) will put at risk the future peace, pros-
9 perity, and freedom of the international commu-
10 nity in the coming decades.

11 (3) After normalizing diplomatic relations with
12 the PRC in 1979, the United States actively worked
13 to advance the PRC's economic and social develop-
14 ment to ensure that the PRC participated in, and
15 benefitted from, the free and open international order.
16 The United States pursued these goals and contrib-
17 uted to the welfare of the Chinese people by—

18 (A) increasing the PRC's trade relations
19 and access to global capital markets;

20 (B) promoting the PRC's accession to the
21 World Trade Organization;

22 (C) providing development finance and
23 technical assistance;

24 (D) promoting research collaboration;

25 (E) educating the PRC's top students;

1 (F) permitting transfers of cutting-edge
2 technologies and scientific knowledge; and

3 (G) providing intelligence and military as-
4 sistance.

5 (4) *It is now clear that the PRC has chosen to*
6 *pursue state-led, mercantilist economic policies, an*
7 *increasingly authoritarian governance model at home*
8 *through increased restrictions on personal freedoms,*
9 *and an aggressive and assertive foreign policy. These*
10 *policies frequently and deliberately undermine United*
11 *States interests and are contrary to core United*
12 *States values and the values of other nations, both in*
13 *the Indo-Pacific and beyond. In response to this stra-*
14 *tegic decision of the Chinese Communist Party (CCP),*
15 *the United States has been compelled to reexamine*
16 *and revise its strategy towards the PRC.*

17 (5) *The General Secretary of the CCP and the*
18 *President of the PRC, Xi Jinping, has elevated the*
19 *“Great Rejuvenation of the Chinese Nation” as cen-*
20 *tral to the domestic and foreign policy of the PRC.*
21 *His program demands—*

22 (A) *strong, centralized CCP leadership;*

23 (B) *concentration of military power;*

24 (C) *a strong role for the CCP in the state*
25 *and the economy;*

1 (D) an aggressive foreign policy seeking
2 control over broadly asserted territorial claims;
3 and

4 (E) the denial of any values and individual
5 rights that are deemed to threaten the CCP.

6 (6) The PRC views its Leninist model of govern-
7 ance, “socialism with Chinese characteristics”, as su-
8 perior to, and at odds with, the constitutional models
9 of the United States and other democracies. This ap-
10 proach to governance is lauded by the CCP as essen-
11 tial to securing the PRC’s status as a global leader,
12 and to shaping the future of the world. In a 2013
13 speech, President Xi said, “We firmly believe that as
14 socialism with Chinese characteristics develops further
15 . . . it is . . . inevitable that the superiority of our
16 socialist system will be increasingly apparent . . .
17 [and] our country’s road of development will have in-
18 creasingly greater influence on the world.”.

19 (7) The PRC’s objectives are to first establish re-
20 gional hegemony over the Indo-Pacific and then to use
21 that dominant position to propel the PRC to become
22 the “leading world power,” shaping an international
23 order that is conducive to the CCP’s interests. Achiev-
24 ing these objectives require turning the PRC into a
25 wealthy nation under strict CCP rule and using a

1 *strong military and advanced technological capability*
2 *to pursue the PRC's objectives, regardless of other*
3 *countries' interests.*

4 (8) *The PRC is reshaping the current inter-*
5 *national order, which is built upon the rule of law*
6 *and free and open ideals and principles, by con-*
7 *ducting global information and influence operations,*
8 *seeking to redefine international laws and norms to*
9 *align with the objectives of the CCP, rejecting the le-*
10 *gitimacy of internationally recognized human rights,*
11 *and seeking to co-opt the leadership and agenda of*
12 *multinational organizations for the benefit of the*
13 *PRC and other authoritarian regimes at the expense*
14 *of the interests of the United States and the inter-*
15 *national community. In December 2018, President Xi*
16 *suggested that the CCP views its "historic mission" as*
17 *not only to govern China, but also to profoundly in-*
18 *fluence global governance to benefit the CCP.*

19 (9) *The PRC is encouraging other countries to*
20 *follow its model of "socialism with Chinese character-*
21 *istics". During the 19th Party Congress in 2017,*
22 *President Xi said that the PRC could serve as a*
23 *model of development for other countries by utilizing*
24 *"Chinese wisdom" and a "Chinese approach to solv-*
25 *ing problems".*

1 (10) *The PRC is promoting its governance model*
2 *and attempting to weaken other models of governance*
3 *by—*

4 (A) *undermining democratic institutions;*

5 (B) *subverting financial institutions;*

6 (C) *coercing businesses to accommodate the*
7 *policies of the PRC; and*

8 (D) *using disinformation to disguise the na-*
9 *ture of the actions described in subparagraphs*
10 (A) *through (C).*

11 (11) *The PRC is close to its goal of becoming the*
12 *global leader in science and technology. In May 2018,*
13 *President Xi said that for the PRC to reach “pros-*
14 *perity and rejuvenation”, it needs to “endeavor to be*
15 *a major world center for science and innovation”. The*
16 *PRC has invested the equivalent of billions of dollars*
17 *into education and research and development, and*
18 *has established joint scientific research centers and*
19 *science universities.*

20 (12) *The PRC’s drive to become a “manufac-*
21 *turing and technological superpower” and to promote*
22 *“innovation with Chinese characteristics” is coming*
23 *at the expense of human rights and longstanding*
24 *international rules and norms with respect to eco-*
25 *nomics competition, and presents a challenge to*

1 *United States national security and the security of*
2 *allies and like-minded countries. In particular, the*
3 *PRC advances its illiberal political and social poli-*
4 *cies through mass surveillance, social credit systems,*
5 *and a significant role of the state in internet govern-*
6 *ance. Through these means, the PRC increases direct*
7 *and indirect government control over its citizens' ev-*
8 *eryday lives. Its national strategy of "Military-Civil*
9 *Fusion" mandates that civil and commercial re-*
10 *search, which increasingly drives global innovation, is*
11 *leveraged to develop new military capabilities.*

12 *(13) The PRC and the CCP are committing*
13 *crimes against humanity and are engaged in an on-*
14 *going genocide, in violation of the Convention on the*
15 *Prevention and Punishment of the Crime of Genocide,*
16 *done at Paris December 9, 1948, against the predomi-*
17 *nantly Muslim Uyghurs and other ethnic and reli-*
18 *gious minority groups in the Xinjiang Uyghur Au-*
19 *tonomous Region, including through campaigns of*
20 *imprisonment, torture, rape, and coercive birth pre-*
21 *vention policies.*

22 *(14) The PRC is using legal and illegal means*
23 *to achieve its objective of becoming a manufacturing*
24 *and technological superpower. The PRC uses state-di-*
25 *rected industrial policies in anticompetitive ways to*

1 *ensure the dominance of PRC companies. The CCP*
2 *engages in and encourages actions that actively un-*
3 *dermine a free and open international market, such*
4 *as intellectual property theft, forced technology trans-*
5 *fers, regulatory and financial subsidies, and manda-*
6 *tory CCP access to proprietary data as part of busi-*
7 *ness and commercial agreements between Chinese and*
8 *foreign companies.*

9 *(15) The policies referred to in paragraph (14)*
10 *are designed to freeze United States and other foreign*
11 *firms out of the PRC market, while eroding competi-*
12 *tion in other important markets. The heavy subsidiza-*
13 *tion of Chinese companies includes potential violation*
14 *of its World Trade Organization commitments. In*
15 *May 2018, President Xi said that the PRC aims to*
16 *keep the “initiatives of innovation and development*
17 *security . . . in [China’s] own hands”.*

18 *(16) The PRC is advancing its global objectives*
19 *through a variety of avenues, including its signature*
20 *initiative, the Belt and Road Initiative (BRI), which*
21 *is enshrined in the Chinese Constitution and includes*
22 *the Digital Silk Road and Health Silk Road. The*
23 *PRC describes BRI as a straightforward and wholly*
24 *beneficial plan for all countries. However, it eventu-*
25 *ally seeks to advance an economic system with the*

1 *PRC at its center, making it the most concrete geo-*
2 *graphical representation of the PRC's global ambi-*
3 *tions. BRI increases the economic influence of state-*
4 *owned Chinese firms in global markets, enhances the*
5 *PRC's political leverage with government leaders*
6 *around the world, and provides greater access to stra-*
7 *tegic nodes such as ports and railways. Through BRI,*
8 *the PRC seeks political deference through economic*
9 *dependence.*

10 *(17) The PRC is executing a plan to establish re-*
11 *gional hegemony over the Indo-Pacific and displace*
12 *the United States from the region. As a Pacific*
13 *power, the United States has built and supported en-*
14 *during alliances and economic partnerships that se-*
15 *ecure peace and prosperity and promote the rule of*
16 *law and political pluralism in a free and open Indo-*
17 *Pacific. In contrast, the PRC uses economic and mili-*
18 *tary coercion in the region to secure its own interests.*

19 *(18) The PRC's military strategy seeks to keep*
20 *the United States military from operating in the*
21 *Western Pacific and to erode United States security*
22 *guarantees.*

23 *(19) The PRC is aggressively pursuing exclusive*
24 *control of critical land routes, sea lanes, and air*
25 *space in the Indo-Pacific in the hopes of eventually*

1 *exercising greater influence beyond the region. This*
2 *includes lanes crucial to commercial activity, energy*
3 *exploration, transport, and the exercise of security op-*
4 *erations in areas permitted under international law.*

5 (20) *The PRC seeks so-called “reunification”*
6 *with Taiwan through whatever means may ultimately*
7 *be required. The CCP’s insistence that so-called “re-*
8 *unification” is Taiwan’s only option makes this goal*
9 *inherently coercive. In January 2019, President Xi*
10 *stated that the PRC “make[s] no promise to renounce*
11 *the use of force and reserve[s] the option of taking all*
12 *necessary means”. Taiwan’s embodiment of demo-*
13 *cratic values and economic liberalism challenges*
14 *President Xi’s goal of achieving national rejuvena-*
15 *tion. The PRC plans to exploit Taiwan’s dominant*
16 *strategic position in the First Island Chain and to*
17 *project power into the Second Island Chain and be-*
18 *yond.*

19 (21) *In the South China Sea, the PRC has exe-*
20 *cuted an illegal island-building campaign that threat-*
21 *ens freedom of navigation and the free-flow of com-*
22 *merce, damages the environment, bolsters PLA power*
23 *projection capabilities, and coerces and intimidates*
24 *other regional claimants in an effort to advance its*
25 *unlawful claims and control the waters around neigh-*

1 *boring countries. Despite President Xi's September*
2 *2015 speech, in which he said the PRC did not intend*
3 *to militarize the South China Sea, during the 2017*
4 *19th Party Congress, President Xi announced that*
5 *“construction on islands and reefs in the South China*
6 *Sea have seen steady progress”.*

7 *(22) The PRC is rapidly modernizing the PLA*
8 *to attain a level of capacity and capability superior*
9 *to the United States in terms of equipment and con-*
10 *duct of modern military operations by shifting its*
11 *military doctrine from having a force “adequate [for]*
12 *China's defensive needs” to having a force “commen-*
13 *surate with China's international status”. Ultimately,*
14 *this transformation could enable China to impose its*
15 *will in the Indo-Pacific region through the threat of*
16 *military force. In 2017, President Xi established the*
17 *following developmental benchmarks for the advance-*
18 *ment of the PLA:*

19 *(A) A mechanized force with increased*
20 *informatized and strategic capabilities by 2020.*

21 *(B) The complete modernization of China's*
22 *national defense by 2035.*

23 *(C) The full transformation of the PLA into*
24 *a world-class force by 2050.*

1 (23) *The PRC’s strategy and supporting policies*
2 *described in this section undermine United States in-*
3 *terests, such as—*

4 (A) *upholding a free and open international*
5 *order;*

6 (B) *maintaining the integrity of inter-*
7 *national institutions with liberal norms and val-*
8 *ues;*

9 (C) *preserving a favorable balance of power*
10 *in the Indo-Pacific;*

11 (D) *ensuring the defense of its allies;*

12 (E) *preserving open sea and air lanes;*

13 (F) *fostering the free flow of commerce*
14 *through open and transparent markets; and*

15 (G) *promoting individual freedom and*
16 *human rights.*

17 (24) *The global COVID–19 pandemic has inten-*
18 *sified and accelerated these trends in the PRC’s be-*
19 *havior and therefore increased the need for United*
20 *States global leadership and a competitive posture.*
21 *The PRC has capitalized on the world’s focus on the*
22 *COVID–19 pandemic by—*

23 (A) *moving rapidly to undermine Hong*
24 *Kong’s autonomy, including imposing a so-called*
25 *“national security law” on Hong Kong;*

1 (B) aggressively imposing its will in the
2 East and South China Seas;

3 (C) contributing to increased tensions with
4 India; and

5 (D) engaging in a widespread and govern-
6 ment-directed disinformation campaign to ob-
7 scure the PRC government's efforts to cover up
8 the seriousness of COVID-19, sow confusion
9 about the origination of the outbreak, and dis-
10 credit the United States, its allies, and global
11 health efforts.

12 (25) The CCP's disinformation campaign re-
13 ferred to in paragraph (24)(D) has included—

14 (A) concerted efforts, in the early days of
15 the pandemic, to downplay the nature and scope
16 of the outbreak in Wuhan in the PRC, as well
17 as cases of person-to-person transmission;

18 (B) claims that the virus originated in
19 United States biological defense research at Fort
20 Detrick, Maryland;

21 (C) Chinese state media reports insinuating
22 a possible link between the virus and other
23 United States biological facilities; and

1 (D) efforts to block access to qualified inter-
2 national infectious disease experts who might
3 contradict the CCP's narrative.

4 (26) In response to the PRC's strategy and poli-
5 cies, the United States must adopt a policy of stra-
6 tegic competition with the PRC to protect and pro-
7 mote our vital interests and values.

8 (27) The United States' policy of strategic com-
9 petition with respect to the PRC is part of a broader
10 strategic approach to the Indo-Pacific and the world
11 which centers around cooperation with United States
12 allies and partners to advance shared values and in-
13 terests and to preserve and enhance a free, open,
14 democratic, inclusive, rules-based, stable, and diverse
15 region.

16 (28) The Asia Reassurance Initiative Act of 2018
17 (Public Law 115–409) contributed to a comprehensive
18 framework for promoting United State security inter-
19 ests, economic interests, and values in the Indo-Pa-
20 cific region, investing \$7,500,000,000 over 5 years—

21 (A) to support greater security and defense
22 cooperation between the United States and allies
23 and partners in the Indo-Pacific region;

1 (B) to advance democracy and the protec-
2 tion and promotion of human rights in the Indo-
3 Pacific region;

4 (C) to enhance cybersecurity cooperation be-
5 tween the United States and partners in the
6 Indo-Pacific;

7 (D) to deepen people-to-people engagement
8 through programs such as the Young Southeast
9 Asian Leaders Initiative and the ASEAN Youth
10 Volunteers program; and

11 (E) to enhance energy cooperation and en-
12 ergy security in the Indo-Pacific region.

13 **SEC. 3003. DEFINITIONS.**

14 *In this division:*

15 (1) *APPROPRIATE CONGRESSIONAL COMMIT-*
16 *TEES.—The term “appropriate congressional commit-*
17 *tees” means—*

18 (A) *the Committee on Foreign Relations of*
19 *the Senate; and*

20 (B) *the Committee on Foreign Affairs of the*
21 *House of Representatives.*

22 (2) *CCP.—The term “CCP” means the Chinese*
23 *Communist Party.*

24 (3) *INDO-PACIFIC REGION.—The terms “Indo-Pa-*
25 *cific” and “Indo-Pacific region” mean the 37 coun-*

1 *tries and the surrounding waterways that are under*
2 *the area of responsibility of the U.S. Indo-Pacific*
3 *Command. These countries are: Australia, Ban-*
4 *gladesh, Bhutan, Brunei, Burma, Cambodia, China,*
5 *Fiji, India, Indonesia, Japan, Kiribati, Laos, Malay-*
6 *sia, Maldives, Marshall Islands, Micronesia, Mon-*
7 *golia, Nauru, Nepal, New Zealand, North Korea,*
8 *Palau, Papua New Guinea, Philippines, Republic of*
9 *Korea, Samoa, Singapore, Solomon Islands, Sri*
10 *Lanka, Taiwan, Thailand, Timor-Leste, Tonga,*
11 *Tuvalu, Vanuatu, and Vietnam.*

12 (4) *PEOPLE’S LIBERATION ARMY; PLA.—The*
13 *terms “People’s Liberation Army” and “PLA” mean*
14 *the armed forces of the People’s Republic of China.*

15 (5) *PRC; CHINA.—The terms “PRC” and*
16 *“China” mean the People’s Republic of China.*

17 **SEC. 3004. STATEMENT OF POLICY.**

18 (a) *OBJECTIVES.—It is the policy of the United States,*
19 *in pursuing strategic competition with the PRC, to pursue*
20 *the following objectives:*

21 (1) *The United States global leadership role is*
22 *sustained and its political system and major founda-*
23 *tions of national power are postured for long-term po-*
24 *litical, economic, technological, and military competi-*
25 *tion with the PRC.*

1 (2) *The balance of power in the Indo-Pacific re-*
2 *remains favorable to the United States and its allies.*
3 *The United States and its allies maintain unfettered*
4 *access to the region, including through freedom of*
5 *navigation and the free flow of commerce, consistent*
6 *with international law and practice, and the PRC*
7 *neither dominates the region nor coerces its neighbors.*

8 (3) *The allies and partners of the United*
9 *States—*

10 (A) *maintain confidence in United States*
11 *leadership and its commitment to the Indo-Pa-*
12 *cific region;*

13 (B) *can withstand and combat subversion*
14 *and undue influence by the PRC; and*

15 (C) *align themselves with the United States*
16 *in setting global rules, norms, and standards*
17 *that benefit the international community.*

18 (4) *The combined weight of the United States*
19 *and its allies and partners is strong enough to dem-*
20 *onstrate to the PRC that the risks of attempts to*
21 *dominate other states outweigh the potential benefits.*

22 (5) *The United States leads the free and open*
23 *international order, which is comprised of resilient*
24 *states and institutions that uphold and defend prin-*
25 *ciples, such as sovereignty, rule of law, individual*

1 *freedom, and human rights. The international order*
2 *is strengthened to defeat attempts at destabilization*
3 *by illiberal and authoritarian actors.*

4 (6) *The key rules, norms, and standards of inter-*
5 *national engagement in the 21st century are main-*
6 *tained, including—*

7 (A) *the protection of human rights, commer-*
8 *cial engagement and investment, and technology;*
9 *and*

10 (B) *that such rules, norms, and standards*
11 *are in alignment with the values and interests of*
12 *the United States, its allies and partners, and*
13 *the free world.*

14 (7) *The United States assures that the CCP does*
15 *not—*

16 (A) *subvert open and democratic societies;*

17 (B) *distort global markets;*

18 (C) *manipulate the international trade sys-*
19 *tem;*

20 (D) *coerce other nations via economic and*
21 *military means; or*

22 (E) *use its technological advantages to un-*
23 *dermine individual freedoms or other states' na-*
24 *tional security interests.*

1 (8) *The United States deters military confronta-*
2 *tion with the PRC and both nations work to reduce*
3 *the risk of conflict.*

4 (b) *POLICY.—It is the policy of the United States, in*
5 *pursuit of the objectives set forth in subsection (a)—*

6 (1) *to strengthen the United States domestic*
7 *foundation by reinvesting in market-based economic*
8 *growth, education, scientific and technological inno-*
9 *vation, democratic institutions, and other areas that*
10 *improve the ability of the United States to pursue its*
11 *vital economic, foreign policy, and national security*
12 *interests;*

13 (2) *to pursue a strategy of strategic competition*
14 *with the PRC in the political, diplomatic, economic,*
15 *development, military, informational, and techno-*
16 *logical realms that maximizes the United States’*
17 *strengths and increases the costs for the PRC of harm-*
18 *ing United States interests and the values of United*
19 *States allies and partners;*

20 (3) *to lead a free, open, and secure international*
21 *system characterized by freedom from coercion, rule of*
22 *law, open markets and the free flow of commerce, and*
23 *a shared commitment to security and peaceful resolu-*
24 *tion of disputes, human rights, and good and trans-*
25 *parent governance;*

1 (4) to strengthen and deepen United States alli-
2 ances and partnerships, prioritizing the Indo-Pacific
3 and Europe, by pursuing greater bilateral and multi-
4 lateral cooperative initiatives that advance shared in-
5 terests and values and bolster partner countries' con-
6 fidence that the United States is and will remain a
7 strong, committed, and constant partner;

8 (5) to encourage and collaborate with United
9 States allies and partners in boosting their own capa-
10 bilities and resiliency to pursue, defend, and protect
11 shared interests and values, free from coercion and ex-
12 ternal pressure;

13 (6) to pursue fair, reciprocal treatment and
14 healthy competition in United States-China economic
15 relations by—

16 (A) advancing policies that harden the
17 United States economy against unfair and ille-
18 gal commercial or trading practices and the co-
19 ercion of United States businesses; and

20 (B) tightening United States laws and regu-
21 lations as necessary to prevent the PRC's at-
22 tempts to harm United States economic competi-
23 tiveness;

24 (7) to demonstrate the value of private sector-led
25 growth in emerging markets around the world, in-

1 *cluding through the use of United States Government*
2 *tools that—*

3 *(A) support greater private sector invest-*
4 *ment and advance capacity-building initiatives*
5 *that are grounded in the rule of law;*

6 *(B) promote open markets;*

7 *(C) establish clear policy and regulatory*
8 *frameworks;*

9 *(D) improve the management of key eco-*
10 *nomie sectors;*

11 *(E) combat corruption; and*

12 *(F) foster and support greater collaboration*
13 *with and among partner countries and the*
14 *United States private sector to develop secure*
15 *and sustainable infrastructure;*

16 *(8) to lead in the advancement of international*
17 *rules and norms that foster free and reciprocal trade*
18 *and open and integrated markets;*

19 *(9) to conduct vigorous commercial diplomacy in*
20 *support of United States companies and businesses in*
21 *partner countries that seek fair competition;*

22 *(10) to ensure that the United States leads in the*
23 *innovation of critical and emerging technologies, such*
24 *as next-generation telecommunications, artificial in-*

1 *telligence, quantum computing, semiconductors, and*
2 *biotechnology, by—*

3 *(A) providing necessary investment and*
4 *concrete incentives for the private sector to accel-*
5 *erate development of such technologies;*

6 *(B) modernizing export controls and invest-*
7 *ment screening regimes and associated policies*
8 *and regulations;*

9 *(C) enhancing United States leadership in*
10 *technical standards-setting bodies and avenues*
11 *for developing norms regarding the use of emerg-*
12 *ing critical technologies;*

13 *(D) reducing United States barriers and in-*
14 *creasing incentives for collaboration with allies*
15 *and partners on the research and co-development*
16 *of critical technologies;*

17 *(E) collaborating with allies and partners*
18 *to protect critical technologies by—*

19 *(i) crafting multilateral export control*
20 *measures;*

21 *(ii) building capacity for defense tech-*
22 *nology security;*

23 *(iii) safeguarding chokepoints in sup-*
24 *ply chains; and*

25 *(iv) ensuring diversification; and*

1 (F) designing major defense capabilities for
2 export to allies and partners;

3 (11) to enable the people of the United States, in-
4 cluding the private sector, civil society, universities
5 and other academic institutions, State and local legis-
6 lators, and other relevant actors to identify and re-
7 main vigilant to the risks posed by undue influence
8 of the CCP in the United States;

9 (12) to implement measures to mitigate the risks
10 referred to in paragraph (11), while still preserving
11 opportunities for economic engagement, academic re-
12 search, and cooperation in other areas where the
13 United States and the PRC share interests;

14 (13) to collaborate with advanced democracies
15 and other willing partners to promote ideals and
16 principles that—

17 (A) advance a free and open international
18 order;

19 (B) strengthen democratic institutions;

20 (C) protect and promote human rights; and

21 (D) uphold a free press and fact-based re-
22 porting;

23 (14) to develop comprehensive and holistic strate-
24 gies and policies to counter PRC disinformation cam-
25 paigns;

1 (15) to demonstrate effective leadership at the
2 United Nations, its associated agencies, and other
3 multilateral organizations and defend the integrity of
4 these organizations against co-optation by illiberal
5 and authoritarian nations;

6 (16) to prioritize the defense of fundamental free-
7 doms and human rights in the United States relation-
8 ship with the PRC;

9 (17) to cooperate with allies, partners, and mul-
10 tilateral organizations, leveraging their significant
11 and growing capabilities to build a network of like-
12 minded states that sustains and strengthens a free
13 and open order and addresses regional and global
14 challenges to hold the Government of the PRC ac-
15 countable for—

16 (A) violations and abuses of human rights;

17 (B) restrictions on religious practices; and

18 (C) undermining and abrogating treaties,
19 other international agreements, and other inter-
20 national norms related to human rights;

21 (18) to expose the PRC's use of corruption, re-
22 pression, coercion, and other malign behavior to at-
23 tain unfair economic advantages and to pressure
24 other nations to defer to its political and strategic ob-
25 jectives;

1 (19) to maintain United States access to the
2 Western Pacific, including by—

3 (A) increasing United States forward-de-
4 ployed forces in the Indo-Pacific region;

5 (B) modernizing the United States military
6 through investments in existing and new plat-
7 forms, emerging technologies, critical in-theater
8 force structure and enabling capabilities, joint
9 operational concepts, and a diverse, operation-
10 ally resilient and politically sustainable posture;
11 and

12 (C) operating and conducting exercises with
13 allies and partners—

14 (i) to mitigate the PLA's ability to
15 project power and establish contested zones
16 within the First and Second Island Chains;

17 (ii) to diminish the ability of the PLA
18 to coerce its neighbors;

19 (iii) to maintain open sea and air
20 lanes, particularly in the Taiwan Strait,
21 the East China Sea, and the South China
22 Sea; and

23 (iv) to project power from the United
24 States and its allies and partners to dem-

1 *onstrate the ability to conduct contested lo-*
2 *gistics;*

3 *(20) to deter the PRC from—*

4 *(A) coercing Indo-Pacific nations, including*
5 *by developing more combat-credible forces that*
6 *are integrated with allies and partners in con-*
7 *tact, blunt, and surge layers and able to defeat*
8 *any PRC theory of victory in the First or Sec-*
9 *ond Island Chains of the Western Pacific and be-*
10 *yond, as called for in the 2018 National Defense*
11 *Strategy;*

12 *(B) using grey-zone tactics below the level of*
13 *armed conflict; or*

14 *(C) initiating armed conflict;*

15 *(21) to strengthen United States-PRC military-*
16 *to-military communication and improve de-escalation*
17 *procedures to de-conflict operations and reduce the*
18 *risk of unwanted conflict, including through high-level*
19 *visits and recurrent exchanges between civilian and*
20 *military officials and other measures, in alignment*
21 *with United States interests; and*

22 *(22) to cooperate with the PRC if interests align,*
23 *including through bilateral or multilateral means and*
24 *at the United Nations, as appropriate.*

1 **SEC. 3005. SENSE OF CONGRESS.**

2 *It is the sense of Congress that the execution of the pol-*
3 *icy described in section 3004(b) requires the following ac-*
4 *tions:*

5 (1) *Strategic competition with the PRC will re-*
6 *quire the United States—*

7 (A) *to marshal sustained political will to*
8 *protect its vital interests, promote its values, and*
9 *advance its economic and national security ob-*
10 *jectives for decades to come; and*

11 (B) *to achieve this sustained political will,*
12 *persuade the American people and United States*
13 *allies and partners of—*

14 (i) *the challenges posed by the PRC;*

15 *and*

16 (ii) *the need for long-term competition*
17 *to defend shared interests and values.*

18 (2) *The United States must coordinate closely*
19 *with allies and partners to compete effectively with*
20 *the PRC, including to encourage allies and partners*
21 *to assume, as appropriate, greater roles in balancing*
22 *and checking the aggressive and assertive behavior of*
23 *the PRC.*

24 (3) *The President of the United States must lead*
25 *and direct the entire executive branch to treat the*
26 *People's Republic of China as the greatest geopolitical*

1 *and geoeconomic challenge for United States foreign*
2 *policy, increasing the prioritization of strategic com-*
3 *petition with the PRC and broader United States in-*
4 *terests in the Indo-Pacific region in the conduct of*
5 *foreign policy and assuring the allocation of appro-*
6 *prate resources adequate to the challenge.*

7 *(4) The head of every Federal department and*
8 *agency should designate a senior official at the level*
9 *of Under Secretary or above to coordinate the depart-*
10 *ment's or agency's policies with respect to strategic*
11 *competition with the PRC.*

12 *(5) The ability of the United States to execute a*
13 *strategy of strategic competition with the PRC will be*
14 *undermined if our attention is repeatedly diverted to*
15 *challenges that are not vital to United States eco-*
16 *nomics and national security interests.*

17 *(6) In the coming decades, the United States*
18 *must prevent the PRC from—*

19 *(A) establishing regional hegemony in the*
20 *Indo-Pacific; and*

21 *(B) using that position to advance its asser-*
22 *tive political, economic, and foreign policy goals*
23 *around the world.*

1 (7) *The United States must ensure that the Fed-*
2 *eral budget is properly aligned with the strategic im-*
3 *perative to compete with the PRC by—*

4 (A) *ensuring sufficient levels of funding to*
5 *resource all instruments of United States na-*
6 *tional power; and*

7 (B) *coherently prioritizing how such funds*
8 *are used.*

9 (8) *Sustained prioritization of the challenge*
10 *posed by the PRC requires—*

11 (A) *bipartisan cooperation within Congress;*
12 *and*

13 (B) *frequent, sustained, and meaningful col-*
14 *laboration and consultation between the executive*
15 *branch and Congress.*

16 (9) *The United States must ensure close integra-*
17 *tion among economic and foreign policymakers, the*
18 *private sector, civil society, universities and academic*
19 *institutions, and other relevant actors in free and*
20 *open societies affected by the challenges posed by the*
21 *PRC to enable such actors—*

22 (A) *to collaborate to advance common inter-*
23 *ests; and*

24 (B) *to identify appropriate policies—*

1 (i) to strengthen the United States and
2 its allies;

3 (ii) to promote a compelling vision of
4 a free and open order; and

5 (iii) to push back against detrimental
6 policies pursued by the CCP.

7 (10) The United States must ensure that all Fed-
8 eral departments and agencies are organized to reflect
9 the fact that strategic competition with the PRC is
10 the United States' greatest geopolitical and
11 goeconomic challenge, including through the assigned
12 missions and location of United States Government
13 personnel, by—

14 (A) dedicating more personnel in the Indo-
15 Pacific region, at posts around the world, and in
16 Washington DC, with priorities directly relevant
17 to advancing competition with the People's Re-
18 public of China;

19 (B) placing greater numbers of foreign serv-
20 ice officers, international development profes-
21 sionals, members of the foreign commercial serv-
22 ice, intelligence professionals, and other United
23 States Government personnel in the Indo-Pacific
24 region; and

1 (C) ensuring that this workforce, both civil-
2 ian and military, has the training in language,
3 technical skills, and other competencies required
4 to advance a successful competitive strategy with
5 the PRC.

6 (11) The United States must place renewed em-
7 phasis on strengthening the nonmilitary instruments
8 of national power, including diplomacy, information,
9 technology, economics, foreign assistance and develop-
10 ment finance, commerce, intelligence, and law en-
11 forcement, which are crucial for addressing the unique
12 economic, political, and ideological challenges posed
13 by the PRC.

14 (12) The United States must sustain resourcing
15 for a Pacific Deterrence Initiative, which shall be
16 aligned with the overarching political and diplomatic
17 objectives articulated in the Asia Reassurance Initia-
18 tive Act (Public Law 115–409), and must prioritize
19 the military investments necessary to achieve United
20 States political objectives in the Indo-Pacific, includ-
21 ing—

22 (A) promoting regional security in the
23 Indo-Pacific;

24 (B) reassuring allies and partners while
25 protecting them from coercion; and

1 (C) deterring conflict with the PRC.

2 (13) Competition with the PRC requires the
3 United States' skillful adaptation to the information
4 environment of the 21st century. United States public
5 diplomacy and messaging efforts must effectively—

6 (A) promote the value of partnership with
7 the United States;

8 (B) highlight the risks and costs of
9 enmeshment with the PRC; and

10 (C) counter CCP propaganda and
11 disinformation.

12 **SEC. 3006. RULES OF CONSTRUCTION.**

13 (a) *APPLICABILITY OF EXISTING RESTRICTIONS ON*
14 *ASSISTANCE TO FOREIGN SECURITY FORCES.*—Nothing in
15 *this division shall be construed to diminish, supplant, su-*
16 *perse, or otherwise restrict or prevent responsibilities of*
17 *the United States Government under section 620M of the*
18 *Foreign Assistance Act of 1961 (22 U.S.C. 2378d) or section*
19 *362 of title 10, United States Code.*

20 (b) *NO AUTHORIZATION FOR THE USE OF MILITARY*
21 *FORCE.*—Nothing in this division may be construed as au-
22 *thorizing the use of military force.*

1 **TITLE I—INVESTING IN A**
2 **COMPETITIVE FUTURE**
3 **Subtitle A—Science and Technology**

4 **SEC. 3101. AUTHORIZATION TO ASSIST UNITED STATES**
5 **COMPANIES WITH GLOBAL SUPPLY CHAIN DI-**
6 **VERSIFICATION AND MANAGEMENT.**

7 (a) *AUTHORIZATION TO CONTRACT SERVICES.*—The
8 *Secretary of State, in coordination with the Secretary of*
9 *Commerce, is authorized to establish a program to facilitate*
10 *the contracting by the Department of State for the profes-*
11 *sional services of qualified experts, on a reimbursable fee*
12 *for service basis, to assist interested United States persons*
13 *and business entities with supply chain management issues*
14 *related to the PRC, including—*

15 (1) *exiting from the PRC market or relocating*
16 *certain production facilities to locations outside the*
17 *PRC;*

18 (2) *diversifying sources of inputs, and other ef-*
19 *forts to diversify supply chains to locations outside of*
20 *the PRC;*

21 (3) *navigating legal, regulatory, or other chal-*
22 *lenges in the course of the activities described in para-*
23 *graphs (1) and (2); and*

24 (4) *identifying alternative markets for produc-*
25 *tion or sourcing outside of the PRC, including*

1 *through providing market intelligence, facilitating*
2 *contact with reliable local partners as appropriate,*
3 *and other services.*

4 **(b) CHIEF OF MISSION OVERSIGHT.**—*The persons*
5 *hired to perform the services described in subsection (a)*
6 *shall—*

7 *(1) be under the authority of the United States*
8 *Chief of Mission in the country in which they are*
9 *hired, in accordance with existing United States laws;*

10 *(2) coordinate with Department of State and De-*
11 *partment of Commerce officers; and*

12 *(3) coordinate with United States missions and*
13 *relevant local partners in other countries as needed to*
14 *carry out the services described in subsection (a).*

15 **(c) PRIORITIZATION OF MICRO-, SMALL-, AND ME-**
16 **DIUM-SIZED ENTERPRISES.**—*The services described in sub-*
17 *section (a) shall be prioritized for assisting micro-, small-*
18 *, and medium-sized enterprises with regard to the matters*
19 *described in subsection (a).*

20 **(d) AUTHORIZATION OF APPROPRIATIONS.**—*There is*
21 *authorized to be appropriated \$15,000,000 for each of fiscal*
22 *years 2022 through 2026 for the purposes of carrying out*
23 *this section.*

1 (e) *PROHIBITION ON ACCESS TO ASSISTANCE BY FOR-*
2 *EIGN ADVERSARIES.*—None of the funds appropriated pur-
3 *suant to this section may be provided to an entity—*

4 (1) *under the foreign ownership, control, or in-*
5 *fluence of the Government of the People’s Republic of*
6 *China or the Chinese Communist Party, or other for-*
7 *eign adversary;*

8 (2) *determined to have beneficial ownership from*
9 *foreign individuals subject to the jurisdiction, direc-*
10 *tion, or influence of foreign adversaries; and*

11 (3) *that has any contract in effect at the time of*
12 *the receipt of such funds, or has had a contract with-*
13 *in the previous one year that is no longer in effect,*
14 *with—*

15 (A) *the Government of the People’s Republic*
16 *of China;*

17 (B) *the Chinese Communist Party;*

18 (C) *the Chinese military;*

19 (D) *an entity majority-owned, majority-*
20 *controlled, or majority-financed by the Govern-*
21 *ment of the People’s Republic of China, the CCP,*
22 *or the Chinese military; or*

23 (E) *a parent, subsidiary, or affiliate of an*
24 *entity described in subparagraph (D).*

1 (f) *DEFINITIONS.*—*The terms “foreign ownership, con-*
2 *trol, or influence” and “FOCI” have the meanings given*
3 *those terms in the National Industrial Security Program*
4 *Operating Manual (DOD 5220.22–M), or a successor docu-*
5 *ment.*

6 ***Subtitle B—Global Infrastructure***
7 ***and Energy Development***

8 ***SEC. 3111. APPROPRIATE COMMITTEES OF CONGRESS DE-***
9 ***FINED.***

10 *In this subtitle, the term “appropriate committees of*
11 *Congress” means—*

12 (1) *the Committee on Foreign Relations and the*
13 *Committee on Appropriations of the Senate; and*

14 (2) *the Committee on Foreign Affairs and the*
15 *Committee on Appropriations of the House of Rep-*
16 *resentatives.*

17 ***SEC. 3112. SENSE OF CONGRESS ON INTERNATIONAL QUAL-***
18 ***ITY INFRASTRUCTURE INVESTMENT STAND-***
19 ***ARDS.***

20 (a) *SENSE OF CONGRESS.*—*It is the sense of Congress*
21 *that the United States should initiate collaboration among*
22 *governments, the private sector, and civil society to encour-*
23 *age the adoption of the standards for quality global infra-*
24 *structure development advanced by the G20 at Osaka in*
25 *2018, including with respect to the following issues:*

1 *States, and other agencies to catalyze private sector invest-*
2 *ments around the world and to coordinate the deployment*
3 *of United States Government technical assistance and devel-*
4 *opment finance tools, including project preparation services*
5 *and commercial advocacy.*

6 (b) *SENSE OF CONGRESS.—It is the sense of Congress*
7 *that—*

8 (1) *the world’s infrastructure needs, including in*
9 *the transport, energy, and digital sectors, are vast*
10 *and growing;*

11 (2) *total or partial ownership or acquisition of,*
12 *or a significant financial stake or physical presence*
13 *in, certain types of infrastructure, including ports,*
14 *energy grids, 5G telecommunications networks, and*
15 *undersea cables, can provide an advantage to coun-*
16 *tries that do not share the interests and values of the*
17 *United States and its allies and partners, and could*
18 *therefore be deleterious to the interests and values of*
19 *the United States and its allies and partners;*

20 (3) *the United States must continue to prioritize*
21 *support for infrastructure projects that are physically*
22 *secure, financially viable, economically sustainable,*
23 *and socially responsible;*

24 (4) *achieving the objective outlined in paragraph*
25 (3) *requires the coordination of all United States*

1 *Government economic tools across the interagency, so*
2 *that such tools are deployed in a way to maximize*
3 *United States interests and that of its allies and part-*
4 *ners;*

5 *(5) the GICC represents an important and con-*
6 *crete step towards better communication and coordi-*
7 *nation across the United States Government of eco-*
8 *nomics tools relevant to supporting infrastructure that*
9 *is physically secure, financially viable, economically*
10 *sustainable, and socially responsible, and should be*
11 *continued; and*

12 *(6) the executive branch and Congress should*
13 *have consistent consultations on United States sup-*
14 *port for strategic infrastructure projects, including*
15 *how Congress can support such initiatives in the fu-*
16 *ture.*

17 *(c) REPORTING REQUIREMENT.—Not later than 180*
18 *days after the date of the enactment of this Act, and semi-*
19 *annually thereafter for 5 years, the Secretary of State, in*
20 *coordination with other Federal agencies that participate*
21 *in the GICC, and, as appropriate, the Director of National*
22 *Intelligence, shall submit to the appropriate committees of*
23 *Congress a report that identifies—*

24 *(1) current, pending, and future infrastructure*
25 *projects, particularly in the transport, energy, and*

1 *digital sectors, that the United States is supporting or*
2 *will support through financing, foreign assistance,*
3 *technical assistance, or other means;*

4 (2) *a detailed explanation of the United States*
5 *and partner country interests served by the United*
6 *States providing support to such projects; and*

7 (3) *a detailed description of any support pro-*
8 *vided by other United States allies and partners to*
9 *such projects.*

10 (d) *FORM OF REPORT.*—*The report required by sub-*
11 *section (a) shall be submitted in unclassified form but may*
12 *include a classified annex.*

13 **SEC. 3114. INFRASTRUCTURE TRANSACTION AND ASSIST-**
14 **ANCE NETWORK.**

15 (a) *AUTHORITY.*—*The Secretary of State is authorized*
16 *to establish an initiative, to be known as the “Infrastructure*
17 *Transaction and Assistance Network”, under which the Sec-*
18 *retary of State, in consultation with other relevant Federal*
19 *agencies, including those represented on the Global Infra-*
20 *structure Coordinating Committee, may carry out various*
21 *programs to advance the development of sustainable, trans-*
22 *parent, and high-quality infrastructure in the Indo-Pacific*
23 *region by—*

24 (1) *strengthening capacity-building programs to*
25 *improve project evaluation processes, regulatory and*

1 *procurement environments, and project preparation*
2 *capacity of countries that are partners of the United*
3 *States in such development;*

4 (2) *providing transaction advisory services and*
5 *project preparation assistance to support sustainable*
6 *infrastructure; and*

7 (3) *coordinating the provision of United States*
8 *assistance for the development of infrastructure, in-*
9 *cluding infrastructure that utilizes United States-*
10 *manufactured goods and services, and catalyzing in-*
11 *vestment led by the private sector.*

12 (b) *TRANSACTION ADVISORY FUND.—As part of the*
13 *“Infrastructure Transaction and Assistance Network” de-*
14 *scribed under subsection (a), the Secretary of State is au-*
15 *thorized to provide support, including through the Trans-*
16 *action Advisory Fund, for advisory services to help boost*
17 *the capacity of partner countries to evaluate contracts and*
18 *assess the financial and environmental impacts of potential*
19 *infrastructure projects, including through providing serv-*
20 *ices such as—*

21 (1) *legal services;*

22 (2) *project preparation and feasibility studies;*

23 (3) *debt sustainability analyses;*

24 (4) *bid or proposal evaluation; and*

1 (5) *other services relevant to advancing the devel-*
2 *opment of sustainable, transparent, and high-quality*
3 *infrastructure.*

4 (c) *STRATEGIC INFRASTRUCTURE FUND.—*

5 (1) *IN GENERAL.—As part of the “Infrastructure*
6 *Transaction and Assistance Network” described under*
7 *subsection (a), the Secretary of State is authorized to*
8 *provide support, including through the Strategic In-*
9 *frastructure Fund, for technical assistance, project*
10 *preparation, pipeline development, and other infra-*
11 *structure project support.*

12 (2) *JOINT INFRASTRUCTURE PROJECTS.—Funds*
13 *authorized for the Strategic Infrastructure Fund*
14 *should be used in coordination with the Department*
15 *of Defense, the International Development Finance*
16 *Corporation, like-minded donor partners, and multi-*
17 *lateral banks, as appropriate, to support joint infra-*
18 *structure projects in the Indo-Pacific region.*

19 (3) *STRATEGIC INFRASTRUCTURE PROJECTS.—*
20 *Funds authorized for the Strategic Infrastructure*
21 *Fund should be used to support strategic infrastruc-*
22 *ture projects that are in the national security interest*
23 *of the United States and vulnerable to strategic com-*
24 *petitors.*

1 (d) *AUTHORIZATION OF APPROPRIATIONS.*—*There is*
2 *authorized to be appropriated, for each of fiscal years 2022*
3 *to 2026, \$75,000,000 to the Infrastructure Transaction and*
4 *Assistance Network, of which \$20,000,000 is to be provided*
5 *for the Transaction Advisory Fund.*

6 **SEC. 3115. STRATEGY FOR ADVANCED AND RELIABLE EN-**
7 **ERGY INFRASTRUCTURE.**

8 (a) *IN GENERAL.*—*The President shall direct a com-*
9 *prehensive, multi-year, whole of government effort, in con-*
10 *sultation with the private sector, to counter predatory lend-*
11 *ing and financing by the Government of the People’s Repub-*
12 *lic of China, including support to companies incorporated*
13 *in the PRC that engage in such activities, in the energy*
14 *sectors of developing countries.*

15 (b) *POLICY.*—*It is the policy of the United States to—*

16 (1) *regularly evaluate current and forecasted en-*
17 *ergy needs and capacities of developing countries, and*
18 *analyze the presence and involvement of PRC state-*
19 *owned industries and other companies incorporated*
20 *in the PRC, Chinese nationals providing labor, and*
21 *financing of energy projects, including direct financ-*
22 *ing by the PRC government, PRC financial institu-*
23 *tions, or direct state support to state-owned enter-*
24 *prises and other companies incorporated in the PRC;*

1 (2) *pursue strategic support and investment op-*
2 *portunities, and diplomatic engagement on power sec-*
3 *tor reforms, to expand the development and deploy-*
4 *ment of advanced energy technologies in developing*
5 *countries;*

6 (3) *offer financing, loan guarantees, grants, and*
7 *other financial products on terms that advance do-*
8 *mestic economic and local employment opportunities,*
9 *utilize advanced energy technologies, encourage pri-*
10 *vate sector growth, and, when appropriate United*
11 *States equity and sovereign lending products as alter-*
12 *natives to the predatory lending tools offered by Chi-*
13 *nese financial institutions;*

14 (4) *pursue partnerships with likeminded inter-*
15 *national financial and multilateral institutions to le-*
16 *verage investment in advanced energy technologies in*
17 *developing countries; and*

18 (5) *pursue bilateral partnerships focused on the*
19 *cooperative development of advanced energy tech-*
20 *nologies with countries of strategic significance, par-*
21 *ticularly in the Indo-Pacific region, to address the ef-*
22 *fects of energy engagement by the PRC through preda-*
23 *tory lending or other actions that negatively impact*
24 *other countries.*

1 (c) *ADVANCED ENERGY TECHNOLOGIES EXPORTS.*—
2 *Not later than 180 days after the date of the enactment of*
3 *this Act, and annually thereafter for 5 years, the Secretary*
4 *of State, in consultation with the Secretary of Energy, shall*
5 *submit to the appropriate congressional committees a*
6 *United States Government strategy to increase United*
7 *States exports of advanced energy technologies to—*

8 (1) *improve energy security in allied and devel-*
9 *oping countries;*

10 (2) *create open, efficient, rules-based, and trans-*
11 *parent energy markets;*

12 (3) *improve free, fair, and reciprocal energy*
13 *trading relationships; and*

14 (4) *expand access to affordable, reliable energy.*

15 **SEC. 3116. REPORT ON THE PEOPLE'S REPUBLIC OF CHI-**
16 **NA'S INVESTMENTS IN FOREIGN ENERGY DE-**
17 **VELOPMENT.**

18 (a) *IN GENERAL.*—*No later than 180 days after the*
19 *date of the enactment of this Act, and annually thereafter*
20 *for five years, the Administrator of the United States Agen-*
21 *cy for International Development, in consultation with the*
22 *Secretary of State through the Assistant Secretary for En-*
23 *ergy Resources, shall submit to the appropriate congres-*
24 *sional committees a report that—*

1 (1) identifies priority countries for deepening
2 United States engagement on energy matters, in ac-
3 cordance with the economic and national security in-
4 terests of the United States and where deeper energy
5 partnerships are most achievable;

6 (2) describes the involvement of the PRC govern-
7 ment and companies incorporated in the PRC in the
8 development, operation, financing, or ownership of
9 energy generation facilities, transmission infrastruc-
10 ture, or energy resources in the countries identified in
11 paragraph (1);

12 (3) evaluates strategic or security concerns and
13 implications for United States national interests and
14 the interests of the countries identified in paragraph
15 (1), with respect to the PRC's involvement and influ-
16 ence in developing country energy production or
17 transmission; and

18 (4) outlines current and planned efforts by the
19 United States to partner with the countries identified
20 in paragraph (1) on energy matters that support
21 shared interests between the United States and such
22 countries.

23 (b) *PUBLICATION*.—The assessment required in sub-
24 section (a) shall be published on the United States Agency
25 for International Development's website.

1 ***Subtitle C—Digital Technology and***
2 ***Connectivity***

3 ***SEC. 3121. SENSE OF CONGRESS ON DIGITAL TECHNOLOGY***
4 ***ISSUES.***

5 (a) *LEADERSHIP IN INTERNATIONAL STANDARDS SET-*
6 *TING.—It is the sense of Congress that the United States*
7 *must lead in international bodies that set the governance*
8 *norms and rules for critical digitally enabled technologies*
9 *in order to ensure that these technologies operate within a*
10 *free, secure, interoperable, and stable digital domain.*

11 (b) *COUNTERING DIGITAL AUTHORITARIANISM.—It is*
12 *the sense of Congress that the United States, along with al-*
13 *lies and partners, should lead an international effort that*
14 *utilizes all of the economic and diplomatic tools at its dis-*
15 *posal to combat the expanding use of information and com-*
16 *munications technology products and services to surveil, re-*
17 *press, and manipulate populations (also known as “digital*
18 *authoritarianism”).*

19 (c) *NEGOTIATIONS FOR DIGITAL TRADE AGREEMENTS*
20 *OR ARRANGEMENTS.—It is the sense of Congress that the*
21 *United States Trade Representative should negotiate bilat-*
22 *eral and plurilateral agreements or arrangements relating*
23 *to digital goods with the European Union, Japan, Taiwan,*
24 *the member countries of the Five Eyes intelligence-sharing*
25 *alliance, and other nations, as appropriate.*

1 (d) *FREEDOM OF INFORMATION IN THE DIGITAL*
2 *AGE.*—*It is the sense of Congress that the United States*
3 *should lead a global effort to ensure that freedom of infor-*
4 *mation, including the ability to safely consume or publish*
5 *information without fear of undue reprisals, is maintained*
6 *as the digital domain becomes an increasingly integral*
7 *mechanism for communication.*

8 (e) *EFFORTS TO ENSURE TECHNOLOGICAL DEVELOP-*
9 *MENT DOES NOT THREATEN DEMOCRATIC GOVERNANCE OR*
10 *HUMAN RIGHTS.*—*It is the sense of Congress that the*
11 *United States should lead a global effort to develop and*
12 *adopt a set of common principles and standards for critical*
13 *technologies to ensure that the use of such technologies can-*
14 *not be abused by malign actors, whether they are govern-*
15 *ments or other entities, and that they do not threaten demo-*
16 *cratic governance or human rights.*

17 (f) *FORMATION OF DIGITAL TECHNOLOGY TRADE AL-*
18 *LIANCE.*—*It is the sense of Congress that the United States*
19 *should examine opportunities for diplomatic negotiations*
20 *regarding the formation of mutually beneficial alliances re-*
21 *lating to digitally-enabled technologies and services.*

22 **SEC. 3122. DIGITAL CONNECTIVITY AND CYBERSECURITY**
23 **PARTNERSHIP.**

24 (a) *DIGITAL CONNECTIVITY AND CYBERSECURITY*
25 *PARTNERSHIP.*—*The Secretary of State is authorized to es-*

1 *establish a program, to be known as the “Digital Connectivity*
2 *and Cybersecurity Partnership” to help foreign countries—*

3 *(1) expand and increase secure Internet access*
4 *and digital infrastructure in emerging markets;*

5 *(2) protect technological assets, including data;*

6 *(3) adopt policies and regulatory positions that*
7 *foster and encourage open, interoperable, reliable, and*
8 *secure internet, the free flow of data, multi-stakeholder*
9 *models of internet governance, and pro-competitive*
10 *and secure information and communications tech-*
11 *nology (ICT) policies and regulations;*

12 *(4) promote exports of United States ICT goods*
13 *and services and increase United States company*
14 *market share in target markets;*

15 *(5) promote the diversification of ICT goods and*
16 *supply chain services to be less reliant on PRC im-*
17 *ports; and*

18 *(6) build cybersecurity capacity, expand inter-*
19 *operability, and promote best practices for a national*
20 *approach to cybersecurity.*

21 *(b) IMPLEMENTATION PLAN.—Not later than 180 days*
22 *after the date of the enactment of this Act, the Secretary*
23 *of State shall submit to the appropriate committees of Con-*
24 *gress an implementation plan for the coming year to ad-*
25 *vance the goals identified in subsection (a).*

1 (c) *CONSULTATION.*—*In developing the action plan re-*
2 *quired by subsection (b), the Secretary of State shall consult*
3 *with—*

4 (1) *the appropriate congressional committees;*

5 (2) *leaders of the United States industry;*

6 (3) *other relevant technology experts, including*
7 *the Open Technology Fund;*

8 (4) *representatives from relevant United States*
9 *Government agencies; and*

10 (5) *representatives from like-minded allies and*
11 *partners.*

12 (d) *SEMIANNUAL BRIEFING REQUIREMENT.*—*Not later*
13 *than 180 days after the date of the enactment of this Act,*
14 *and annually thereafter for 5 years, the Secretary of State*
15 *shall provide the appropriate congressional committees a*
16 *briefing on the implementation of the plan required by sub-*
17 *section (b).*

18 (e) *AUTHORIZATION OF APPROPRIATIONS.*—*There is*
19 *authorized to be appropriated \$100,000,000 for each of fis-*
20 *cal years 2022 through 2026 to carry out this section.*

21 **SEC. 3123. STRATEGY FOR DIGITAL INVESTMENT BY**
22 **UNITED STATES INTERNATIONAL DEVELOP-**
23 **MENT FINANCE CORPORATION.**

24 (a) *IN GENERAL.*—*Not later than one year after the*
25 *date of the enactment of this Act, the United States Inter-*

1 *national Development Finance Corporation, in consulta-*
2 *tion with the Administrator of the United States Agency*
3 *for International Development, shall submit to the appro-*
4 *priate congressional committees a strategy for support of*
5 *private sector digital investment that—*

6 (1) *includes support for information-connectivity*
7 *projects, including projects relating to telecommuni-*
8 *cations equipment, mobile payments, smart cities,*
9 *and undersea cables;*

10 (2) *in providing such support, prioritizes private*
11 *sector projects—*

12 (A) *of strategic value to the United States;*

13 (B) *of mutual strategic value to the United*
14 *States and allies and partners of the United*
15 *States; and*

16 (C) *that will advance broader development*
17 *priorities of the United States;*

18 (3) *helps to bridge the digital gap in less devel-*
19 *oped countries and among women and minority com-*
20 *munities within those countries;*

21 (4) *facilitates coordination, where appropriate,*
22 *with multilateral development banks and development*
23 *finance institutions of other countries with respect to*
24 *projects described in paragraph (1), including*

1 *through the provision of co-financing and co-guaran-*
2 *tees; and*

3 *(5) identifies the human and financial resources*
4 *available to dedicate to such projects and assesses any*
5 *constraints to implementing such projects.*

6 *(b) LIMITATION.—*

7 *(1) IN GENERAL.—The Corporation may not*
8 *provide support for projects in which entities de-*
9 *scribed in paragraph (2) participate.*

10 *(2) ENTITIES DESCRIBED.—An entity described*
11 *in this subparagraph is an entity based in, or owned*
12 *or controlled by the government of, a country, includ-*
13 *ing the People’s Republic of China, that does not pro-*
14 *tect internet freedom of expression and privacy.*

15 ***Subtitle D—Countering Chinese***
16 ***Communist Party Malign Influence***

17 ***SEC. 3131. SHORT TITLE.***

18 *This subtitle may be cited as the “Countering Chinese*
19 *Communist Party Malign Influence Act”.*

20 ***SEC. 3132. AUTHORIZATION OF APPROPRIATIONS FOR***
21 ***COUNTERING CHINESE INFLUENCE FUND.***

22 *(a) COUNTERING CHINESE INFLUENCE FUND.—There*
23 *is authorized to be appropriated \$300,000,000 for each of*
24 *fiscal years 2022 through 2026 for the Countering Chinese*
25 *Influence Fund to counter the malign influence of the Chi-*

1 *nese Communist Party globally. Amounts appropriated*
2 *pursuant to this authorization are authorized to remain*
3 *available until expended and shall be in addition to*
4 *amounts otherwise authorized to be appropriated to counter*
5 *such influence.*

6 (b) *CONSULTATION REQUIRED.—The obligation of*
7 *funds appropriated or otherwise made available to counter*
8 *the malign influence of the Chinese Communist Party glob-*
9 *ally shall be subject to prior consultation with, and con-*
10 *sistent with section 634A of the Foreign Assistance Act of*
11 *1961 (22 U.S.C. 2394–1), the regular notification proce-*
12 *dures of—*

13 (1) *the Committee on Foreign Relations and the*
14 *Committee on Appropriations of the Senate; and*

15 (2) *the Committee on Foreign Affairs and the*
16 *Committee on Appropriations of the House of Rep-*
17 *resentatives.*

18 (c) *POLICY GUIDANCE, COORDINATION, AND AP-*
19 *PROVAL.—*

20 (1) *COORDINATOR.—The Secretary of State shall*
21 *designate an existing senior official of the Department*
22 *at the rank of Assistant Secretary or above to provide*
23 *policy guidance, coordination, and approval for the*
24 *obligation of funds authorized pursuant to subsection*

25 (a).

1 (2) *DUTIES.*—*The senior official designated pur-*
2 *suant to paragraph (1) shall be responsible for—*

3 (A) *on an annual basis, the identification of*
4 *specific strategic priorities for using the funds*
5 *authorized to be appropriated by subsection (a),*
6 *such as geographic areas of focus or functional*
7 *categories of programming that funds are to be*
8 *concentrated within, consistent with the national*
9 *interests of the United States and the purposes*
10 *of this division;*

11 (B) *the coordination and approval of all*
12 *programming conducted using the funds author-*
13 *ized to be appropriated by subsection (a), based*
14 *on a determination that such programming di-*
15 *rectly counters the malign influence of the Chi-*
16 *nese Communist Party, including specific activi-*
17 *ties or policies advanced by the Chinese Com-*
18 *munist Party, pursuant to the strategic objec-*
19 *tives of the United States, as established in the*
20 *2017 National Security Strategy, the 2018 Na-*
21 *tional Defense Strategy, and other relevant na-*
22 *tional and regional strategies as appropriate;*

23 (C) *ensuring that all programming ap-*
24 *proved bears a sufficiently direct nexus to such*
25 *acts by the Chinese Communist Party described*

1 *in subsection (d) and adheres to the requirements*
2 *outlined in subsection (e); and*

3 *(D) conducting oversight, monitoring, and*
4 *evaluation of the effectiveness of all program-*
5 *ming conducted using the funds authorized to be*
6 *appropriated by subsection (a) to ensure that it*
7 *advances United States interests and degrades*
8 *the ability of the Chinese Communist Party, to*
9 *advance activities that align with subsection (d)*
10 *of this section.*

11 *(3) INTERAGENCY COORDINATION.—The senior*
12 *official designated pursuant to paragraph (1) shall,*
13 *in coordinating and approving programming pursu-*
14 *ant to paragraph (2), seek to—*

15 *(A) conduct appropriate interagency con-*
16 *sultation; and*

17 *(B) ensure, to the maximum extent prac-*
18 *ticable, that all approved programming functions*
19 *in concert with other Federal activities to*
20 *counter the malign influence and activities of the*
21 *Chinese Communist Party.*

22 *(4) ASSISTANT COORDINATOR.—The Adminis-*
23 *trator of the United States Agency for International*
24 *Development shall designate a senior official at the*
25 *rank of Assistant Administrator or above to assist*

1 *and consult with the senior official designated pursu-*
2 *ant to paragraph (1).*

3 *(d) MALIGN INFLUENCE.—In this section, the term*
4 *“malign influence” with respect to the Chinese Communist*
5 *Party should be construed to include acts conducted by the*
6 *Chinese Communist Party or entities acting on its behalf*
7 *that—*

8 *(1) undermine a free and open international*
9 *order;*

10 *(2) advance an alternative, repressive inter-*
11 *national order that bolsters the Chinese Communist*
12 *Party’s hegemonic ambitions and is characterized by*
13 *coercion and dependency;*

14 *(3) undermine the national security or sov-*
15 *ereignty of the United States or other countries; or*

16 *(4) undermine the economic security of the*
17 *United States or other countries, including by pro-*
18 *moting corruption.*

19 *(e) COUNTERING MALIGN INFLUENCE.—In this sec-*
20 *tion, countering malign influence through the use of funds*
21 *authorized to be appropriated by subsection (a) shall in-*
22 *clude efforts to—*

23 *(1) promote transparency and accountability,*
24 *and reduce corruption, including in governance struc-*

1 *tures targeted by the malign influence of the Chinese*
2 *Communist Party;*

3 *(2) support civil society and independent media*
4 *to raise awareness of and increase transparency re-*
5 *garding the negative impact of activities related to*
6 *the Belt and Road Initiative and associated initia-*
7 *tives;*

8 *(3) counter transnational criminal networks that*
9 *benefit, or benefit from, the malign influence of the*
10 *Chinese Communist Party;*

11 *(4) encourage economic development structures*
12 *that help protect against predatory lending schemes,*
13 *including support for market-based alternatives in*
14 *key economic sectors, such as digital economy, energy,*
15 *and infrastructure;*

16 *(5) counter activities that provide undue influ-*
17 *ence to the security forces of the People's Republic of*
18 *China;*

19 *(6) expose misinformation and disinformation of*
20 *the Chinese Communist Party's propaganda, includ-*
21 *ing through programs carried out by the Global En-*
22 *gagement Center; and*

23 *(7) counter efforts by the Chinese Communist*
24 *Party to legitimize or promote authoritarian ideology*
25 *and governance models.*

1 **SEC. 3133. FINDINGS ON CHINESE INFORMATION WARFARE**
2 **AND MALIGN INFLUENCE OPERATIONS.**

3 (a) *FINDINGS.*—Congress makes the following findings:

4 (1) *In the report to Congress required under sec-*
5 *tion 1261(b) of the John S. McCain National Defense*
6 *Authorization Act for Fiscal Year 2019 (Public Law*
7 *115–232), the President laid out a broad range of ma-*
8 *lign activities conducted by the Government of the*
9 *People’s Republic of China and its agents and enti-*
10 *ties, including—*

11 (A) *propaganda and disinformation, in*
12 *which “Beijing communicates its narrative*
13 *through state-run television, print, radio, and*
14 *online organizations whose presence is prolifer-*
15 *ating in the United States and around the*
16 *world”;*

17 (B) *malign political influence operations,*
18 *particularly “front organizations and agents*
19 *which target businesses, universities, think tanks,*
20 *scholars, journalists, and local state and Federal*
21 *officials in the United States and around the*
22 *world, attempting to influence discourse”;* and

23 (C) *malign financial influence operations,*
24 *characterized as the “misappropriation of tech-*
25 *nology and intellectual property, failure to ap-*
26 *propriately disclose relationships with foreign*

1 *government sponsored entities, breaches of con-*
2 *tract and confidentiality, and manipulation of*
3 *processes for fair and merit-based allocation of*
4 *Federal research and development funding”.*

5 *(2) Chinese information warfare and malign in-*
6 *fluence operations are ongoing. In January 2019,*
7 *then-Director of National Intelligence, Dan Coats,*
8 *stated, “China will continue to use legal, political,*
9 *and economic levers—such as the lure of Chinese mar-*
10 *kets—to shape the information environment. It is also*
11 *capable of using cyber attacks against systems in the*
12 *United States to censor or suppress viewpoints it*
13 *deems politically sensitive.”.*

14 *(3) In February 2020, then-Director of the Fed-*
15 *eral Bureau of Investigation, Christopher Wray, testi-*
16 *fied to the Committee on the Judiciary of the House*
17 *of Representatives that the People’s Republic of China*
18 *has “very active [malign] foreign influence efforts in*
19 *this country,” with the goal of “trying to shift our*
20 *policy and our public opinion to be more pro-China*
21 *on a variety of issues”.*

22 *(4) The PRC’s information warfare and malign*
23 *influence operations continue to adopt new tactics*
24 *and evolve in sophistication. In May 2020, then-Spe-*
25 *cial Envoy and Coordinator of the Global Engage-*

1 *ment Center (GEC), Lea Gabrielle, stated that there*
2 *was a convergence of Russian and Chinese narratives*
3 *surrounding COVID–19 and that the GEC had “un-*
4 *covered a new network of inauthentic Twitter ac-*
5 *counts” that it assessed was “created with the intent*
6 *to amplify Chinese propaganda and disinformation”.*
7 *In June 2020, Google reported that Chinese hackers*
8 *attempted to access email accounts of the campaign*
9 *staff of a presidential candidate.*

10 *(5) Chinese information warfare and malign in-*
11 *fluence operations are a threat to the national secu-*
12 *rity, democracy, and economic systems of the United*
13 *States and its allies and partners. In October 2018,*
14 *Vice President Michael R. Pence warned that “Bei-*
15 *jing is employing a whole-of-government approach,*
16 *using political, economic, and military tools, as well*
17 *as propaganda, to advance its influence and benefit*
18 *its interests in the United States.”.*

19 *(6) In February 2018, then-Director of the Fed-*
20 *eral Bureau of Investigation, Christopher Wray, testi-*
21 *fied to the Select Committee on Intelligence of the*
22 *Senate that the People’s Republic of China is taking*
23 *advantage of and exploiting the open research and de-*
24 *velopment environments of United States institutions*
25 *of higher education to utilize “professors, scientists*

1 *and students” as “nontraditional collectors” of infor-*
2 *mation.*

3 *(b) PRESIDENTIAL DUTIES.—The President shall—*

4 *(1) protect our democratic institutions and proc-*
5 *esses from malign influence from the People’s Repub-*
6 *lic of China and other foreign adversaries; and*

7 *(2) consistent with the policy specified in para-*
8 *graph (1), direct the heads of the appropriate Federal*
9 *departments and agencies to implement Acts of Con-*
10 *gress to counter and deter PRC and other foreign in-*
11 *formation warfare and malign influence operations*
12 *without delay, including—*

13 *(A) section 1043 of the John S. McCain Na-*
14 *tional Defense Authorization Act for Fiscal Year*
15 *2019 (Public Law 115–232), which authorizes a*
16 *coordinator position within the National Secu-*
17 *rity Council for countering malign foreign influ-*
18 *ence operations and campaigns;*

19 *(B) section 228 of the National Defense Au-*
20 *thorization Act for Fiscal Year 2020 (Public*
21 *Law 116–92), which authorizes additional re-*
22 *search of foreign malign influence operations on*
23 *social media platforms;*

24 *(C) section 847 of such Act, which requires*
25 *the Secretary of Defense to modify contracting*

1 regulations regarding vetting for foreign owner-
2 ship, control and influence in order to mitigate
3 risks from malign foreign influence;

4 (D) section 1239 of such Act, which requires
5 an update of the comprehensive strategy to
6 counter the threat of malign influence to include
7 the People's Republic of China;

8 (E) section 5323 of such Act, which author-
9 izes the Director of National Intelligence to fa-
10 cilitate the establishment of Social Media Data
11 and Threat Analysis Center to detect and study
12 information warfare and malign influence oper-
13 ations across social media platforms; and

14 (F) section 119C of the National Security
15 Act of 1947 (50 U.S.C. 3059), which authorizes
16 the establishment of a Foreign Malign Influence
17 Response Center inside the Office of the Director
18 of National Intelligence.

19 **SEC. 3134. AUTHORIZATION OF APPROPRIATIONS FOR THE**
20 **FULBRIGHT-HAYS PROGRAM.**

21 There are authorized to be appropriated, for the 5-year
22 period beginning on October 1, 2021, \$105,500,000, to pro-
23 mote education, training, research, and foreign language
24 skills through the Fulbright-Hays Program, in accordance

1 *with section 102(b) of the Mutual Educational and Cultural*
2 *Exchange Act of 1961 (22 U.S.C. 2452(b)).*

3 **SEC. 3135. SENSE OF CONGRESS CONDEMNING ANTI-ASIAN**
4 **RACISM AND DISCRIMINATION.**

5 *(a) FINDINGS.—Congress makes the following findings:*

6 *(1) Since the onset of the COVID–19 pandemic,*
7 *crimes and discrimination against Asians and those*
8 *of Asian descent have risen dramatically worldwide.*
9 *In May 2020, United Nations Secretary-General An-*
10 *tonio Guterres said “the pandemic continues to un-*
11 *leash a tsunami of hate and xenophobia, scapegoating*
12 *and scare-mongering” and urged governments to “act*
13 *now to strengthen the immunity of our societies*
14 *against the virus of hate”.*

15 *(2) Asian American and Pacific Island (AAPI)*
16 *workers make up a large portion of the essential*
17 *workers on the frontlines of the COVID–19 pandemic,*
18 *making up 8.5 percent of all essential healthcare*
19 *workers in the United States. AAPI workers also*
20 *make up a large share—between 6 percent and 12*
21 *percent based on sector—of the biomedical field.*

22 *(3) The United States Census notes that Ameri-*
23 *cans of Asian descent alone made up nearly 5.9 per-*
24 *cent of the United States population in 2019, and*
25 *that Asian Americans are the fastest-growing racial*

1 *group in the United States, projected to represent 14*
2 *percent of the United States population by 2065.*

3 *(b) SENSE OF CONGRESS.—It is the sense of Congress*
4 *that—*

5 *(1) the reprehensible attacks on people of Asian*
6 *descent and concerning increase in anti-Asian senti-*
7 *ment and racism in the United States and around the*
8 *world have no place in a peaceful, civilized, and toler-*
9 *ant world;*

10 *(2) the United States is a diverse nation with a*
11 *proud tradition of immigration, and the strength and*
12 *vibrancy of the United States is enhanced by the di-*
13 *verse ethnic backgrounds and tolerance of its citizens,*
14 *including Asian Americans and Pacific Islanders;*

15 *(3) the United States Government should encour-*
16 *age other foreign governments to use the official and*
17 *scientific names for the COVID–19 pandemic, as rec-*
18 *ommended by the World Health Organization and the*
19 *Centers for Disease Control and Prevention; and*

20 *(4) the United States Government and other gov-*
21 *ernments around the world must actively oppose rac-*
22 *ism and intolerance, and use all available and appro-*
23 *priate tools to combat the spread of anti-Asian racism*
24 *and discrimination.*

1 **SEC. 3136. SUPPORTING INDEPENDENT MEDIA AND COUN-**
2 **TERING DISINFORMATION.**

3 (a) *FINDINGS.*—Congress makes the following findings:

4 (1) *The PRC is increasing its spending on pub-*
5 *lic diplomacy including influence campaigns, adver-*
6 *tising, and investments into state-sponsored media*
7 *publications outside of the PRC. These include, for ex-*
8 *ample, more than \$10,000,000,000 in foreign direct*
9 *investment in communications infrastructure, plat-*
10 *forms, and properties, as well as bringing journalists*
11 *to the PRC for training programs.*

12 (2) *The PRC, through the Voice of China, the*
13 *United Front Work Department (UFWD), and*
14 *UFWD's many affiliates and proxies, has obtained*
15 *unfettered access to radio, television, and digital dis-*
16 *semination platforms in numerous languages targeted*
17 *at citizens in other regions where the PRC has an in-*
18 *terest in promoting public sentiment in support of the*
19 *Chinese Communist Party and expanding the reach of*
20 *its misleading narratives and propaganda.*

21 (3) *Even in Western democracies, the PRC*
22 *spends extensively on influence operations, such as a*
23 *\$500,000,000 advertising campaign to attract cable*
24 *viewers in Australia and a more than \$20,000,000*
25 *campaign to influence United States public opinion*
26 *via the China Daily newspaper supplement.*

1 (4) *Radio Free Asia* (referred to in this sub-
2 section as “*RFA*”), a private nonprofit multimedia
3 news corporation, which broadcasts in 9 East Asian
4 languages including Mandarin, Uyghur, Cantonese,
5 and Tibetan, has succeeded in its mission to reach
6 audiences in China and in the Central Asia region
7 despite the Chinese Government’s—

8 (A) efforts to practice “media sovereignty,”
9 which restricts access to the free press within
10 China; and

11 (B) campaign to spread disinformation to
12 countries abroad.

13 (5) *In 2019, RFA’s Uyghur Service alerted the*
14 *world to the human rights abuses of Uyghur and*
15 *other ethnic minorities in China’s Xinjiang Uyghur*
16 *Autonomous Region.*

17 (6) *Gulchehra Hoja, a Uyghur journalist for*
18 *RFA, received the International Women’s Media*
19 *Foundation’s Courage in Journalism Award and a*
20 *2019 Magnitsky Human Rights Award for her cov-*
21 *erage of Xinjiang, while the Chinese Government de-*
22 *tained and harassed Ms. Hoja’s China-based family*
23 *and the families of 7 other RFA journalists in retal-*
24 *iation for their role in exposing abuses.*

1 (7) *In 2019 and 2020, RFA provided widely dis-*
2 *seminated print and digital coverage of the decline in*
3 *freedom in Hong Kong and the student-led protests of*
4 *the extradition law.*

5 (8) *In March 2020, RFA exposed efforts by the*
6 *Chinese Government to underreport the number of fa-*
7 *talities from the novel coronavirus outbreak in Wuhan*
8 *Province, China.*

9 (b) *THE UNITED STATES AGENCY FOR GLOBAL*
10 *MEDIA.—The United States Agency for Global Media*
11 *(USAGM) and affiliate Federal and non-Federal entities*
12 *shall undertake the following actions to support inde-*
13 *pendent journalism, counter disinformation, and combat*
14 *surveillance in countries where the Chinese Communist*
15 *Party and other malign actors are promoting*
16 *disinformation, propaganda, and manipulated media mar-*
17 *kets:*

18 (1) *Radio Free Asia (RFA) shall expand domes-*
19 *tic coverage and digital programming for all RFA*
20 *China services and other affiliate language broad-*
21 *casting services.*

22 (2) *USAGM shall increase funding for RFA’s*
23 *Mandarin, Tibetan, Uyghur, and Cantonese language*
24 *services.*

1 (3) *Voice of America shall establish a real-time*
2 *disinformation tracking tool similar to Polygraph for*
3 *Russian language propaganda and misinformation.*

4 (4) *USAGM shall expand existing training and*
5 *partnership programs that promote journalistic*
6 *standards, investigative reporting, cybersecurity, and*
7 *digital analytics to help expose and counter false CCP*
8 *narratives.*

9 (5) *The Open Technology Fund shall continue*
10 *and expand its work to support tools and technology*
11 *to circumvent censorship and surveillance by the*
12 *CCP, both inside the PRC as well as abroad where the*
13 *PRC has exported censorship technology, and increase*
14 *secure peer-to-peer connectivity and privacy tools.*

15 (6) *Voice of America shall continue and review*
16 *opportunities to expand its mission of providing*
17 *timely, accurate, and reliable news, programming,*
18 *and content about the United States, including news,*
19 *culture, and values.*

20 (7) *The networks and grantees of the United*
21 *States Agency for Global Media shall continue their*
22 *mission of providing credible and timely news cov-*
23 *erage inclusive of the People's Republic of China's ac-*
24 *tivities in Xinjiang, including China's ongoing geno-*
25 *cide and crimes against humanity with respect to*

1 *Uyghurs and other Turkic Muslims, including*
2 *through strategic amplification of Radio Free Asia’s*
3 *coverage, in its news programming in majority-Muslim*
4 *countries.*

5 *(c) AUTHORIZATION OF APPROPRIATIONS.—There is*
6 *authorized to be appropriated, for each of fiscal years 2022*
7 *through 2026 for the United States Agency for Global*
8 *Media, \$100,000,000 for ongoing and new programs to sup-*
9 *port local media, build independent media, combat Chinese*
10 *disinformation inside and outside of China, invest in tech-*
11 *nology to subvert censorship, and monitor and evaluate*
12 *these programs, of which—*

13 *(1) not less than \$70,000,000 shall be directed to*
14 *a grant to Radio Free Asia language services;*

15 *(2) not less than \$20,000,000 shall be used to*
16 *serve populations in China through Mandarin, Can-*
17 *tonese, Uyghur, and Tibetan language services; and*

18 *(3) not less than \$5,500,000 shall be used for dig-*
19 *ital media services—*

20 *(A) to counter propaganda of non-Chinese*
21 *populations in foreign countries; and*

22 *(B) to counter propaganda of Chinese popu-*
23 *lations in China through “Global Mandarin”*
24 *programming.*

25 *(d) REPORTING REQUIREMENT.—*

1 (1) *IN GENERAL.*—Not later than 180 days after
2 the date of the enactment of this Act, and annually
3 thereafter for 5 years, the Chief Executive Office of the
4 United States Agency for Global Media, in consulta-
5 tion with the President of the Open Technology Fund,
6 shall submit a report to the appropriate congressional
7 committees that outlines—

8 (A) the amount of funding appropriated
9 pursuant to subsection (c) that was provided to
10 the Open Technology Fund for purposes of cir-
11 cumventing Chinese Communist Party censor-
12 ship of the internet within the borders of the Peo-
13 ple’s Republic of China;

14 (B) the progress that has been made in de-
15 veloping the technology referred to in subpara-
16 graph (A), including an assessment of whether
17 the funding provided was sufficient to achieve
18 meaningful penetration of People’s Republic of
19 China’s censors; and

20 (C) the impact of Open Technology Fund
21 tools on piercing Chinese Communist Party
22 internet censorship efforts, including the metrics
23 used to measure that impact and the trajectory
24 of that impact over the previous 5 years.

1 (2) *FORM OF REPORT.*—*The report required*
2 *under paragraph (1) shall be submitted in unclassi-*
3 *fied form, but may include a classified annex.*

4 (e) *SUPPORT FOR LOCAL MEDIA.*—*The Secretary of*
5 *State, acting through the Assistant Secretary of State for*
6 *Democracy, Human Rights, and Labor and in coordination*
7 *with the Administrator of the United States Agency for*
8 *International Development, shall support and train jour-*
9 *nalists on investigative techniques necessary to ensure pub-*
10 *lic accountability related to the Belt and Road Initiative,*
11 *the PRC’s surveillance and digital export of technology, and*
12 *other influence operations abroad direct or directly sup-*
13 *ported by the Communist Party or the Chinese government.*

14 (f) *INTERNET FREEDOM PROGRAMS.*—*The Bureau of*
15 *Democracy, Human Rights, and Labor shall continue to*
16 *support internet freedom programs.*

17 (g) *AUTHORIZATION OF APPROPRIATIONS.*—*There is*
18 *authorized to be appropriated to the Department of State,*
19 *for each of fiscal years 2022 through 2026, \$170,000,000*
20 *for ongoing and new programs in support of press freedom,*
21 *training, and protection of journalists.*

22 **SEC. 3137. GLOBAL ENGAGEMENT CENTER.**

23 (a) *FINDING.*—*Congress established the Global Engage-*
24 *ment Center to “direct, lead, and coordinate efforts” of the*
25 *Federal Government to “recognize, understand, expose, and*

1 *counter foreign state and non-state propaganda and*
2 *disinformation globally”.*

3 (b) *EXTENSION.*—*Section 1287(j) of the National De-*
4 *fense Authorization Act for Fiscal Year 2017 (22 U.S.C.*
5 *2656 note) is amended by striking “the date that is 8 years*
6 *after the date of the enactment of this Act” and inserting*
7 *“December 31, 2027”.*

8 (c) *SENSE OF CONGRESS.*—*It is the sense of Congress*
9 *that the Global Engagement Center should expand its co-*
10 *ordinating capacity through the exchange of liaison officers*
11 *with Federal departments and agencies that manage aspects*
12 *of identifying and countering foreign disinformation, in-*
13 *cluding the National Counterterrorism Center at the Office*
14 *of the Director of National Intelligence and from combatant*
15 *commands.*

16 (d) *HIRING AUTHORITY.*—*Notwithstanding any other*
17 *provision of law, the Secretary of State, during the five year*
18 *period beginning on the date of the enactment of this Act*
19 *and solely to carry out functions of the Global Engagement*
20 *Center, may—*

21 (1) *appoint employees without regard to the pro-*
22 *visions of title 5, United States Code, regarding ap-*
23 *pointments in the competitive service; and*

24 (2) *fix the basic compensation of such employees*
25 *without regard to chapter 51 and subchapter III of*

1 *after the date of the enactment of the China*
2 *Strategic Competition Act of 2021.”;*

3 *(B) in subparagraph (B), by adding at the*
4 *end the following:*

5 *“(vi) Any gift to an institution of*
6 *higher education from a foreign person, or*
7 *the entry into a contract by such an institu-*
8 *tion with a foreign person, if—*

9 *“(I)(aa) the value of the gift or*
10 *contract equals or exceeds \$1,000,000;*
11 *or*

12 *“(bb) the institution receives, di-*
13 *rectly or indirectly, more than one gift*
14 *from or enters into more than one con-*
15 *tract, directly or indirectly, with the*
16 *same foreign person for the same pur-*
17 *pose the aggregate value of which, dur-*
18 *ing the period of 2 consecutive cal-*
19 *endar years, equals or exceeds*
20 *\$1,000,000; and*

21 *“(II) the gift or contract—*

22 *“(aa) relates to research, de-*
23 *velopment, or production of crit-*
24 *ical technologies and provides the*
25 *foreign person potential access to*

1 any material nonpublic technical
 2 information (as defined in sub-
 3 paragraph (D)(ii)) in the posses-
 4 sion of the institution; or

5 “(bb) is a restricted or condi-
 6 tional gift or contract (as defined
 7 in section 117(h) of the Higher
 8 Education Act of 1965 (20 U.S.C.
 9 1011f(h))) that establishes con-
 10 trol.”; and

11 (C) by adding at the end the following:

12 “(G) FOREIGN GIFTS TO AND CONTRACTS
 13 WITH INSTITUTIONS OF HIGHER EDUCATION.—
 14 For purposes of subparagraph (B)(vi):

15 “(i) CONTRACT.—The term ‘contract’
 16 means any agreement for the acquisition by
 17 purchase, lease, or barter of property or
 18 services by a foreign person, for the direct
 19 benefit or use of either of the parties.

20 “(ii) GIFT.—The term ‘gift’ means any
 21 gift of money or property.

22 “(iii) INSTITUTION OF HIGHER EDU-
 23 CATION.—The term ‘institution of higher
 24 education’ means any institution, public or
 25 private, or, if a multicampus institution,

1 *any single campus of such institution, in*
2 *any State—*

3 “(I) *that is legally authorized*
4 *within such State to provide a pro-*
5 *gram of education beyond secondary*
6 *school;*

7 “(II) *that provides a program for*
8 *which the institution awards a bach-*
9 *elor’s degree (or provides not less than*
10 *a 2-year program which is acceptable*
11 *for full credit toward such a degree) or*
12 *a more advanced degree;*

13 “(III) *that is accredited by a na-*
14 *tionally recognized accrediting agency*
15 *or association; and*

16 “(IV) *to which the Federal Gov-*
17 *ernment extends Federal financial as-*
18 *sistance (directly or indirectly through*
19 *another entity or person), or that re-*
20 *ceives support from the extension of*
21 *Federal financial assistance to any of*
22 *the institution’s subunits.”.*

23 (2) *MANDATORY DECLARATIONS.—Subsection*
24 *(b)(1)(C)(v)(IV)(aa) of such section is amended by*
25 *adding at the end the following: “Such regulations*

1 shall require a declaration under this subclause with
2 respect to a covered transaction described in sub-
3 section (a)(4)(B)(vi)(II)(aa).”.

4 (3) *FACTORS TO BE CONSIDERED.*—Subsection
5 (f) of such section is amended—

6 (A) in paragraph (10), by striking “; and”
7 and inserting a semicolon;

8 (B) by redesignating paragraph (11) as
9 paragraph (12); and

10 (C) by inserting after paragraph (10) the
11 following:

12 “(11) as appropriate, and particularly with re-
13 spect to covered transactions described in subsection
14 (a)(4)(B)(vi), the importance of academic freedom at
15 institutions of higher education in the United States;
16 and”.

17 (4) *MEMBERSHIP OF CFIUS.*—Subsection (k) of
18 such section is amended—

19 (A) in paragraph (2)—

20 (i) by redesignating subparagraphs
21 (H), (I), and (J) as subparagraphs (I), (J),
22 and (K), respectively; and

23 (ii) by inserting after subparagraph
24 (G) the following:

1 “(H) *In the case of a covered transaction*
2 *involving an institution of higher education (as*
3 *defined in subsection (a)(4)(G)), the Secretary of*
4 *Education.*”; and

5 (B) *by adding at the end the following:*

6 “(8) *INCLUSION OF OTHER AGENCIES ON COM-*
7 *MITTEE.—In considering including on the Committee*
8 *under paragraph (2)(K) the heads of other executive*
9 *departments, agencies, or offices, the President shall*
10 *give due consideration to the heads of relevant re-*
11 *search and science agencies, departments, and offices,*
12 *including the Secretary of Health and Human Serv-*
13 *ices, the Director of the National Institutes of Health,*
14 *and the Director of the National Science Founda-*
15 *tion.*”.

16 (5) *CONTENTS OF ANNUAL REPORT RELATING TO*
17 *CRITICAL TECHNOLOGIES.—Subsection (m)(3) of such*
18 *section is amended—*

19 (A) *in subparagraph (B), by striking “;*
20 *and” and inserting a semicolon;*

21 (B) *in subparagraph (C), by striking the*
22 *period at the end and inserting a semicolon; and*

23 (C) *by adding at the end the following:*

24 “(D) *an evaluation of whether there are for-*
25 *eign malign influence or espionage activities di-*

1 *rected or directly assisted by foreign governments*
2 *against institutions of higher education (as de-*
3 *defined in subsection (a)(4)(G)) aimed at obtain-*
4 *ing research and development methods or secrets*
5 *related to critical technologies; and*

6 *“(E) an evaluation of, and recommendation*
7 *for any changes to, reviews conducted under this*
8 *section that relate to institutions of higher edu-*
9 *cation, based on an analysis of disclosure reports*
10 *submitted to the chairperson under section*
11 *117(a) of the Higher Education Act of 1965 (20*
12 *U.S.C. 1011f(a)).”.*

13 ***(b) INCLUSION OF CFIUS IN REPORTING ON FOREIGN***
14 ***GIFTS UNDER HIGHER EDUCATION ACT OF 1965.—Section***
15 ***117 of the Higher Education Act of 1965 (20 U.S.C. 1011f)***
16 ***is amended—***

17 ***(1) in subsection (a), by inserting after “the Sec-***
18 ***retary” the following: “and the Secretary of the***
19 ***Treasury (in the capacity of the Secretary as the***
20 ***chairperson of the Committee on Foreign Investment***
21 ***in the United States under section 721(k)(3) of the***
22 ***Defense Production Act of 1950 (50 U.S.C.***
23 ***4565(k)(3))”;*** and

24 ***(2) in subsection (d)—***

25 ***(A) in paragraph (1)—***

1 (i) by striking “with the Secretary”
2 and inserting “with the Secretary and the
3 Secretary of the Treasury”; and

4 (ii) by striking “to the Secretary” and
5 inserting “to each such Secretary”; and

6 (B) in paragraph (2), by striking “with the
7 Secretary” and inserting “with the Secretary
8 and the Secretary of the Treasury”.

9 (c) *EFFECTIVE DATE; APPLICABILITY.*—The amend-
10 ments made by subsection (a) shall—

11 (1) take effect on the date of the enactment of
12 this Act, subject to the requirements of subsections (d)
13 and (e); and

14 (2) apply with respect to any covered trans-
15 action the review or investigation of which is initi-
16 ated under section 721 of the Defense Production Act
17 of 1950 on or after the date that is 30 days after the
18 publication in the Federal Register of the notice re-
19 quired under subsection (e)(2).

20 (d) *REGULATIONS.*—

21 (1) *IN GENERAL.*—The Committee on Foreign
22 Investment in the United States (in this section re-
23 ferred to as the “Committee”), which shall include the
24 Secretary of Education for purposes of this subsection,
25 shall prescribe regulations as necessary and appro-

1 *priate to implement the amendments made by sub-*
2 *section (a).*

3 (2) *ELEMENTS.*—*The regulations prescribed*
4 *under paragraph (1) shall include—*

5 (A) *regulations accounting for the burden*
6 *on institutions of higher education likely to re-*
7 *sult from compliance with the amendments made*
8 *by subsection (a), including structuring penalties*
9 *and filing fees to reduce such burdens, shortening*
10 *timelines for reviews and investigations, allow-*
11 *ing for simplified and streamlined declaration*
12 *and notice requirements, and implementing any*
13 *procedures necessary to protect academic free-*
14 *dom; and*

15 (B) *guidance with respect to—*

16 (i) *which gifts and contracts described*
17 *in described in clause (vi)(II)(aa) of sub-*
18 *section (a)(4)(B) of section 721 of the De-*
19 *fense Production Act of 1950, as added by*
20 *subsection (a)(1), would be subject to filing*
21 *mandatory declarations under subsection*
22 *(b)(1)(C)(v)(IV) of that section; and*

23 (ii) *the meaning of “control”, as de-*
24 *finied in subsection (a) of that section, as*
25 *that term applies to covered transactions*

1 *described in clause (vi) of paragraph (4)(B)*
2 *of that section, as added by subsection*
3 *(a)(1).*

4 (3) *ISSUANCE OF FINAL RULE.*—*The Committee*
5 *shall issue a final rule to carry out the amendments*
6 *made by subsection (a) after assessing the findings of*
7 *the pilot program required by subsection (e).*

8 (e) *PILOT PROGRAM.*—

9 (1) *IN GENERAL.*—*Beginning on the date that is*
10 *30 days after the publication in the Federal Register*
11 *of the matter required by paragraph (2) and ending*
12 *on the date that is 570 days thereafter, the Committee*
13 *shall conduct a pilot program to assess methods for*
14 *implementing the review of covered transactions de-*
15 *scribed in clause (vi) of section 721(a)(4)(B) of the*
16 *Defense Production Act of 1950, as added by sub-*
17 *section (a)(1).*

18 (2) *PROPOSED DETERMINATION.*—*Not later than*
19 *270 days after the date of the enactment of this Act,*
20 *the Committee shall, in consultation with the Sec-*
21 *retary of Education, publish in the Federal Reg-*
22 *ister—*

23 (A) *a proposed determination of the scope of*
24 *and procedures for the pilot program required by*
25 *paragraph (1);*

1 (B) an assessment of the burden on institu-
2 tions of higher education likely to result from
3 compliance with the pilot program;

4 (C) recommendations for addressing any
5 such burdens, including shortening timelines for
6 reviews and investigations, structuring penalties
7 and filing fees, and simplifying and stream-
8 lining declaration and notice requirements to re-
9 duce such burdens; and

10 (D) any procedures necessary to ensure that
11 the pilot program does not infringe upon aca-
12 demic freedom.

13 (3) *REPORT ON FINDINGS.*—Upon conclusion of
14 the pilot program required by paragraph (1), the
15 Committee shall submit to Congress a report on the
16 findings of that pilot program that includes—

17 (A) a summary of the reviews conducted by
18 the Committee under the pilot program and the
19 outcome of such reviews;

20 (B) an assessment of any additional re-
21 sources required by the Committee to carry out
22 this section or the amendments made by sub-
23 section (a);

24 (C) findings regarding the additional bur-
25 den on institutions of higher education likely to

1 *result from compliance with the amendments*
2 *made by subsection (a) and any additional rec-*
3 *ommended steps to reduce those burdens; and*

4 *(D) any recommendations for Congress to*
5 *consider regarding the scope or procedures de-*
6 *scribed in this section or the amendments made*
7 *by subsection (a).*

8 **SEC. 3139. POST-EMPLOYMENT RESTRICTIONS ON SENATE-**
9 **CONFIRMED OFFICIALS AT THE DEPARTMENT**
10 **OF STATE.**

11 *(a) SENSE OF CONGRESS.—It is the sense of Congress*
12 *that—*

13 *(1) Congress and the executive branch have rec-*
14 *ognized the importance of preventing and mitigating*
15 *the potential for conflicts of interest following govern-*
16 *ment service, including with respect to senior United*
17 *States officials working on behalf of foreign govern-*
18 *ments; and*

19 *(2) Congress and the executive branch should*
20 *jointly evaluate the status and scope of post-employ-*
21 *ment restrictions.*

22 *(b) RESTRICTIONS.—Section 841 of the State Depart-*
23 *ment Basic Authorities Act of 1956 (22 U.S.C. 2651a) is*
24 *amended by adding at the end the following new subsection:*

1 “(i) *EXTENDED POST-EMPLOYMENT RESTRICTIONS*
2 *FOR CERTAIN SENATE-CONFIRMED OFFICIALS.*—

3 “(1) *SECRETARY OF STATE AND DEPUTY SEC-*
4 *RETARY OF STATE.*—*With respect to a person serving*
5 *as the Secretary of State or Deputy Secretary of*
6 *State, the restrictions described in section 207(f)(1) of*
7 *title 18, United States Code, shall apply to rep-*
8 *resenting, aiding, or advising a foreign governmental*
9 *entity before an officer or employee of the executive*
10 *branch of the United States at any time after the ter-*
11 *mination of that person’s service as Secretary or Dep-*
12 *uty Secretary.*

13 “(2) *UNDER SECRETARIES, ASSISTANT SECRE-*
14 *TARIES, AND AMBASSADORS.*—*With respect to a per-*
15 *son serving as an Under Secretary, Assistant Sec-*
16 *retary, or Ambassador at the Department of State or*
17 *the United States Permanent Representative to the*
18 *United Nations, the restrictions described in section*
19 *207(f)(1) of title 18, United States Code, shall apply*
20 *to representing, aiding, or advising a foreign govern-*
21 *mental entity before an officer or employee of the ex-*
22 *ecutive branch of the United States for 3 years after*
23 *the termination of that person’s service in a position*
24 *described in this paragraph, or the duration of the*

1 *term or terms of the President who appointed that*
2 *person to their position, whichever is longer.*

3 “(3) *PENALTIES AND INJUNCTIONS.*—*Any viola-*
4 *tions of the restrictions in paragraphs (1) or (2) shall*
5 *be subject to the penalties and injunctions provided*
6 *for under section 216 of title 18, United States Code.*

7 “(4) *DEFINITIONS.*—*In this subsection:*

8 ““(A) *The term ‘foreign governmental enti-*
9 *ty’ includes any person employed by—*

10 “(i) *any department, agency, or other*
11 *entity of a foreign government at the na-*
12 *tional, regional, or local level;*

13 “(ii) *any governing party or coalition*
14 *of a foreign government at the national, re-*
15 *gional, or local level; or*

16 “(iii) *any entity majority-owned or*
17 *majority-controlled by a foreign government*
18 *at the national, regional, or local level.*

19 “(B) *The term ‘representation’ does not in-*
20 *clude representation by an attorney, who is duly*
21 *licensed and authorized to provide legal advice*
22 *in a United States jurisdiction, of a person or*
23 *entity in a legal capacity or for the purposes of*
24 *rendering legal advice.*

1 “(5) *EFFECTIVE DATE.*—*The restrictions in this*
2 *subsection shall apply only to persons who are ap-*
3 *pointed by the President to the positions referenced in*
4 *this subsection on or after 120 days after the date of*
5 *the enactment of the Strategic Competition Act of*
6 *2021.*

7 “(6) *NOTICE OF RESTRICTIONS.*—*Any person*
8 *subject to the restrictions of this subsection shall be*
9 *provided notice of these restrictions by the Depart-*
10 *ment of State upon appointment by the President,*
11 *and subsequently upon termination of service with the*
12 *Department of State.”.*

13 **SEC. 3140. SENSE OF CONGRESS ON PRIORITIZING NOMINA-**
14 **TION OF QUALIFIED AMBASSADORS TO EN-**
15 **SURE PROPER DIPLOMATIC POSITIONING TO**
16 **COUNTER CHINESE INFLUENCE.**

17 *It is the sense of Congress that it is critically impor-*
18 *tant for the President to nominate qualified ambassadors*
19 *as quickly as possible, especially for countries in Central*
20 *and South America, to ensure that the United States is dip-*
21 *lomatically positioned to counter Chinese influence efforts*
22 *in foreign countries.*

23 **SEC. 3141. CHINA CENSORSHIP MONITOR AND ACTION**
24 **GROUP.**

25 *(a) DEFINITIONS.*—*In this section:*

1 (1) *QUALIFIED RESEARCH ENTITY.*—*The term*
2 “*qualified research entity*” *means an entity that—*

3 (A) *is a nonpartisan research organization*
4 *or a federally funded research and development*
5 *center;*

6 (B) *has appropriate expertise and analyt-*
7 *ical capability to write the report required under*
8 *subsection (c); and*

9 (C) *is free from any financial, commercial,*
10 *or other entanglements, which could undermine*
11 *the independence of such report or create a con-*
12 *flict of interest or the appearance of a conflict of*
13 *interest, with—*

14 (i) *the Government of the People’s Re-*
15 *public of China;*

16 (ii) *the Chinese Communist Party;*

17 (iii) *any company incorporated in the*
18 *People’s Republic of China or a subsidiary*
19 *of such company; or*

20 (iv) *any company or entity incor-*
21 *porated outside of the People’s Republic of*
22 *China that is believed to have a substantial*
23 *financial or commercial interest in the Peo-*
24 *ple’s Republic of China.*

1 (2) *UNITED STATES PERSON.*—*The term “United*
2 *States person” means—*

3 (A) *a United States citizen or an alien law-*
4 *fully admitted for permanent residence to the*
5 *United States; or*

6 (B) *an entity organized under the laws of*
7 *the United States or any jurisdiction within the*
8 *United States, including a foreign branch of*
9 *such an entity.*

10 (b) *CHINA CENSORSHIP MONITOR AND ACTION*
11 *GROUP.*—

12 (1) *IN GENERAL.*—*The President shall establish*
13 *an interagency task force, which shall be known as the*
14 *“China Censorship Monitor and Action Group” (re-*
15 *ferred to in this subsection as the “Task Force”).*

16 (2) *MEMBERSHIP.*—*The President shall—*

17 (A) *appoint the chair of the Task Force*
18 *from among the staff of the National Security*
19 *Council;*

20 (B) *appoint the vice chair of the Task Force*
21 *from among the staff of the National Economic*
22 *Council; and*

23 (C) *direct the head of each of the following*
24 *executive branch agencies to appoint personnel to*
25 *participate in the Task Force:*

- 1 (i) *The Department of State.*
- 2 (ii) *The Department of Commerce.*
- 3 (iii) *The Department of the Treasury.*
- 4 (iv) *The Department of Justice.*
- 5 (v) *The Office of the United States*
- 6 *Trade Representative.*
- 7 (vi) *The Office of the Director of Na-*
- 8 *tional Intelligence, and other appropriate*
- 9 *elements of the intelligence community (as*
- 10 *defined in section 3 of the National Secu-*
- 11 *rity Act of 1947 (50 U.S.C. 3003)).*
- 12 (vii) *The Federal Communications*
- 13 *Commission.*
- 14 (viii) *The United States Agency for*
- 15 *Global Media.*
- 16 (ix) *Other agencies designated by the*
- 17 *President.*

18 (3) *RESPONSIBILITIES.—The Task Force shall—*

19 (A) *oversee the development and execution of*

20 *an integrated Federal Government strategy to*

21 *monitor and address the impacts of efforts di-*

22 *rected, or directly supported, by the Government*

23 *of the People’s Republic of China to censor or in-*

24 *timidate, in the United States or in any of its*

25 *possessions or territories, any United States per-*

1 *son, including United States companies that*
2 *conduct business in the People’s Republic of*
3 *China, which are exercising their right to free-*
4 *dom of speech; and*

5 *(B) submit the strategy developed pursuant*
6 *to subparagraph (A) to the appropriate congress-*
7 *sional committees not later than 120 days after*
8 *the date of the enactment of this Act.*

9 (4) *MEETINGS.*—*The Task Force shall meet not*
10 *less frequently than twice per year.*

11 (5) *CONSULTATIONS.*—*The Task Force should*
12 *regularly consult, to the extent necessary and appro-*
13 *priate, with—*

14 (A) *Federal agencies that are not rep-*
15 *resented on the Task Force;*

16 (B) *independent agencies of the United*
17 *States Government that are not represented on*
18 *the Task Force;*

19 (C) *relevant stakeholders in the private sec-*
20 *tor and the media; and*

21 (D) *relevant stakeholders among United*
22 *States allies and partners facing similar chal-*
23 *lenges related to censorship or intimidation by*
24 *the Government of the People’s Republic of*
25 *China.*

1 (6) *REPORTING REQUIREMENTS.*—

2 (A) *ANNUAL REPORT.*—*The Task Force*
3 *shall submit an annual report to the appropriate*
4 *congressional committees that describes, with re-*
5 *spect to the reporting period—*

6 (i) *the strategic objectives and policies*
7 *pursued by the Task Force to address the*
8 *challenges of censorship and intimidation of*
9 *United States persons while in the United*
10 *States or any of its possessions or terri-*
11 *tories, which is directed or directly sup-*
12 *ported by the Government of the People’s*
13 *Republic of China;*

14 (ii) *the activities conducted by the*
15 *Task Force in support of the strategic objec-*
16 *tives and policies referred to in clause (i);*
17 *and*

18 (iii) *the results of the activities referred*
19 *to in clause (ii) and the impact of such ac-*
20 *tivities on the national interests of the*
21 *United States.*

22 (B) *FORM OF REPORT.*—*Each report sub-*
23 *mitted pursuant to subparagraph (A) shall be*
24 *unclassified, but may include a classified annex.*

1 (C) *CONGRESSIONAL BRIEFINGS.*—Not later
2 than 90 days after the date of the enactment of
3 this Act, and annually thereafter, the Task Force
4 shall provide briefings to the appropriate con-
5 gressional committees regarding the activities of
6 the Task Force to execute the strategy developed
7 pursuant to paragraph (3)(A).

8 (c) *REPORT ON CENSORSHIP AND INTIMIDATION OF*
9 *UNITED STATES PERSONS BY THE GOVERNMENT OF THE*
10 *PEOPLE’S REPUBLIC OF CHINA.*—

11 (1) *REPORT.*—

12 (A) *IN GENERAL.*—Not later than 90 days
13 after the date of the enactment of this Act, the
14 Secretary of State shall select and seek to enter
15 into an agreement with a qualified research enti-
16 ty that is independent of the Department of
17 State to write a report on censorship and in-
18 timidation in the United States and its posses-
19 sions and territories of United States persons,
20 including United States companies that conduct
21 business in the People’s Republic of China, which
22 is directed or directly supported by the Govern-
23 ment of the People’s Republic of China.

24 (B) *MATTERS TO BE INCLUDED.*—The re-
25 port required under subparagraph (A) shall—

1 (i) assess major trends, patterns, and
2 methods of the Government of the People’s
3 Republic of China’s efforts to direct or di-
4 rectly support censorship and intimidation
5 of United States persons, including United
6 States companies that conduct business in
7 the People’s Republic of China, which are
8 exercising their right to freedom of speech;

9 (ii) assess, including through the use of
10 illustrative examples, as appropriate, the
11 impact on and consequences for United
12 States persons, including United States
13 companies that conduct business in the Peo-
14 ple’s Republic of China, that criticize—

15 (I) the Chinese Communist Party;

16 (II) the Government of the Peo-
17 ple’s Republic of China;

18 (III) the authoritarian model of
19 government of the People’s Republic of
20 China; or

21 (IV) a particular policy advanced
22 by the Chinese Communist Party or
23 the Government of the People’s Repub-
24 lic of China;

1 (iii) identify the implications for the
2 United States of the matters described in
3 clauses (i) and (ii);

4 (iv) assess the methods and evaluate
5 the efficacy of the efforts by the Government
6 of the People’s Republic of China to limit
7 freedom of expression in the private sector,
8 including media, social media, film, edu-
9 cation, travel, financial services, sports and
10 entertainment, technology, telecommuni-
11 cation, and internet infrastructure interests;

12 (v) include policy recommendations for
13 the United States Government, including
14 recommendations regarding collaboration
15 with United States allies and partners, to
16 address censorship and intimidation by the
17 Government of the People’s Republic of
18 China; and

19 (vi) include policy recommendations
20 for United States persons, including United
21 States companies that conduct business in
22 China, to address censorship and intima-
23 tion by the Government of the People’s Re-
24 public of China.

1 (C) *APPLICABILITY TO UNITED STATES AL-*
2 *LIES AND PARTNERS.*—*To the extent practicable,*
3 *the report required under subparagraph (A)*
4 *should identify implications and policy rec-*
5 *ommendations that are relevant to United States*
6 *allies and partners facing censorship and intimi-*
7 *dation directed or directly supported by the Gov-*
8 *ernment of the People’s Republic of China.*

9 (2) *SUBMISSION OF REPORT.*—

10 (A) *IN GENERAL.*—*Not later than 1 year*
11 *after the date of the enactment of this Act, the*
12 *Secretary of State shall submit the report writ-*
13 *ten by the qualified research entity selected pur-*
14 *suant to paragraph (1)(A) to the appropriate*
15 *congressional committees.*

16 (B) *PUBLICATION.*—*The report referred to*
17 *in subparagraph (A) shall be made accessible to*
18 *the public online through relevant United States*
19 *Government websites.*

20 (3) *FEDERAL GOVERNMENT SUPPORT.*—*The Sec-*
21 *retary of State and other Federal agencies selected by*
22 *the President shall provide the qualified research enti-*
23 *ty selected pursuant to paragraph (1)(A) with timely*
24 *access to appropriate information, data, resources,*
25 *and analyses necessary for such entity to write the re-*

1 port described in paragraph (1)(A) in a thorough and
2 independent manner.

3 (d) *SUNSET*.—This section shall terminate on the date
4 that is 5 years after the date of the enactment of this Act.

5 **TITLE II—INVESTING IN**
6 **ALLIANCES AND PARTNERSHIPS**
7 **Subtitle A—Strategic and**
8 **Diplomatic Matters**

9 **SEC. 3201. APPROPRIATE COMMITTEES OF CONGRESS DE-**
10 **FINED.**

11 In this subtitle, the term “appropriate committees of
12 Congress” means—

13 (1) the Committee on Foreign Relations and the
14 Committee on Appropriations of the Senate; and

15 (2) the Committee on Foreign Affairs and the
16 Committee on Appropriations of the House of Rep-
17 resentatives.

18 **SEC. 3202. UNITED STATES COMMITMENT AND SUPPORT**
19 **FOR ALLIES AND PARTNERS IN THE INDO-PA-**
20 **CIFIC.**

21 (a) *SENSE OF CONGRESS*.—It is the sense of Congress
22 that—

23 (1) the United States treaty alliances in the
24 Indo-Pacific provide a unique strategic advantage to
25 the United States and are among the Nation’s most

1 *precious assets, enabling the United States to advance*
2 *its vital national interests, defend its territory, ex-*
3 *pend its economy through international trade and*
4 *commerce, establish enduring cooperation among like-*
5 *minded countries, prevent the domination of the Indo-*
6 *Pacific and its surrounding maritime and air lanes*
7 *by a hostile power or powers, and deter potential ag-*
8 *gressors;*

9 *(2) the Governments of the United States, Japan,*
10 *the Republic of Korea, Australia, the Philippines, and*
11 *Thailand are critical allies in advancing a free and*
12 *open order in the Indo-Pacific region and tackling*
13 *challenges with unity of purpose, and have collabo-*
14 *rated to advance specific efforts of shared interest in*
15 *areas such as defense and security, economic pros-*
16 *perity, infrastructure connectivity, and fundamental*
17 *freedoms;*

18 *(3) the United States greatly values other part-*
19 *nerships in the Indo-Pacific region, including with*
20 *India, Singapore, Indonesia, Taiwan, New Zealand,*
21 *and Vietnam as well as regional architecture such as*
22 *the Quad, the Association of Southeast Asian Nations*
23 *(ASEAN), and the Asia-Pacific Economic Commu-*
24 *nity (APEC), which are essential to further shared*
25 *interests;*

1 (4) *the security environment in the Indo-Pacific*
2 *demands consistent United States and allied commit-*
3 *ment to strengthening and advancing our alliances so*
4 *that they are postured to meet these challenges, and*
5 *will require sustained political will, concrete partner-*
6 *ships, economic, commercial, and technological co-*
7 *operation, consistent and tangible commitments, high-*
8 *level and extensive consultations on matters of mutual*
9 *interest, mutual and shared cooperation in the acqui-*
10 *sition of key capabilities important to allied defenses,*
11 *and unified mutual support in the face of political,*
12 *economic, or military coercion;*

13 (5) *fissures in the United States alliance rela-*
14 *tionships and partnerships benefit United States ad-*
15 *versaries and weaken collective ability to advance*
16 *shared interests;*

17 (6) *the United States must work with allies to*
18 *prioritize human rights throughout the Indo-Pacific*
19 *region;*

20 (7) *as the report released in August 2020 by the*
21 *Expert Group of the International Military Council*
22 *on Climate and Security (IMCCS), titled “Climate*
23 *and Security in the Indo-Asia Pacific” noted, the*
24 *Indo-Pacific region is one of the regions most vulner-*
25 *able to climate impacts and as former Deputy Under*

1 *Secretary of Defense for Installations and Environ-*
2 *ment Sherri Goodman, Secretary General of IMCCS,*
3 *noted, climate shocks act as a threat multiplier in the*
4 *Indo-Pacific region, increasing humanitarian re-*
5 *sponse costs and impacting security throughout the*
6 *region as sea levels rise, fishing patterns shift, food*
7 *insecurity rises, and storms grow stronger and more*
8 *frequent;*

9 *(8) the United State should continue to engage*
10 *on and deepen cooperation with allies and partners*
11 *of the United States in the Indo-Pacific region, as*
12 *laid out in the Asia Reassurance Initiative Act (Pub-*
13 *lic Law 115–409), in the areas of—*

14 *(A) forecasting environmental challenges;*

15 *(B) assisting with transnational coopera-*
16 *tion on sustainable uses of forest and water re-*
17 *sources with the goal of preserving biodiversity*
18 *and access to safe drinking water;*

19 *(C) fisheries and marine resource conserva-*
20 *tion; and*

21 *(D) meeting environmental challenges and*
22 *developing resilience; and*

23 *(9) the Secretary of State, in coordination with*
24 *the Secretary of Defense and the Administrator of the*
25 *United States Agency for International Development,*

1 *should facilitate a robust interagency Indo-Pacific cli-*
2 *mate resiliency and adaptation strategy focusing on*
3 *internal and external actions needed—*

4 *(A) to facilitate regional early recovery, risk*
5 *reduction, and resilience to weather-related im-*
6 *pacts on strategic interests of the United States*
7 *and partners and allies of the United States in*
8 *the region; and*

9 *(B) to address humanitarian and food secu-*
10 *rity impacts of weather-related changes in the re-*
11 *gion.*

12 *(b) STATEMENT OF POLICY.—It shall be the policy of*
13 *the United States—*

14 *(1) to deepen diplomatic, economic, and security*
15 *cooperation between and among the United States,*
16 *Japan, the Republic of Korea, Australia, the Phil-*
17 *ippines, and Thailand, including through diplomatic*
18 *engagement, regional development, energy security*
19 *and development, scientific and health partnerships,*
20 *educational and cultural exchanges, missile defense,*
21 *intelligence-sharing, space, cyber, and other diplo-*
22 *matic and defense-related initiatives;*

23 *(2) to uphold our multilateral and bilateral trea-*
24 *ty obligations, including—*

1 (A) *defending Japan, including all areas*
2 *under the administration of Japan, under article*
3 *V of the Treaty of Mutual Cooperation and Secu-*
4 *rity Between the United States of America and*
5 *Japan;*

6 (B) *defending the Republic of Korea under*
7 *article III of the Mutual Defense Treaty Between*
8 *the United States and the Republic of Korea;*

9 (C) *defending the Philippines under article*
10 *IV of the Mutual Defense Treaty Between the*
11 *United States and the Republic of the Phil-*
12 *ippines;*

13 (D) *defending Thailand under the 1954 Ma-*
14 *nila Pact and the Thanat-Rusk communique of*
15 *1962; and*

16 (E) *defending Australia under article IV of*
17 *the Australia, New Zealand, United States Secu-*
18 *rity Treaty;*

19 (3) *to strengthen and deepen the United States'*
20 *bilateral and regional partnerships, including with*
21 *India, Taiwan, ASEAN, and New Zealand;*

22 (4) *to cooperate with Japan, the Republic of*
23 *Korea, Australia, the Philippines, and Thailand to*
24 *promote human rights bilaterally and through re-*
25 *gional and multilateral fora and pacts; and*

1 (5) *to strengthen and advance diplomatic, eco-*
2 *nomie, and security cooperation with regional part-*
3 *ners, such as Taiwan, Vietnam, Malaysia, Singapore,*
4 *Indonesia, and India.*

5 **SEC. 3203. SENSE OF CONGRESS ON COOPERATION WITH**
6 **THE QUAD.**

7 *It is the sense of Congress that—*

8 (1) *the United States should reaffirm our com-*
9 *mitment to quadrilateral cooperation among Aus-*
10 *tralia, India, Japan, and the United States (the*
11 *“Quad”) to enhance and implement a shared vision*
12 *to meet shared regional challenges and to promote a*
13 *free, open, inclusive, resilient, and healthy Indo-Pa-*
14 *cific that is characterized by democracy, rule of law,*
15 *and market-driven economic growth, and is free from*
16 *undue influence and coercion;*

17 (2) *the United States should seek to expand sus-*
18 *tained dialogue and cooperation through the Quad*
19 *with a range of partners to support the rule of law,*
20 *freedom of navigation and overflight, peaceful resolu-*
21 *tion of disputes, democratic values, and territorial in-*
22 *tegrity, and to uphold peace and prosperity and*
23 *strengthen democratic resilience;*

24 (3) *the United States should seek to expand ave-*
25 *nues of cooperation with the Quad, including more*

1 *regular military-to-military dialogues, joint exercises,*
2 *and coordinated policies related to shared interests*
3 *such as protecting cyberspace and advancing mari-*
4 *time security;*

5 *(4) the recent pledge from the first-ever Quad*
6 *leaders meeting on March 12, 2021, to respond to the*
7 *economic and health impacts of COVID–19, including*
8 *expanding safe, affordable, and effective vaccine pro-*
9 *duction and equitable access, and to address shared*
10 *challenges, including in cyberspace, critical tech-*
11 *nologies, counterterrorism, quality infrastructure in-*
12 *vestment, and humanitarian assistance and disaster*
13 *relief, as well as maritime domains, further advances*
14 *the important cooperation among Quad nations that*
15 *is so critical to the Indo-Pacific region;*

16 *(5) building upon their partnership to help fi-*
17 *nance 1,000,000,000 or more COVID–19 vaccines by*
18 *the end of 2022 for use in the Indo-Pacific region, the*
19 *United States International Development Finance*
20 *Corporation, the Japan International Cooperation*
21 *Agency, and the Japan Bank for International Co-*
22 *operation, including through partnerships with other*
23 *multilateral development banks, should also venture to*
24 *finance development and infrastructure projects in the*
25 *Indo-Pacific region that are sustainable and offer a*

1 *viable alternative to the investments of the People's*
2 *Republic of China in that region under the Belt and*
3 *Road Initiative;*

4 *(6) in consultation with other Quad countries,*
5 *the President should establish clear deliverables for the*
6 *3 new Quad Working Groups established on March*
7 *12, 2021, which are—*

8 *(A) the Quad Vaccine Experts Working*
9 *Group;*

10 *(B) the Quad Climate Working Group; and*

11 *(C) the Quad Critical and Emerging Tech-*
12 *nology Working Group; and*

13 *(7) the formation of a Quad Intra-Parliamen-*
14 *tary Working Group could—*

15 *(A) sustain and deepen engagement between*
16 *senior officials of the Quad countries on a full*
17 *spectrum of issues; and*

18 *(B) be modeled on the successful and long-*
19 *standing bilateral intra-parliamentary groups*
20 *between the United States and Mexico, Canada,*
21 *and the United Kingdom, as well as other formal*
22 *and informal parliamentary exchanges.*

1 **SEC. 3204. ESTABLISHMENT OF QUAD INTRA-PARLIAMEN-**
2 **TARY WORKING GROUP.**

3 (a) *ESTABLISHMENT.*—Not later than 30 days after
4 the date of the enactment of this Act, the Secretary of State
5 shall seek to enter into negotiations with the governments
6 of Japan, Australia, and India (collectively, with the
7 United States, known as the “Quad”) with the goal of
8 reaching a written agreement to establish a Quad Intra-
9 Parliamentary Working Group for the purpose of acting on
10 the recommendations of the Quad Working Groups de-
11 scribed in section 203(6) and to facilitate closer cooperation
12 on shared interests and values.

13 (b) *UNITED STATES GROUP.*—

14 (1) *IN GENERAL.*—At such time as the govern-
15 ments of the Quad countries enter into a written
16 agreement described in subsection (a), there shall be
17 established a United States Group, which shall rep-
18 resent the United States at the Quad Intra-Par-
19 liamentary Working Group.

20 (2) *MEMBERSHIP.*—

21 (A) *IN GENERAL.*—The United States
22 Group shall be comprised of not more than 24
23 Members of Congress.

24 (B) *APPOINTMENT.*—Of the Members of
25 Congress appointed to the United States Group
26 under subparagraph (A)—

1 (i) *half shall be appointed by the*
2 *Speaker of the House of Representatives*
3 *from among Members of the House, not less*
4 *than 4 of whom shall be members of the*
5 *Committee on Foreign Affairs; and*

6 (ii) *half shall be appointed by the*
7 *President Pro Tempore of the Senate, based*
8 *on recommendations of the majority leader*
9 *and minority leader of the Senate, from*
10 *among Members of the Senate, not less than*
11 *4 of whom shall be members of the Com-*
12 *mittee on Foreign Relations (unless the ma-*
13 *jority leader and minority leader determine*
14 *otherwise).*

15 (3) *MEETINGS.—*

16 (A) *IN GENERAL.—The United States*
17 *Group shall seek to meet not less frequently than*
18 *annually with representatives and appropriate*
19 *staff of the legislatures of Japan, Australia, and*
20 *India, and any other country invited by mutual*
21 *agreement of the Quad countries.*

22 (B) *LIMITATION.—A meeting described in*
23 *subparagraph (A) may be held—*

24 (i) *in the United States;*

- 1 (ii) in another Quad country during
2 periods when Congress is not in session; or
3 (iii) virtually.

4 (4) CHAIRPERSON AND VICE CHAIRPERSON.—

5 (A) HOUSE DELEGATION.—The Speaker of
6 the House of Representatives shall designate the
7 chairperson or vice chairperson of the delegation
8 of the United States Group from the House from
9 among members of the Committee on Foreign Af-
10 fairs.

11 (B) SENATE DELEGATION.—The President
12 Pro Tempore of the Senate shall designate the
13 chairperson or vice chairperson of the delegation
14 of the United States Group from the Senate from
15 among members of the Committee on Foreign
16 Relations.

17 (5) AUTHORIZATION OF APPROPRIATIONS.—

18 (A) IN GENERAL.—There is authorized to be
19 appropriated \$1,000,000 for each of the fiscal
20 years 2022 through 2025 for the United States
21 Group.

22 (B) DISTRIBUTION OF APPROPRIATIONS.—

23 (i) IN GENERAL.—For each fiscal year
24 for which an appropriation is made for the
25 United States Group, half of the amount

1 *appropriated shall be available to the dele-*
2 *gation from the House of Representatives*
3 *and half of the amount shall be available to*
4 *the delegation from the Senate.*

5 *(ii) METHOD OF DISTRIBUTION.—The*
6 *amounts available to the delegations of the*
7 *House of Representatives and the Senate*
8 *under clause (i) shall be disbursed on vouch-*
9 *ers to be approved by the chairperson of the*
10 *delegation from the House of Representa-*
11 *tives and the chairperson of the delegation*
12 *from the Senate, respectively.*

13 *(6) PRIVATE SOURCES.—The United States*
14 *Group may accept gifts or donations of services or*
15 *property, subject to the review and approval, as ap-*
16 *propriate, of the Committee on Ethics of the House of*
17 *Representatives and the Committee on Ethics of the*
18 *Senate.*

19 *(7) CERTIFICATION OF EXPENDITURES.—The*
20 *certificate of the chairperson of the delegation from*
21 *the House of Representatives or the chairperson of the*
22 *delegation from the Senate of the United States Group*
23 *shall be final and conclusive upon the accounting offi-*
24 *cers in the auditing of the accounts of the United*
25 *States Group.*

1 (8) *ANNUAL REPORT.*—*The United States Group*
2 *shall submit to the Committee on Foreign Affairs of*
3 *the House of Representatives and the Committee on*
4 *Foreign Relations of the Senate a report for each fis-*
5 *cal year for which an appropriation is made for the*
6 *United States Group, which shall include a descrip-*
7 *tion of its expenditures under such appropriation.*

8 **SEC. 3205. STATEMENT OF POLICY ON COOPERATION WITH**
9 **ASEAN.**

10 *It is the policy of the United States to—*

11 (1) *stand with the nations of the Association of*
12 *Southeast Asian Nations (ASEAN) as they respond to*
13 *COVID–19 and support greater cooperation in build-*
14 *ing capacity to prepare for and respond to pandemics*
15 *and other public health challenges;*

16 (2) *support high-level United States participa-*
17 *tion in the annual ASEAN Summit held each year;*

18 (3) *reaffirm the importance of United States-*
19 *ASEAN economic engagement, including the elimi-*
20 *nation of barriers to cross-border commerce, and sup-*
21 *port the ASEAN Economic Community’s (AEC)*
22 *goals, including strong, inclusive, and sustainable*
23 *long-term economic growth and cooperation with the*
24 *United States that focuses on innovation and capac-*
25 *ity-building efforts in technology, education, disaster*

1 *management, food security, human rights, and trade*
2 *facilitation, particularly for ASEAN's poorest coun-*
3 *tries;*

4 *(4) urge ASEAN to continue its efforts to foster*
5 *greater integration and unity within the ASEAN*
6 *community, as well as to foster greater integration*
7 *and unity with non-ASEAN economic, political, and*
8 *security partners, including Japan, the Republic of*
9 *Korea, Australia, the European Union, Taiwan, and*
10 *India;*

11 *(5) recognize the value of strategic economic ini-*
12 *tiatives like United States-ASEAN Connect, which*
13 *demonstrates a commitment to ASEAN and the AEC*
14 *and builds upon economic relationships in the region;*

15 *(6) support ASEAN nations in addressing mari-*
16 *time and territorial disputes in a constructive man-*
17 *ner and in pursuing claims through peaceful, diplo-*
18 *matic, and, as necessary, legitimate regional and*
19 *international arbitration mechanisms, consistent with*
20 *international law, including through the adoption of*
21 *a code of conduct in the South China Sea that rep-*
22 *resents the interests of all parties and promotes peace*
23 *and stability in the region;*

24 *(7) urge all parties involved in the maritime and*
25 *territorial disputes in the Indo-Pacific region, includ-*

1 *ing the Government of the People's Republic of*
2 *China—*

3 *(A) to cease any current activities, and*
4 *avoid undertaking any actions in the future,*
5 *that undermine stability, or complicate or esca-*
6 *late disputes through the use of coercion, intimi-*
7 *dation, or military force;*

8 *(B) to demilitarize islands, reefs, shoals,*
9 *and other features, and refrain from new efforts*
10 *to militarize, including the construction of new*
11 *garrisons and facilities and the relocation of ad-*
12 *ditional military personnel, material, or equip-*
13 *ment;*

14 *(C) to oppose actions by any country that*
15 *prevent other countries from exercising their sov-*
16 *ereign rights to the resources in their exclusive*
17 *economic zones and continental shelves by enforc-*
18 *ing claims to those areas in the South China Sea*
19 *that lack support in international law; and*

20 *(D) to oppose unilateral declarations of ad-*
21 *ministrative and military districts in contested*
22 *areas in the South China Sea;*

23 *(8) urge parties to refrain from unilateral ac-*
24 *tions that cause permanent physical damage to the*
25 *marine environment and support the efforts of the*

1 *National Oceanic and Atmospheric Administration*
2 *and ASEAN to implement guidelines to address the*
3 *illegal, unreported, and unregulated fishing in the re-*
4 *gion;*

5 *(9) urge ASEAN member states to develop a*
6 *common approach to reaffirm the decision of the Per-*
7 *manent Court of Arbitration's 2016 ruling in favor of*
8 *the Republic of the Philippines in the case against the*
9 *People's Republic of China's excessive maritime*
10 *claims;*

11 *(10) reaffirm the commitment of the United*
12 *States to continue joint efforts with ASEAN to halt*
13 *human smuggling and trafficking in persons and*
14 *urge ASEAN to create and strengthen regional mech-*
15 *anisms to provide assistance and support to refugees*
16 *and migrants;*

17 *(11) support the Mekong-United States Partner-*
18 *ship;*

19 *(12) support newly created initiatives with*
20 *ASEAN countries, including the United States-*
21 *ASEAN Smart Cities Partnership, the ASEAN Policy*
22 *Implementation Project, the United States-ASEAN*
23 *Innovation Circle, and the United States-ASEAN*
24 *Health Futures;*

1 (13) encourage the President to communicate to
2 *ASEAN leaders the importance of promoting the rule*
3 *of law and open and transparent government,*
4 *strengthening civil society, and protecting human*
5 *rights, including releasing political prisoners, ceasing*
6 *politically motivated prosecutions and arbitrary*
7 *killings, and safeguarding freedom of the press, free-*
8 *dom of assembly, freedom of religion, and freedom of*
9 *speech and expression;*

10 (14) support efforts by organizations in ASEAN
11 *that address corruption in the public and private sec-*
12 *tors, enhance anti-bribery compliance, enforce bribery*
13 *criminalization in the private sector, and build bene-*
14 *ficial ownership transparency through the ASEAN-*
15 *USAID PROSPECT project partnered with the South*
16 *East Asia Parties Against Corruption (SEA-PAC);*

17 (15) support the Young Southeast Asian Leaders
18 *Initiative as an example of a people-to-people part-*
19 *nership that provides skills, networks, and leadership*
20 *training to a new generation that will create and fill*
21 *jobs, foster cross-border cooperation and partnerships,*
22 *and rise to address the regional and global challenges*
23 *of the future;*

24 (16) support the creation of initiatives similar to
25 *the Young Southeast Asian Leaders Initiative for*

1 *other parts of the Indo-Pacific to foster people-to-peo-*
2 *ple partnerships with an emphasis on civil society*
3 *leaders;*

4 *(17) acknowledge those ASEAN governments that*
5 *have fully upheld and implemented all United Na-*
6 *tions Security Council resolutions and international*
7 *agreements with respect to the Democratic People’s*
8 *Republic of Korea’s nuclear and ballistic missile pro-*
9 *grams and encourage all other ASEAN governments*
10 *to do the same; and*

11 *(18) allocate appropriate resources across the*
12 *United States Government to articulate and imple-*
13 *ment an Indo-Pacific strategy that respects and sup-*
14 *ports ASEAN centrality and supports ASEAN as a*
15 *source of well-functioning and problem-solving re-*
16 *gional architecture in the Indo-Pacific community.*

17 **SEC. 3206. SENSE OF CONGRESS ON ENHANCING UNITED**
18 **STATES–ASEAN COOPERATION ON TECH-**
19 **NOLOGY ISSUES WITH RESPECT TO THE PEO-**
20 **PLE’S REPUBLIC OF CHINA.**

21 *It is the sense of Congress that—*

22 *(1) the United States and ASEAN should com-*
23 *plete a joint analysis on risks of overreliance on Chi-*
24 *nese equipment critical to strategic technologies and*
25 *critical infrastructure;*

1 (2) *the United States and ASEAN should share*
2 *information about and collaborate on screening Chi-*
3 *nese investments in strategic technology sectors and*
4 *critical infrastructure;*

5 (3) *the United States and ASEAN should work*
6 *together on appropriate import restriction regimes re-*
7 *garding Chinese exports of surveillance technologies;*

8 (4) *the United States should urge ASEAN to*
9 *adopt its March 2019 proposed sanctions regime tar-*
10 *geting cyber attacks;*

11 (5) *the United States should urge ASEAN to*
12 *commit to the September 2019 principles signed by*
13 *28 countries regarding “Advancing Responsible State*
14 *Behavior in Cyberspace”, a set of commitments that*
15 *support the “rules-based international order, affirm*
16 *the applicability of international law to state-on-state*
17 *behavior, adherence to voluntary norms of responsible*
18 *state behavior in peacetime, and the development and*
19 *implementation of practical confidence building*
20 *measures to help reduce the risk of conflict stemming*
21 *from cyber incidents”;* and

22 (6) *the United States and ASEAN should explore*
23 *how Chinese investments in critical technology, in-*
24 *cluding artificial intelligence, will impact Indo-Pa-*
25 *cific security over the coming decades.*

1 **SEC. 3207. REPORT ON CHINESE INFLUENCE IN INTER-**
2 **NATIONAL ORGANIZATIONS.**

3 (a) *REPORT REQUIRED.*—Not later than 180 days
4 after the date of the enactment of this Act, the Secretary
5 of State, in coordination with the Director of National In-
6 telligence, shall submit to the Committee on Foreign Rela-
7 tions and the Select Committee on Intelligence of the Senate
8 and the Committee on Foreign Affairs and the Permanent
9 Select Committee on Intelligence of the House of Represent-
10 atives a report on the expanded influence of the Government
11 of the People’s Republic of China and the Chinese Com-
12 munist Party in international organizations.

13 (b) *CONTENTS.*—The report required by subsection (a)
14 shall include analysis of the following:

15 (1) *The influence of the PRC and Chinese Com-*
16 *munist Party in international organizations and how*
17 *that influence has expanded over the last 10 years, in-*
18 *cluding—*

19 (A) *tracking countries’ voting patterns that*
20 *align with Chinese government voting patterns;*

21 (B) *the number of PRC nationals in leader-*
22 *ship positions at the D–1 level or higher;*

23 (C) *changes in PRC voluntary and manda-*
24 *tory funding by organization;*

1 (D) adoption of Chinese Communist Party
2 phrases and initiatives in international organi-
3 zation language and programming;

4 (E) efforts by the PRC to secure legitimacy
5 for its own foreign policy initiatives, including
6 the Belt and Road Initiative;

7 (F) the number of Junior Professional Offi-
8 cers that the Government of the People's Republic
9 of China has funded by organization;

10 (G) tactics used by the Government of the
11 People's Republic of China or the CCP to ma-
12 nipulate secret or otherwise non-public voting
13 measures, voting bodies, or votes;

14 (H) the extent to which technology compa-
15 nies incorporated in the PRC, or which have
16 PRC or CCP ownership interests, provide equip-
17 ment and services to international organizations;
18 and

19 (I) efforts by the PRC's United Nations
20 Mission to generate criticism of the United
21 States in the United Nations, including any ef-
22 forts to highlight delayed United States pay-
23 ments or to misrepresent total United States vol-
24 untary and assessed financial contributions to

1 *the United Nations and its specialized agencies*
2 *and programs.*

3 (2) *The purpose and ultimate goals of the ex-*
4 *expanded influence of the PRC government and the Chi-*
5 *nese Communist Party in international organiza-*
6 *tions, including an analysis of PRC Government and*
7 *Chinese Communist Party strategic documents and*
8 *rhetoric.*

9 (3) *The tactics and means employed by the PRC*
10 *government and the Chinese Communist Party to*
11 *achieve expanded influence in international organiza-*
12 *tions, including—*

13 (A) *incentive programs for PRC nationals*
14 *to join and run for leadership positions in inter-*
15 *national organizations;*

16 (B) *coercive economic and other practices*
17 *against other members in the organization; and*

18 (C) *economic or other incentives provided to*
19 *international organizations, including donations*
20 *of technologies or goods.*

21 (4) *The successes and failures of the PRC govern-*
22 *ment and Chinese Communist Party influence efforts*
23 *in international organizations, especially those re-*
24 *lated to human rights, “internet sovereignty”, the de-*
25 *velopment of norms on artificial intelligence, labor,*

1 *international standards setting, and freedom of navi-*
2 *gation.*

3 (c) *FORM.*—*The report submitted under subsection (a)*
4 *shall be submitted in unclassified form, but may include*
5 *a classified annex.*

6 (d) *DEFINITION.*—*In this section, the term “inter-*
7 *national organizations” includes the following:*

8 (1) *The African Development Bank.*

9 (2) *The Asian Development Bank.*

10 (3) *The Asia Pacific Economic Cooperation.*

11 (4) *The Bank of International Settlements.*

12 (5) *The Caribbean Development Bank.*

13 (6) *The Food and Agriculture Organization.*

14 (7) *The International Atomic Energy Agency.*

15 (8) *The International Bank for Reconstruction*
16 *and Development.*

17 (9) *The International Bureau of Weights and*
18 *Measures.*

19 (10) *The International Chamber of Commerce.*

20 (11) *The International Civil Aviation Organiza-*
21 *tion.*

22 (12) *The International Criminal Police Organi-*
23 *zation.*

24 (13) *The International Finance Corporation.*

1 (14) *The International Fund for Agricultural*
2 *Development.*

3 (15) *The International Hydrographic Organiza-*
4 *tion.*

5 (16) *The International Labor Organization.*

6 (17) *The International Maritime Organization.*

7 (18) *The International Monetary Fund.*

8 (19) *The International Olympic Committee.*

9 (20) *The International Organization for Migra-*
10 *tion.*

11 (21) *The International Organization for Stand-*
12 *ardization.*

13 (22) *The International Renewable Energy Agen-*
14 *cy.*

15 (23) *The International Telecommunications*
16 *Union.*

17 (24) *The Organization for Economic Cooperation*
18 *and Development.*

19 (25) *The Organization for the Prohibition of*
20 *Chemical Weapons.*

21 (26) *The United Nations.*

22 (27) *The United Nations Conference on Trade*
23 *and Development.*

24 (28) *The United Nations Educational, Scientific,*
25 *and Cultural Organization.*

1 *tries, both bilaterally and in relevant multilateral institu-*
2 *tions and organizations—*

3 *(1) to promote best practices in regulatory for-*
4 *mation and implementation;*

5 *(2) to collaborate to achieve optimal regulatory*
6 *outcomes based on scientific, technical, and other rel-*
7 *evant principles;*

8 *(3) to seek better harmonization and alignment*
9 *of regulations and regulatory practices;*

10 *(4) to build consensus around industry and tech-*
11 *nical standards in emerging sectors that will drive fu-*
12 *ture global economic growth and commerce; and*

13 *(5) to promote United States standards regard-*
14 *ing environmental, labor, and other relevant protec-*
15 *tions in regulatory formation and implementation, in*
16 *keeping with the values of free and open societies, in-*
17 *cluding the rule of law.*

18 *(b) PRIORITIZATION OF ACTIVITIES.—In facilitating*
19 *expert exchanges under subsection (a), the Secretary shall*
20 *prioritize—*

21 *(1) bilateral coordination and collaboration with*
22 *countries where greater regulatory coherence, harmo-*
23 *nization of standards, or communication and dia-*
24 *logue between technical agencies is achievable and best*

1 *advances the economic and national security interests*
2 *of the United States;*

3 (2) *multilateral coordination and collaboration*
4 *where greater regulatory coherence, harmonization of*
5 *standards, or dialogue on other relevant regulatory*
6 *matters is achievable and best advances the economic*
7 *and national security interests of the United States,*
8 *including with—*

9 (A) *the European Union;*

10 (B) *the Asia-Pacific Economic Cooperation;*

11 (C) *the Association of Southeast Asian Na-*
12 *tions (ASEAN);*

13 (D) *the Organization for Economic Co-*
14 *operation and Development (OECD); and*

15 (E) *multilateral development banks; and*

16 (3) *regulatory practices and standards-setting*
17 *bodies focused on key economic sectors and emerging*
18 *technologies.*

19 (c) *PARTICIPATION BY NON-GOVERNMENTAL ENTI-*
20 *TIES.—With regard to the program described in subsection*
21 *(a), the Secretary of State may facilitate, including through*
22 *the use of amounts appropriated pursuant to subsection (e),*
23 *the participation of private sector representatives, and other*
24 *relevant organizations and individuals with relevant exper-*

1 *tise, as appropriate and to the extent that such participa-*
2 *tion advances the goals of such program.*

3 (d) *DELEGATION OF AUTHORITY BY THE SEC-*
4 *RETARY.—The Secretary of State is authorized to delegate*
5 *the responsibilities described in this section to the Under*
6 *Secretary of State for Economic Growth, Energy, and the*
7 *Environment.*

8 (e) *AUTHORIZATION OF APPROPRIATIONS.—*

9 (1) *IN GENERAL.—There is authorized to be ap-*
10 *propriated \$2,500,000 for each of fiscal years 2022*
11 *through 2026 to carry out this section.*

12 (2) *USE OF FUNDS.—The Secretary may make*
13 *available amounts appropriated pursuant to para-*
14 *graph (1) in a manner that—*

15 (A) *facilitates participation by representa-*
16 *tives from technical agencies within the United*
17 *States Government and their counterparts; and*

18 (B) *complies with applicable procedural re-*
19 *quirements under the State Department Basic*
20 *Authorities Act of 1956 (22 U.S.C. 2651a et seq.)*
21 *and the Foreign Assistance Act of 1961 (22*
22 *U.S.C. 2151 et seq.).*

1 **SEC. 3209. TECHNOLOGY PARTNERSHIP OFFICE AT THE DE-**
2 **PARTMENT OF STATE.**

3 (a) *STATEMENT OF POLICY.*—It shall be the policy of
4 the United States to lead new technology policy partner-
5 ships focused on the shared interests of the world’s tech-
6 nology-leading democracies.

7 (b) *ESTABLISHMENT.*—The Secretary of State shall es-
8 tablish an interagency-staffed Technology Partnership Of-
9 fice (referred to in this section as the “Office”), which shall
10 be housed in the Department of State.

11 (c) *LEADERSHIP.*—

12 (1) *AMBASSADOR-AT-LARGE.*—The Office shall be
13 headed by an Ambassador-at-Large for Technology,
14 who shall—

15 (A) be appointed by the President, by and
16 with the advice and consent of the Senate;

17 (B) have the rank and status of ambas-
18 sador; and

19 (C) report to the Secretary of State, unless
20 otherwise directed.

21 (2) *OFFICE LIAISONS.*—The Secretary of Com-
22 merce and the Secretary of the Treasury shall each
23 appoint, from within their respective departments at
24 the level of GS–14 or higher, liaisons between the Of-
25 fice and the Department of Commerce or the Depart-

1 *ment of the Treasury, as applicable, to perform the*
2 *following duties:*

3 (A) *Collaborate with the Department of*
4 *State on relevant technology initiatives and*
5 *partnerships.*

6 (B) *Provide technical and other relevant ex-*
7 *pertise to the Office, as appropriate.*

8 (d) *MEMBERSHIP.*—*In addition to the liaisons referred*
9 *to in subsection (c), the Office shall include a representative*
10 *or expert detailee from key Federal agencies, as determined*
11 *by the Ambassador-at-Large for Technology.*

12 (e) *PURPOSES.*—*The purposes of the Office shall in-*
13 *clude responsibilities such as—*

14 (1) *creating, overseeing, and carrying out tech-*
15 *nology partnerships with countries and relevant polit-*
16 *ical and economic unions that are committed to—*

17 (A) *the rule of law, freedom of speech, and*
18 *respect for human rights;*

19 (B) *the safe and responsible development*
20 *and use of new and emerging technologies and*
21 *the establishment of related norms and stand-*
22 *ards;*

23 (C) *a secure internet architecture governed*
24 *by a multi-stakeholder model instead of central-*
25 *ized government control;*

1 (D) robust international cooperation to pro-
2 mote an open internet and interoperable techno-
3 logical products and services that are necessary
4 to freedom, innovation, transparency, and pri-
5 vacy; and

6 (E) multilateral coordination, including
7 through diplomatic initiatives, information shar-
8 ing, and other activities, to defend the principles
9 described in subparagraphs (A) through (D)
10 against efforts by state and non-state actors to
11 undermine them;

12 (2) harmonizing technology governance regimes
13 with partners, coordinating on basic and pre-competi-
14 tive research and development initiatives, and collabo-
15 rating to pursue such opportunities in key tech-
16 nologies, including—

17 (A) artificial intelligence and machine
18 learning;

19 (B) 5G telecommunications and other ad-
20 vanced wireless networking technologies;

21 (C) semiconductor manufacturing;

22 (D) biotechnology;

23 (E) quantum computing;

1 (F) surveillance technologies, including fa-
2 cial recognition technologies and censorship soft-
3 ware; and

4 (G) fiber optic cables;

5 (3) coordinating with such countries regarding
6 shared technology strategies, including technology con-
7 trols and standards, as well as strategies with respect
8 to the development and acquisition of key technologies
9 to provide alternatives for those countries utilizing
10 systems supported by authoritarian regimes;

11 (4) supporting and expanding adherence to
12 international treaties and frameworks governing the
13 responsible use of new and emerging technologies;

14 (5) coordinating the adoption of shared data pri-
15 vacy, data sharing, and data archiving standards
16 among the United States and partner countries and
17 relevant economic and political unions, including
18 complementary data protection regulations;

19 (6) coordinating with other technology partners
20 on export control policies, including as appropriate
21 through the Wassenaar Arrangement On Export Con-
22 trols for Conventional Arms and Dual-Use Goods and
23 Technologies, done at The Hague December 1995, the
24 Nuclear Suppliers Group, the Australia Group, and
25 the Missile Technology Control Regime; supply chain

1 *security; and investment in or licensing of critical in-*
2 *frastructure and dual-use technologies;*

3 (7) *coordinating with members of technology*
4 *partnerships on other policies regarding the use and*
5 *control of emerging and foundational technologies*
6 *through appropriate restrictions, investment screen-*
7 *ing, and appropriate measures with respect to tech-*
8 *nology transfers;*

9 (8) *coordinating policies, in coordination with*
10 *the Department of Commerce, around the resiliency of*
11 *supply chains in critical technology areas, including*
12 *possible diversification of supply chain components to*
13 *countries involved in technology partnerships with the*
14 *United States, while also maintaining transparency*
15 *surrounding subsidies and product origins;*

16 (9) *sharing information regarding the technology*
17 *transfer threat posed by authoritarian governments*
18 *and the ways in which autocratic regimes are uti-*
19 *lizing technology to erode individual freedoms and*
20 *other foundations of open, democratic societies;*

21 (10) *administering the establishment of—*

22 (A) *the common funding mechanism for de-*
23 *velopment and adoption of measurably secure*
24 *semiconductors and measurably secure semi-*
25 *conductors supply chains created in and in ac-*

1 *cordance with the requirements of section 9905 of*
2 *the William M. (Mac) Thornberry National De-*
3 *fense Authorization Act for Fiscal Year 2021*
4 *(Public Law 116–283); and*

5 *(B) the multilateral telecommunications se-*
6 *curity fund created in and in accordance with*
7 *the requirements of section 9202 of such Act; and*

8 *(11) collaborating with private companies, trade*
9 *associations, and think tanks to realize the purposes*
10 *of paragraphs (1) through (10).*

11 *(f) SPECIAL HIRING AUTHORITIES.—The Secretary of*
12 *State may—*

13 *(1) appoint employees without regard to the pro-*
14 *visions of title 5, United States Code, regarding ap-*
15 *pointments in the competitive service; and*

16 *(2) fix the basic compensation of such employees*
17 *without regard to chapter 51 and subchapter III of*
18 *chapter 53 of such title regarding classification and*
19 *General Schedule pay rates.*

20 *(g) REPORT.—Not later than one year after the date*
21 *of the enactment of this Act, and annually thereafter for*
22 *the next 3 years, the Secretary of State, in coordination*
23 *with the Director for National Intelligence, shall submit an*
24 *unclassified report to the appropriate congressional com-*
25 *mittees, with a classified index, if necessary, regarding—*

1 (1) *the activities of the Office, including any co-*
2 *operative initiatives and partnerships pursued with*
3 *United States allies and partners, and the results of*
4 *those activities, initiatives, and partnerships; and*

5 (2) *the activities of the Government of the Peo-*
6 *ples' Republic of China, the Chinese Communist*
7 *Party, and the Russian Federation in key technology*
8 *sectors and the threats they pose to the United States,*
9 *including—*

10 (A) *artificial intelligence and machine*
11 *learning;*

12 (B) *5G telecommunications and other ad-*
13 *vanced wireless networking technologies;*

14 (C) *semiconductor manufacturing;*

15 (D) *biotechnology;*

16 (E) *quantum computing;*

17 (F) *surveillance technologies, including fa-*
18 *cial recognition technologies and censorship soft-*
19 *ware; and*

20 (G) *fiber optic cables.*

21 (h) *SENSE OF CONGRESS ON ESTABLISHING INTER-*
22 *NATIONAL TECHNOLOGY PARTNERSHIP.—It is the sense of*
23 *Congress that the Ambassador-at-Large for Technology*
24 *should seek to establish an International Technology Part-*

1 *nership for the purposes described in this section with for-*
2 *ign countries that have—*

3 (1) *a democratic national government and a*
4 *strong commitment to democratic values, including*
5 *an adherence to the rule of law, freedom of speech,*
6 *and respect for and promotion of human rights;*

7 (2) *an economy with advanced technology sec-*
8 *tors; and*

9 (3) *a demonstrated record of trust or an ex-*
10 *pressed interest in international cooperation and co-*
11 *ordination with the United States on important de-*
12 *fense and intelligence issues.*

13 **SEC. 3210. UNITED STATES REPRESENTATION IN STAND-**
14 **ARDS-SETTING BODIES.**

15 (a) *SHORT TITLE.*—*This section may be cited as the*
16 *“Promoting United States International Leadership in 5G*
17 *Act of 2021”.*

18 (b) *SENSE OF CONGRESS.*—*It is the sense of Congress*
19 *that—*

20 (1) *the United States and its allies and partners*
21 *should maintain participation and leadership at*
22 *international standards-setting bodies for 5th and fu-*
23 *ture generation mobile telecommunications systems*
24 *and infrastructure;*

1 (2) *the United States should work with its allies*
2 *and partners to encourage and facilitate the develop-*
3 *ment of secure supply chains and networks for 5th*
4 *and future generation mobile telecommunications sys-*
5 *tems and infrastructure; and*

6 (3) *the maintenance of a high standard of secu-*
7 *rity in telecommunications and cyberspace between*
8 *the United States and its allies and partners is a na-*
9 *tional security interest of the United States.*

10 (c) *ENHANCING REPRESENTATION AND LEADERSHIP*
11 *OF UNITED STATES AT INTERNATIONAL STANDARDS-SET-*
12 *TING BODIES.—*

13 (1) *IN GENERAL.—The President shall—*

14 (A) *establish an interagency working group*
15 *to provide assistance and technical expertise to*
16 *enhance the representation and leadership of the*
17 *United States at international bodies that set*
18 *standards for equipment, systems, software, and*
19 *virtually defined networks that support 5th and*
20 *future generation mobile telecommunications sys-*
21 *tems and infrastructure, such as the Inter-*
22 *national Telecommunication Union and the 3rd*
23 *Generation Partnership Project; and*

24 (B) *work with allies, partners, and the pri-*
25 *vate sector to increase productive engagement.*

1 (2) *INTERAGENCY WORKING GROUP.*—*The inter-*
2 *agency working group described in paragraph (1)—*

3 *(A) shall be chaired by the Secretary of*
4 *State or a designee of the Secretary of State; and*

5 *(B) shall consist of the head (or designee) of*
6 *each Federal department or agency the President*
7 *determines appropriate.*

8 (3) *BRIEFINGS.*—

9 *(A) IN GENERAL.*—*Not later than 180 days*
10 *after the date of the enactment of this Act, and*
11 *subsequently thereafter as provided under sub-*
12 *paragraph (B), the interagency working group*
13 *described in paragraph (1) shall provide a strat-*
14 *egy to the appropriate congressional committees*
15 *that addresses—*

16 *(i) promotion of United States leader-*
17 *ship at international standards-setting bod-*
18 *ies for equipment, systems, software, and*
19 *virtually defined networks relevant to 5th*
20 *and future generation mobile telecommuni-*
21 *cations systems and infrastructure, taking*
22 *into account the different processes followed*
23 *by the various international standard-set-*
24 *ting bodies;*

1 (ii) diplomatic engagement with allies
2 and partners to share security risk informa-
3 tion and findings pertaining to equipment
4 that supports or is used in 5th and future
5 generation mobile telecommunications sys-
6 tems and infrastructure and cooperation on
7 mitigating such risks;

8 (iii) China's presence and activities at
9 international standards-setting bodies rel-
10 evant to 5th and future generation mobile
11 telecommunications systems and infrastruc-
12 ture, including information on the dif-
13 ferences in the scope and scale of China's
14 engagement at such bodies compared to en-
15 gagement by the United States or its allies
16 and partners and the security risks raised
17 by Chinese proposals in such standards-set-
18 ting bodies; and

19 (iv) engagement with private sector
20 communications and information service
21 providers, equipment developers, academia,
22 Federally funded research and development
23 centers, and other private-sector stakeholders
24 to propose and develop secure standards for
25 equipment, systems, software, and virtually

1 *defined networks that support 5th and fu-*
2 *ture generation mobile telecommunications*
3 *systems and infrastructure.*

4 (B) *SUBSEQUENT BRIEFINGS.*—Upon re-
5 *ceiving a request from the appropriate congres-*
6 *sional committees, or as determined appropriate*
7 *by the chair of the interagency working group es-*
8 *tablished pursuant to paragraph (1), the inter-*
9 *agency working group shall provide such com-*
10 *mittees an updated briefing that covers the mat-*
11 *ters described in clauses (i) through (iv) of sub-*
12 *paragraph (A).*

13 **SEC. 3211. SENSE OF CONGRESS ON CENTRALITY OF SANC-**
14 **TIONS AND OTHER RESTRICTIONS TO STRA-**
15 **TEGIC COMPETITION WITH CHINA.**

16 (a) *FINDINGS.*—Congress makes the following findings:

17 (1) *Sanctions and other restrictions, when used*
18 *as part of a coordinated and comprehensive strategy,*
19 *are a powerful tool to advance United States foreign*
20 *policy and national security interests.*

21 (2) *Congress has authorized and mandated a*
22 *broad range of sanctions and other restrictions to ad-*
23 *dress malign behavior and incentivize behavior*
24 *change by individuals and entities in the PRC.*

1 (3) *The sanctions and other restrictions author-*
2 *ized and mandated by Congress address a range of*
3 *malign PRC behavior, including—*

4 (A) *intellectual property theft;*

5 (B) *cyber-related economic espionage;*

6 (C) *repression of ethnic minorities;*

7 (D) *other human rights abuses;*

8 (E) *abuses of the international trading sys-*
9 *tem;*

10 (F) *illicit assistance to and trade with the*
11 *Government of the Democratic People’s Republic*
12 *of Korea; and*

13 (G) *drug trafficking, including trafficking*
14 *in fentanyl and other opioids;*

15 (4) *The sanctions and other restrictions described*
16 *in this section include the following:*

17 (A) *The Global Magnitsky Human Rights*
18 *Accountability Act (subtitle F of title XII of*
19 *Public Law 114–328; 22 U.S.C. 2656 note).*

20 (B) *Section 1637 of the Carl Levin and*
21 *Howard P. “Buck” McKeon National Defense*
22 *Authorization Act for Fiscal Year 2015 (50*
23 *U.S.C. 1708).*

24 (C) *The Fentanyl Sanctions Act (21 U.S.C.*
25 *2301 et seq.).*

1 (D) *The Hong Kong Autonomy Act (Public*
2 *Law 116–149; 22 U.S.C. 5701 note).*

3 (E) *Section 7 of the Hong Kong Human*
4 *Rights and Democracy Act of 2019 (Public Law*
5 *116–76; 22 U.S.C. 5701 note).*

6 (F) *Section 6 of the Uyghur Human Rights*
7 *Policy Act of 2020 (Public Law 116–145; 22*
8 *U.S.C. 6901 note).*

9 (G) *The Export Control Reform Act of 2018*
10 *(50 U.S.C. 4801 et seq.).*

11 (H) *Export control measures required to be*
12 *maintained with respect to entities in the tele-*
13 *communications sector of the People’s Republic*
14 *of China, including under section 1260I of the*
15 *National Defense Authorization Act for Fiscal*
16 *Year 2020 (Public Law 116–92).*

17 (I) *Section 311 of the Countering America’s*
18 *Adversaries Through Sanctions Act of 2018*
19 *(Public Law 115–44; 131 Stat. 942).*

20 (J) *The prohibition on the export of covered*
21 *munitions and crime control items to the Hong*
22 *Kong Police Force under the Act entitled “An*
23 *Act to prohibit the commercial export of covered*
24 *munitions and crime control items to the Hong*
25 *Kong Police Force”, approved November 27,*

1 *evant to economic and democratic freedoms, including the*
2 *following:*

3 (1) *Trade and investment issues and enforce-*
4 *ment.*

5 (2) *Building support for international infra-*
6 *structure standards, including those agreed to at the*
7 *G20 summit in Osaka in 2018.*

8 (3) *The erosion of democracy and human rights.*

9 (4) *The security of 5G telecommunications.*

10 (5) *Anti-competitive behavior, such as intellec-*
11 *tual property theft, massive subsidization of compa-*
12 *nies, and other policies and practices.*

13 (6) *Predatory international sovereign lending*
14 *that is inconsistent with Organisation for Economic*
15 *Cooperation and Development (OECD) and Paris*
16 *Club principles.*

17 (7) *International influence campaigns.*

18 (8) *Environmental standards.*

19 (9) *Coordination with like-minded regional part-*
20 *ners that are not in the G7 and G20.*

21 **SEC. 3213. ENHANCING THE UNITED STATES-TAIWAN PART-**
22 **nersHIP.**

23 (a) *STATEMENT OF POLICY.—It is the policy of the*
24 *United States—*

1 (1) *to recognize Taiwan as a vital part of the*
2 *United States Indo-Pacific strategy;*

3 (2) *to advance the security of Taiwan and its de-*
4 *mocracy as key elements for the continued peace and*
5 *stability of the greater Indo-Pacific region, and a*
6 *vital national security interest of the United States;*

7 (3) *to reinforce its commitments to Taiwan*
8 *under the Taiwan Relations Act (Public Law 96–8)*
9 *and the “Six Assurances”;*

10 (4) *to support Taiwan’s implementation of its*
11 *asymmetric defense strategy, including the priorities*
12 *identified in Taiwan’s Overall Defense Concept;*

13 (5) *to urge Taiwan to increase its defense spend-*
14 *ing in order to fully resource its defense strategy;*

15 (6) *to conduct regular transfers of defense arti-*
16 *cles to Taiwan in order to enhance Taiwan’s self-de-*
17 *fense capabilities, particularly its efforts to develop*
18 *and integrate asymmetric capabilities, including*
19 *anti-ship, coastal defense, anti-armor, air defense, un-*
20 *dersea warfare, advanced command, control, commu-*
21 *nications, computers, intelligence, surveillance, and*
22 *reconnaissance, and resilient command and control*
23 *capabilities, into its military forces;*

24 (7) *to advocate and actively advance Taiwan’s*
25 *meaningful participation in the United Nations, the*

1 *World Health Assembly, the International Civil Avia-*
2 *tion Organization, the International Criminal Police*
3 *Organization, and other international bodies as ap-*
4 *propriate;*

5 (8) *to advocate for information sharing with*
6 *Taiwan in the International Agency for Research on*
7 *Cancer;*

8 (9) *to promote meaningful cooperation among*
9 *the United States, Taiwan, and other like-minded*
10 *partners;*

11 (10) *to enhance bilateral trade, including poten-*
12 *tially through new agreements or resumption of talks*
13 *related to a possible Trade and Investment Frame-*
14 *work Agreement;*

15 (11) *to actively engage in trade talks in pursu-*
16 *ance of a bilateral free trade agreement;*

17 (12) *to expand bilateral economic and techno-*
18 *logical cooperation, including improving supply*
19 *chain security;*

20 (13) *to support United States educational and*
21 *exchange programs with Taiwan, including by pro-*
22 *moting the study of Chinese language, culture, his-*
23 *tory, and politics in Taiwan; and*

24 (14) *to expand people-to-people exchanges be-*
25 *tween the United States and Taiwan.*

1 (b) *SUPPORTING UNITED STATES EDUCATIONAL AND*
2 *EXCHANGE PROGRAMS WITH TAIWAN.*—

3 (1) *ESTABLISHMENT OF THE UNITED STATES-*
4 *TAIWAN CULTURAL EXCHANGE FOUNDATION.*—*The*
5 *Secretary of State should consider establishing an*
6 *independent nonprofit that—*

7 (A) *is dedicated to deepening ties between*
8 *the future leaders of Taiwan and the United*
9 *States; and*

10 (B) *works with State and local school dis-*
11 *tricts and educational institutions to send high*
12 *school and university students to Taiwan to*
13 *study the Chinese language, culture, history, pol-*
14 *itics, and other relevant subjects.*

15 (2) *PARTNER.*—*State and local school districts*
16 *and educational institutions, including public univer-*
17 *sities, are encouraged to partner with the Taipei Eco-*
18 *nomic and Cultural Representative Office in the*
19 *United States to establish programs to promote an in-*
20 *crease in educational and cultural exchanges.*

21 **SEC. 3214. TAIWAN FELLOWSHIP PROGRAM.**

22 (a) *SHORT TITLE.*—*This section may be cited as the*
23 *“Taiwan Fellowship Act”.*

24 (b) *FINDINGS.*—*Congress finds the following:*

1 (1) *The Taiwan Relations Act (Public Law 96–*
2 *8; 22 U.S.C. 3301 et seq.) affirmed United States pol-*
3 *icy “to preserve and promote extensive, close, and*
4 *friendly commercial, cultural, and other relations be-*
5 *tween the people of the United States and the people*
6 *on Taiwan, as well as the people on the China main-*
7 *land and all other peoples of the Western Pacific*
8 *area”.*

9 (2) *Consistent with the Asia Reassurance Initia-*
10 *tive Act of 2018 (Public Law 115–409), the United*
11 *States has grown its strategic partnership with Tai-*
12 *wan’s vibrant democracy of 23,000,000 people.*

13 (3) *Despite a concerted campaign by the People’s*
14 *Republic of China to isolate Taiwan from its diplo-*
15 *matic partners and from international organizations,*
16 *including the World Health Organization, Taiwan*
17 *has emerged as a global leader in the coronavirus*
18 *global pandemic response, including by donating*
19 *more than 2,000,000 surgical masks and other med-*
20 *ical equipment to the United States.*

21 (4) *The creation of a United States fellowship*
22 *program with Taiwan would support—*

23 (A) *a key priority of expanding people-to-*
24 *people exchanges, which was outlined in Presi-*

1 *dent Donald J. Trump’s 2017 National Security*
2 *Strategy;*

3 *(B) President Joseph R. Biden’s commit-*
4 *ment to Taiwan, “a leading democracy and a*
5 *critical economic and security partner,” as ex-*
6 *pressed in his March 2021 Interim National Se-*
7 *curity Strategic Guidance; and*

8 *(C) April 2021 guidance from the Depart-*
9 *ment of State based on a review required under*
10 *the Taiwan Assurance Act of 2020 (subtitle B of*
11 *title III of division FF of Public Law 116–260)*
12 *to “encourage U.S. government engagement with*
13 *Taiwan that reflects our deepening unofficial re-*
14 *lationship”.*

15 *(c) PURPOSES.—The purposes of this section are—*

16 *(1) to further strengthen the United States-Tai-*
17 *wan strategic partnership and broaden understanding*
18 *of the Indo-Pacific region by temporarily assigning*
19 *officials of agencies of the United States Government*
20 *to Taiwan for intensive study in Mandarin and*
21 *placement as Fellows with the governing authorities*
22 *on Taiwan or a Taiwanese civic institution;*

23 *(2) to provide for eligible United States per-*
24 *sonnel to learn or strengthen Mandarin Chinese lan-*
25 *guage skills and to expand their understanding of the*

1 *political economy of Taiwan and the Indo-Pacific re-*
2 *gion; and*

3 *(3) to better position the United States to ad-*
4 *vance its economic, security, and human rights inter-*
5 *ests and values in the Indo-Pacific region.*

6 *(d) DEFINITIONS.—In this section:*

7 *(1) AGENCY HEAD.—The term “agency head”*
8 *means in the case of the executive branch of United*
9 *States Government, or a legislative branch agency de-*
10 *scribed in paragraph (2), the head of the respective*
11 *agency.*

12 *(2) AGENCY OF THE UNITED STATES GOVERN-*
13 *MENT.—The term “agency of the United States Gov-*
14 *ernment” includes the Government Accountability Of-*
15 *fice, Congressional Budget Office, or the Congressional*
16 *Research Service of the legislative branch as well as*
17 *any agency of the executive branch.*

18 *(3) APPROPRIATE COMMITTEES OF CONGRESS.—*
19 *The term “appropriate committees of Congress”*
20 *means—*

21 *(A) the Committee on Appropriations of the*
22 *Senate;*

23 *(B) the Committee on Foreign Relations of*
24 *the Senate;*

1 (C) the Committee on Appropriations of the
2 House of Representatives; and

3 (D) the Committee on Foreign Affairs of the
4 House of Representatives.

5 (4) *DETAILEE*.—The term “detailee”—

6 (A) means an employee of a branch of the
7 United States Government on loan to the Amer-
8 ican Institute in Taiwan, without a change of
9 position from the agency at which he or she is
10 employed; and

11 (B) a legislative branch employee from the
12 Government Accountability Office, Congressional
13 Budget Office, or the Congressional Research
14 Service.

15 (5) *IMPLEMENTING PARTNER*.—The term “imple-
16 menting partner” means any United States organiza-
17 tion described in 501(c)(3) of the Internal Revenue
18 Code of 1986 that—

19 (A) performs logistical, administrative, and
20 other functions, as determined by the Depart-
21 ment of State and the American Institute of Tai-
22 wan in support of the Taiwan Fellowship Pro-
23 gram; and

1 (B) enters into a cooperative agreement
2 with the American Institute in Taiwan to ad-
3 minister the Taiwan Fellowship Program.

4 (e) *ESTABLISHMENT OF TAIWAN FELLOWSHIP PRO-*
5 *GRAM.—*

6 (1) *ESTABLISHMENT.—The Secretary of State*
7 *shall establish the “Taiwan Fellowship Program” (re-*
8 *ferred to in this subsection as the “Program”)* to pro-
9 *vide a fellowship opportunity in Taiwan of up to 2*
10 *years for eligible United States citizens. The Depart-*
11 *ment of State, in consultation with the American In-*
12 *stitute in Taiwan and the implementing partner,*
13 *may modify the name of the Program.*

14 (2) *COOPERATIVE AGREEMENT.—*

15 (A) *IN GENERAL.—The American Institute*
16 *in Taiwan should use amounts appropriated*
17 *pursuant to subsection (h)(1) to enter into an*
18 *annual or multi-year cooperative agreement with*
19 *an appropriate implementing partner.*

20 (B) *FELLOWSHIPS.—The Department of*
21 *State, in consultation with the American Insti-*
22 *tute in Taiwan and, as appropriate, the imple-*
23 *menting partner, should award to eligible United*
24 *States citizens, subject to available funding—*

1 (i) approximately 5 fellowships during
2 the first 2 years of the Program; and

3 (ii) approximately 10 fellowships dur-
4 ing each of the remaining years of the Pro-
5 gram.

6 (3) *INTERNATIONAL AGREEMENT; IMPLEMENTING*
7 *PARTNER.*—Not later than 30 days after the date of
8 the enactment of this Act, the American Institute in
9 Taiwan, in consultation with the Department of
10 State, should—

11 (A) begin negotiations with the Taipei Eco-
12 nomic and Cultural Representative Office, or
13 with another appropriate entity, for the purpose
14 of entering into an agreement to facilitate the
15 placement of fellows in an agency of the gov-
16 erning authorities on Taiwan; and

17 (B) begin the process of selecting an imple-
18 menting partner, which—

19 (i) shall agree to meet all of the legal
20 requirements required to operate in Tai-
21 wan; and

22 (ii) shall be composed of staff who dem-
23 onstrate significant experience managing
24 exchange programs in the Indo-Pacific re-
25 gion.

1 (4) *CURRICULUM.*—

2 (A) *FIRST YEAR.*—During the first year of
3 each fellowship under this subsection, each fellow
4 should study—

5 (i) the Mandarin Chinese language;

6 (ii) the people, history, and political
7 climate on Taiwan; and

8 (iii) the issues affecting the relation-
9 ship between the United States and the
10 Indo-Pacific region.

11 (B) *SECOND YEAR.*—During the second year
12 of each fellowship under this subsection, each fel-
13 low, subject to the approval of the Department of
14 State, the American Institute in Taiwan, and
15 the implementing partner, and in accordance
16 with the purposes of this section, should work
17 in—

18 (i) a parliamentary office, ministry, or
19 other agency of the governing authorities on
20 Taiwan; or

21 (ii) an organization outside of the gov-
22 erning authorities on Taiwan, whose inter-
23 ests are associated with the interests of the
24 fellow and the agency of the United States

1 *Government from which the fellow had been*
2 *employed.*

3 (5) *FLEXIBLE FELLOWSHIP DURATION.*—*Not-*
4 *withstanding any requirement under this subsection,*
5 *the Secretary of State, in consultation with the Amer-*
6 *ican Institute in Taiwan and, as appropriate, the*
7 *implementing partner, may award fellowships that*
8 *have a duration of less than two years, and may alter*
9 *the curriculum requirements under paragraph (4) for*
10 *such purposes.*

11 (6) *SUNSET.*—*The fellowship program under this*
12 *subsection shall terminate 7 years after the date of the*
13 *enactment of this Act.*

14 (f) *PROGRAM REQUIREMENTS.*—

15 (1) *ELIGIBILITY REQUIREMENTS.*—*A United*
16 *States citizen is eligible for a fellowship under sub-*
17 *section (e) if he or she—*

18 (A) *is an employee of the United States*
19 *Government;*

20 (B) *has received at least one exemplary per-*
21 *formance review in his or her current United*
22 *States Government role within at least the last*
23 *three years prior to beginning the fellowship;*

24 (C) *has at least 2 years of experience in any*
25 *branch of the United States Government;*

1 (D) has a demonstrated professional or edu-
2 cational background in the relationship between
3 the United States and countries in the Indo-Pa-
4 cific region; and

5 (E) has demonstrated his or her commit-
6 ment to further service in the United States Gov-
7 ernment.

8 (2) *RESPONSIBILITIES OF FELLOWS.*—Each re-
9 cipient of a fellowship under subsection (e) shall
10 agree, as a condition of such fellowship—

11 (A) to maintain satisfactory progress in
12 language training and appropriate behavior in
13 Taiwan, as determined by the Department of
14 State, the American Institute in Taiwan and, as
15 appropriate, its implementing partner;

16 (B) to refrain from engaging in any intel-
17 ligence or intelligence-related activity on behalf
18 of the United States Government; and

19 (C) to continue Federal Government em-
20 ployment for a period of not less than 4 years
21 after the conclusion of the fellowship or for not
22 less than 2 years for a fellowship that is 1 year
23 or shorter.

24 (3) *RESPONSIBILITIES OF IMPLEMENTING PART-*
25 *NER.*—

1 (A) *SELECTION OF FELLOWS.*—*The imple-*
2 *menting partner, in close coordination with the*
3 *Department of State and the American Institute*
4 *in Taiwan, shall—*

5 (i) *make efforts to recruit fellowship*
6 *candidates who reflect the diversity of the*
7 *United States;*

8 (ii) *select fellows for the Taiwan Fel-*
9 *lowship Program based solely on merit,*
10 *with appropriate supervision from the De-*
11 *partment of State and the American Insti-*
12 *tute in Taiwan; and*

13 (iii) *prioritize the selection of can-*
14 *didates willing to serve a fellowship lasting*
15 *1 year or longer.*

16 (B) *FIRST YEAR.*—*The implementing part-*
17 *ner should provide each fellow in the first year*
18 *(or shorter duration, as jointly determined by the*
19 *Department of State and the American Institute*
20 *in Taiwan for those who are not serving a 2-*
21 *year fellowship) with—*

22 (i) *intensive Mandarin Chinese lan-*
23 *guage training; and*

1 (ii) courses in the political economy of
2 Taiwan, China, and the broader Indo-Pa-
3 cific.

4 (C) *WAIVER OF REQUIRED TRAINING.*—The
5 Department of State, in coordination with the
6 American Institute in Taiwan and, as appro-
7 priate, the implementing partner, may waive
8 any of the training required under subparagraph
9 (B) to the extent that a fellow has Mandarin lan-
10 guage skills, knowledge of the topic described in
11 subparagraph (B)(ii), or for other related rea-
12 sons approved by the Department of State and
13 the American Institute in Taiwan. If any of the
14 training requirements are waived for a fellow
15 serving a 2-year fellowship, the training portion
16 of his or her fellowship may be shortened to the
17 extent appropriate.

18 (D) *OFFICE; STAFFING.*—The implementing
19 partner, in consultation with the Department of
20 State and the American Institute in Taiwan,
21 may maintain an office and at least 1 full-time
22 staff member in Taiwan—

23 (i) to liaise with the American Insti-
24 tute in Taiwan and the governing authori-
25 ties on Taiwan; and

1 (ii) to serve as the primary in-country
2 point of contact for the recipients of fellow-
3 ships under this section and their depend-
4 ents.

5 (E) OTHER FUNCTIONS.—The implementing
6 partner may perform other functions in associa-
7 tion in support of the Taiwan Fellowship Pro-
8 gram, including logistical and administrative
9 functions, as prescribed by the Department of
10 State and the American Institute in Taiwan.

11 (4) NONCOMPLIANCE.—

12 (A) IN GENERAL.—Any fellow who fails to
13 comply with the requirements under this sub-
14 section shall reimburse the American Institute in
15 Taiwan for—

16 (i) the Federal funds expended for the
17 fellow's participation in the fellowship, as
18 set forth in subparagraphs (B) and (C); and

19 (ii) interest accrued on such funds
20 (calculated at the prevailing rate).

21 (B) FULL REIMBURSEMENT.—Any fellow
22 who violates subparagraph (A) or (B) of para-
23 graph (2) shall reimburse the American Institute
24 in Taiwan in an amount equal to the sum of—

1 (i) all of the Federal funds expended
2 for the fellow's participation in the fellow-
3 ship; and

4 (ii) interest on the amount specified in
5 clause (i), which shall be calculated at the
6 prevailing rate.

7 (C) *PRO RATA REIMBURSEMENT.*—Any fel-
8 low who violates paragraph (2)(C) shall reim-
9 burse the American Institute in Taiwan in an
10 amount equal to the difference between—

11 (i) the amount specified in subpara-
12 graph (B); and

13 (ii) the product of—

14 (I) the amount the fellow received
15 in compensation during the final year
16 of the fellowship, including the value of
17 any allowances and benefits received
18 by the fellow; multiplied by

19 (II) the percentage of the period
20 specified in paragraph (2)(C) during
21 which the fellow did not remain em-
22 ployed by the Federal Government.

23 (5) *ANNUAL REPORT.*—Not later than 90 days
24 after the selection of the first class of fellows under
25 this section, and annually thereafter for 7 years, the

1 *Department of State shall offer to brief the appro-*
2 *priate committees of Congress regarding the following*
3 *issues:*

4 *(A) An assessment of the performance of the*
5 *implementing partner in fulfilling the purposes*
6 *of this section.*

7 *(B) The names and sponsoring agencies of*
8 *the fellows selected by the implementing partner*
9 *and the extent to which such fellows represent the*
10 *diversity of the United States.*

11 *(C) The names of the parliamentary offices,*
12 *ministries, other agencies of the governing au-*
13 *thorities on Taiwan, and nongovernmental insti-*
14 *tutions to which each fellow was assigned during*
15 *the second year of the fellowship.*

16 *(D) Any recommendations, as appropriate,*
17 *to improve the implementation of the Taiwan*
18 *Fellowship Program, including added flexibilities*
19 *in the administration of the program.*

20 *(E) An assessment of the Taiwan Fellow-*
21 *ship Program's value upon the relationship be-*
22 *tween the United States and Taiwan or the*
23 *United States and Asian countries.*

24 *(6) ANNUAL FINANCIAL AUDIT.—*

1 (A) *IN GENERAL.*—*The financial records of*
2 *any implementing partner shall be audited an-*
3 *nually in accordance with generally accepted au-*
4 *ditting standards by independent certified public*
5 *accountants or independent licensed public ac-*
6 *countants who are certified or licensed by a regu-*
7 *latory authority of a State or another political*
8 *subdivision of the United States.*

9 (B) *LOCATION.*—*Each audit under sub-*
10 *paragraph (A) shall be conducted at the place or*
11 *places where the financial records of the imple-*
12 *menting partner are normally kept.*

13 (C) *ACCESS TO DOCUMENTS.*—*The imple-*
14 *menting partner shall make available to the ac-*
15 *countants conducting an audit under subpara-*
16 *graph (A)—*

17 (i) *all books, financial records, files,*
18 *other papers, things, and property belonging*
19 *to, or in use by, the implementing partner*
20 *that are necessary to facilitate the audit;*
21 *and*

22 (ii) *full facilities for verifying trans-*
23 *actions with the balances or securities held*
24 *by depositories, fiscal agents, and*
25 *custodians.*

1 (D) *REPORT.*—

2 (i) *IN GENERAL.*—Not later than 6
3 months after the end of each fiscal year, the
4 implementing partner shall provide a re-
5 port of the audit conducted for such fiscal
6 year under subparagraph (A) to the Depart-
7 ment of State and the American Institute in
8 Taiwan.

9 (ii) *CONTENTS.*—Each audit report
10 shall—

11 (I) set forth the scope of the audit;

12 (II) include such statements,
13 along with the auditor's opinion of
14 those statements, as may be necessary
15 to present fairly the implementing
16 partner's assets and liabilities, surplus
17 or deficit, with reasonable detail;

18 (III) include a statement of the
19 implementing partner's income and ex-
20 penses during the year; and

21 (IV) include a schedule of—

22 (aa) all contracts and cooper-
23 ative agreements requiring pay-
24 ments greater than \$5,000; and

1 *(bb) any payments of com-*
2 *ensation, salaries, or fees at a*
3 *rate greater than \$5,000 per year.*

4 *(iii) COPIES.—Each audit report shall*
5 *be produced in sufficient copies for distribu-*
6 *tion to the public.*

7 *(g) TAIWAN FELLOWS ON DETAIL FROM GOVERNMENT*
8 *SERVICE.—*

9 *(1) IN GENERAL.—*

10 *(A) DETAIL AUTHORIZED.—With the ap-*
11 *proval of the Secretary of State, an agency head*
12 *may detail, for a period of not more than 2*
13 *years, an employee of the agency of the United*
14 *States Government who has been awarded a fel-*
15 *lowship under this section, to the American In-*
16 *stitute in Taiwan for the purpose of assignment*
17 *to the governing authorities on Taiwan or an or-*
18 *ganization described in subsection (e)(4)(B)(ii).*

19 *(B) AGREEMENT.—Each detailee shall enter*
20 *into a written agreement with the Federal Gov-*
21 *ernment before receiving a fellowship, in which*
22 *the fellow shall agree—*

23 *(i) to continue in the service of the*
24 *sponsoring agency at the end of fellowship*
25 *for a period of at least 4 years (or at least*

1 2 years if the fellowship duration is 1 year
2 or shorter) unless the detailee is involun-
3 tarily separated from the service of such
4 agency; and

5 (ii) to pay to the American Institute
6 in Taiwan any additional expenses in-
7 curred by the Federal Government in con-
8 nection with the fellowship if the detailee
9 voluntarily separates from service with the
10 sponsoring agency before the end of the pe-
11 riod for which the detailee has agreed to
12 continue in the service of such agency.

13 (C) *EXCEPTION.*—The payment agreed to
14 under subparagraph (B)(ii) may not be required
15 of a detailee who leaves the service of the spon-
16 soring agency to enter into the service of another
17 agency of the United States Government unless
18 the head of the sponsoring agency notifies the
19 detailee before the effective date of entry into the
20 service of the other agency that payment will be
21 required under this subsection.

22 (2) *STATUS AS GOVERNMENT EMPLOYEE.*—A
23 detailee—

24 (A) is deemed, for the purpose of preserving
25 allowances, privileges, rights, seniority, and

1 *other benefits, to be an employee of the spon-*
2 *soring agency;*

3 *(B) is entitled to pay, allowances, and bene-*
4 *fits from funds available to such agency, which*
5 *is deemed to comply with section 5536 of title 5,*
6 *United States Code; and*

7 *(C) may be assigned to a position with an*
8 *entity described in section (f)(4)(B)(i) if accept-*
9 *ance of such position does not involve—*

10 *(i) the taking of an oath of allegiance*
11 *to another government; or*

12 *(ii) the acceptance of compensation or*
13 *other benefits from any foreign government*
14 *by such detailee.*

15 *(3) RESPONSIBILITIES OF SPONSORING AGEN-*
16 *CY.—*

17 *(A) IN GENERAL.—The Federal agency from*
18 *which a detailee is detailed should provide the*
19 *fellow allowances and benefits that are consistent*
20 *with Department of State Standardized Regula-*
21 *tions or other applicable rules and regulations,*
22 *including—*

23 *(i) a living quarters allowance to cover*
24 *the cost of housing in Taiwan;*

1 (ii) a cost of living allowance to cover
2 any possible higher costs of living in Tai-
3 wan;

4 (iii) a temporary quarters subsistence
5 allowance for up to 7 days if the fellow is
6 unable to find housing immediately upon
7 arriving in Taiwan;

8 (iv) an education allowance to assist
9 parents in providing the fellow's minor chil-
10 dren with educational services ordinarily
11 provided without charge by public schools
12 in the United States;

13 (v) moving expenses to transport per-
14 sonal belongings of the fellow and his or her
15 family in their move to Taiwan, which is
16 comparable to the allowance given for
17 American Institute in Taiwan employees
18 assigned to Taiwan; and

19 (vi) an economy-class airline ticket to
20 and from Taiwan for each fellow and the
21 fellow's immediate family.

22 (B) *MODIFICATION OF BENEFITS.*—The
23 American Institute in Taiwan and its imple-
24 menting partner, with the approval of the De-
25 partment of State, may modify the benefits set

1 *forth in subparagraph (A) if such modification*
2 *is warranted by fiscal circumstances.*

3 (4) *NO FINANCIAL LIABILITY.*—*The American*
4 *Institute in Taiwan, the implementing partner, and*
5 *any governing authorities on Taiwan or nongovern-*
6 *mental entities in Taiwan at which a fellow is de-*
7 *tailed during the second year of the fellowship may*
8 *not be held responsible for the pay, allowances, or any*
9 *other benefit normally provided to the detailee.*

10 (5) *REIMBURSEMENT.*—*Fellows may be detailed*
11 *under paragraph (1)(A) without reimbursement to the*
12 *United States by the American Institute in Taiwan.*

13 (6) *ALLOWANCES AND BENEFITS.*—*Detailees may*
14 *be paid by the American Institute in Taiwan for the*
15 *allowances and benefits listed in paragraph (3).*

16 (h) *FUNDING.*—

17 (1) *AUTHORIZATION OF APPROPRIATIONS.*—
18 *There are authorized to be appropriated to the Amer-*
19 *ican Institute in Taiwan—*

20 (A) *for fiscal year 2022, \$2,900,000, of*
21 *which—*

22 (i) *\$500,000 shall be used to launch the*
23 *Taiwan Fellowship Program through a*
24 *competitive cooperative agreement with an*
25 *appropriate implementing partner;*

1 (ii) \$2,300,000 shall be used to fund a
2 cooperative agreement with the appropriate
3 implementing partner; and

4 (iii) \$100,000 shall be used for man-
5 agement expenses of the American Institute
6 in Taiwan related to the management of the
7 Taiwan Fellowship Program; and

8 (B) for fiscal year 2023, and each suc-
9 ceeding fiscal year, \$2,400,000, of which—

10 (i) \$2,300,000 shall be used to fund a
11 cooperative agreement with an appropriate
12 implementing partner; and

13 (ii) \$100,000 shall be used for manage-
14 ment expenses of the American Institute in
15 Taiwan related to the management of the
16 Taiwan Fellowship Program.

17 (2) *PRIVATE SOURCES.*—The implementing part-
18 ner selected to implement the Taiwan Fellowship Pro-
19 gram may accept, use, and dispose of gifts or dona-
20 tions of services or property in carrying out such pro-
21 gram, subject to the review and approval of the Amer-
22 ican Institute in Taiwan.

23 (i) *STUDY AND REPORT.*—Not later than one year
24 prior to the sunset of the fellowship program under sub-
25 section (e), the Comptroller General of the United States

1 *shall conduct a study and submit to the Committee on For-*
2 *ign Relations of the Senate and the Committee on Foreign*
3 *Affairs of the House a report that includes—*

4

5 *(A) an analysis of the United States Gov-*
6 *ernment participants in this program, including*
7 *the number of applicants and the number of fel-*
8 *lowships undertaken, the place of employment,*
9 *and as assessment of the costs and benefits for*
10 *participants and for the United States Govern-*
11 *ment of such fellowships;*

12 *(B) an analysis of the financial impact of*
13 *the fellowship on United States Government of-*
14 *fices which have provided Fellows to participate*
15 *in the program; and*

16 *(C) recommendations, if any, on how to im-*
17 *prove the fellowship program.*

18 **SEC. 3215. TREATMENT OF TAIWAN GOVERNMENT.**

19 *(a) IN GENERAL.—The Department of State and other*
20 *United States Government departments and agencies shall*
21 *engage with the democratically elected government of Tai-*
22 *wan as the legitimate representative of the people of Taiwan*
23 *and end the outdated practice of referring to the government*
24 *in Taiwan as the “Taiwan authorities”. Notwithstanding*
25 *the continued supporting role of the American Institute in*

1 *Taiwan in carrying out United States foreign policy and*
2 *protecting United States interests in Taiwan, the United*
3 *States Government shall not place any restrictions on the*
4 *ability of officials of the Department of State and other*
5 *United States Government departments and agencies to*
6 *interact directly and routinely with counterparts in the*
7 *Taiwan government.*

8 (b) *RULE OF CONSTRUCTION.*—*Nothing in this para-*
9 *graph shall be construed as entailing restoration of diplo-*
10 *matic relations with the Republic of China (Taiwan) or al-*
11 *tering the United States Government’s position on Tai-*
12 *wan’s international status.*

13 **SEC. 3216. TAIWAN SYMBOLS OF SOVEREIGNTY.**

14 (a) *IN GENERAL.*—*Not later than 90 days after the*
15 *date of the enactment of this Act, the Secretary of State*
16 *shall rescind any contact guideline, internal restriction, sec-*
17 *tion of the Foreign Affairs Manual or Foreign Affairs*
18 *Handbook, related guidance, or related policies that, explic-*
19 *itly or implicitly, including through restrictions or limita-*
20 *tions on activities of United States personnel, limits the*
21 *ability of members of the armed forces of the Republic of*
22 *China (Taiwan) and government representatives from the*
23 *Taipei Economic and Cultural Representative Office*
24 *(TECRO) to display for official purposes symbols of Repub-*
25 *lic of China sovereignty, including—*

1 (1) *the flag of the Republic of China (Taiwan);*
2 *and*

3 (2) *the corresponding emblems or insignia of*
4 *military units.*

5 (b) *OFFICIAL PURPOSES DEFINED.*—*In this section,*
6 *the term “official purposes” means—*

7 (1) *the wearing of official uniforms;*

8 (2) *conducting government-hosted ceremonies or*
9 *functions; and*

10 (3) *appearances on Department of State social*
11 *media accounts promoting engagements with Taiwan.*

12 (c) *RULE OF CONSTRUCTION.*—*Nothing in this section*
13 *shall be construed as entailing restoration of diplomatic re-*
14 *lations with the Republic of China (Taiwan) or altering*
15 *the United States Government’s position on Taiwan’s inter-*
16 *national status.*

17 **SEC. 3217. REPORT ON ORIGINS OF THE COVID-19 PAN-**
18 **DEMIC.**

19 (a) *SENSE OF CONGRESS.*—*It is the sense of Congress*
20 *that—*

21 (1) *it is critical to understand the origins of the*
22 *COVID-19 pandemic so the United States can better*
23 *prepare, prevent, and respond to pandemic health*
24 *threats in the future;*

1 (2) *given the impact of the COVID–19 pandemic*
2 *on all Americans, the American people deserve to*
3 *know what information the United States Govern-*
4 *ment possesses about the origins of COVID–19, as ap-*
5 *propriate;*

6 (3) *Congress shares the concerns expressed by the*
7 *United States Government and 13 other foreign gov-*
8 *ernments that the international team of experts dis-*
9 *patched to the People’s Republic of China by the*
10 *World Health Organization (WHO) to study the ori-*
11 *gins of the SARS–CoV–2 virus was “significantly de-*
12 *layed and lacked access to complete, original data*
13 *and samples”;*

14 (4) *the March 30, 2021, statement by the Direc-*
15 *tor-General of the WHO, Dr. Tedros Adhanom*
16 *Ghebreyesus, further affirms that the investigative*
17 *team had encountered “difficulties” in accessing nec-*
18 *essary raw data, that “we have not yet found the*
19 *source of the virus,” and that “all hypotheses remain*
20 *on the table”;* and

21 (5) *it is critical for independent experts to have*
22 *full access to all pertinent human, animal, and envi-*
23 *ronmental data, live virus samples, research, and per-*
24 *sonnel involved in the early stages of the outbreak rel-*
25 *evant to determining how this pandemic emerged.*

1 (b) *REPORT REQUIRED.*—Not later than 180 days
2 after enactment of this Act, the Director of National Intel-
3 ligence, in coordination with the Secretary of State, the Sec-
4 retary of Health and Human Services, the Secretary of En-
5 ergy, and other relevant executive departments, shall submit
6 to the appropriate committees of Congress a report con-
7 sisting of—

8 (1) *an assessment of the most likely source or or-*
9 *igin of the SARS-CoV-2 virus, including a detailed*
10 *review of all information the United States possesses*
11 *that it has identified as potentially relevant to the*
12 *source or origin of the SARS-CoV-2 virus, including*
13 *zoonotic transmission and spillover, the Wuhan Insti-*
14 *tute of Virology (WIV), or other sources of origin,*
15 *transmission, or spillover, based on the information*
16 *the United States Government has to date;*

17 (2) *an identification of the leading credible theo-*
18 *ries of the etiology of the SARS-CoV-2 virus by the*
19 *United States Government, the steps the United*
20 *States has taken to validate those theories, and any*
21 *variance in assessment or dissent among or between*
22 *United States intelligence agencies, executive agencies,*
23 *and executive offices of the most likely source or ori-*
24 *gin of the SARS-CoV-2 virus, and the basis for such*
25 *variance or dissent;*

1 (3) a description of all steps the United States
2 Government has taken to identify and investigate the
3 source of the SARS-CoV-2 virus, including a
4 timeline of such efforts;

5 (4) a detailed description of the data to which
6 the United States and the WHO have requested and
7 have access to in order to determine the origin of the
8 source of the SARS-CoV-2 virus;

9 (5) an account of efforts by the PRC to cooperate
10 with, impede, or obstruct any inquiry or investiga-
11 tion to determine the source and transmission of
12 SARS-CoV-2 virus, including into a possible lab
13 leak, or to create or spread misinformation or
14 disinformation regarding the source and transmission
15 of SARS-CoV-2 virus by the PRC or CCP, including
16 by national and local governmental and health enti-
17 ties;

18 (6) a detailed account of information known to
19 the United States Government regarding the WIV and
20 associated facilities, including research activities on
21 coronaviruses and gain-of-function research, any re-
22 ported illnesses of persons associated with the labora-
23 tory with symptoms consistent with COVID-19 and
24 the ultimate diagnosis, and a timeline of research rel-
25 evant to coronaviruses;

1 (7) a list of any known obligations on the PRC
2 that require disclosure and cooperation in the event of
3 a viral outbreak like SARS-CoV-2; and

4 (8) an overview of United States engagement
5 with the PRC with respect to coronaviruses that in-
6 cludes—

7 (A) a detailed accounting of United States
8 engagement with the WIV and similar labs in
9 the PRC specific to coronaviruses, including a
10 detailed accounting of United States Govern-
11 ment-sponsored research and funding and diplo-
12 matic engagements such as “track 1.5” and
13 “track 2” engagements; and

14 (B) an assessment of any additional scru-
15 tiny of United States Government funding to
16 support gain-of-function research in the PRC
17 after the moratorium on such funding was lifted
18 in 2017, and whether United States Government
19 funding was used to support gain-of-function re-
20 search in the PRC, during the moratorium on
21 gain-of-function research (2014–2017).

22 (c) *FORM.*—The report required by subsection (b) shall
23 be submitted in unclassified form but may include a classi-
24 fied annex.

1 (d) *APPROPRIATE COMMITTEES OF CONGRESS DE-*
2 *FINED.*—*In this section, the term “appropriate committees*
3 *of Congress” means—*

4 (1) *the Committee on Foreign Relations of the*
5 *Senate;*

6 (2) *the Select Committee on Intelligence of the*
7 *Senate;*

8 (3) *the Committee on Health, Education, Labor,*
9 *and Pensions of the Senate;*

10 (4) *the Committee on Energy and Natural Re-*
11 *sources of the Senate;*

12 (5) *the Committee on Foreign Affairs of the*
13 *House of Representatives;*

14 (6) *the Permanent Select Committee on Intel-*
15 *ligence of the House of Representatives; and*

16 (7) *the Committee on Energy and Commerce of*
17 *the House of Representatives.*

18 **SEC. 3218. ENHANCEMENT OF DIPLOMATIC SUPPORT AND**
19 **ECONOMIC ENGAGEMENT WITH PACIFIC IS-**
20 **LAND COUNTRIES.**

21 (a) *AUTHORITY.*—*The Secretary of State and Sec-*
22 *retary of Commerce are authorized to hire Locally Em-*
23 *ployed Staff in Pacific island countries for the purpose of*
24 *providing increased diplomatic support and promoting in-*

1 *creased economic and commercial engagement between the*
2 *United States and Pacific Island countries.*

3 *(b) AVAILABILITY OF FUNDS.—*

4 *(1) IN GENERAL.—Of the amounts authorized to*
5 *be appropriated or otherwise made available to the*
6 *Department of State and the Department of Com-*
7 *merce for fiscal year 2022, not more than*
8 *\$10,000,000, respectively, shall be available to carry*
9 *out the purposes of this section.*

10 *(2) TERMINATION.—The availability of funds in*
11 *paragraph (1) shall expire on October 1, 2026.*

12 *(c) REPORT.—Not later than one year after the date*
13 *of the enactment of this Act, and annually thereafter for*
14 *5 years, the Secretary of State and the Secretary of Com-*
15 *merce shall provide to the appropriate committees of Con-*
16 *gress a report on the activities of the Department of State*
17 *and Department of Commerce Locally Employed Staff in*
18 *Pacific island countries, which shall include—*

19 *(1) a detailed description of the additional diplo-*
20 *matic, economic, and commercial engagement and ac-*
21 *tivities in the Pacific island countries provided by*
22 *Locally Employed Staff; and*

23 *(2) an assessment of the impact of the activities*
24 *with respect to the diplomatic, economic, and security*
25 *interests of the United States.*

1 (d) *EXCEPTION FOR AMERICAN SAMOA.*—*The Sec-*
2 *retary of State may, as appropriate, treat the territory of*
3 *American Samoa as a foreign country for purposes of car-*
4 *rying out this section.*

5 (e) *APPROPRIATE COMMITTEES OF CONGRESS DE-*
6 *FINED.*—*In this section, the term “appropriate committees*
7 *of Congress” means—*

8 (1) *the Committee on Foreign Relations, the*
9 *Committee on Commerce, Science, and Transpor-*
10 *tation, the Committee on Energy and Natural Re-*
11 *sources, and the Committee on Appropriations of the*
12 *Senate; and*

13 (2) *the Committee on Foreign Affairs, the Com-*
14 *mittee on Energy and Commerce, the Committee on*
15 *Natural Resources, and the Committee on Appropria-*
16 *tions of the House of Representatives.*

17 **SEC. 3219. INCREASING DEPARTMENT OF STATE PER-**
18 **SONNEL AND RESOURCES DEVOTED TO THE**
19 **INDO-PACIFIC.**

20 (a) *FINDINGS.*—*Congress makes the following findings:*

21 (1) *In fiscal year 2020, the Department of State*
22 *allocated \$1,500,000,000 to the Indo-Pacific region in*
23 *bilateral and regional foreign assistance (FA) re-*
24 *sources, including as authorized by section 201(b) of*
25 *the Asia Reassurance Initiative Act of 2018 (Public*

1 *Law 115–409; 132 Stat. 5391), and \$798,000,000 in*
2 *the fiscal year 2020 diplomatic engagement (DE)*
3 *budget. These amounts represent only 5 percent of the*
4 *DE budget and only 4 percent of the total Depart-*
5 *ment of State-USAID budget.*

6 (2) *Over the last 5 years the DE budget and per-*
7 *sonnel levels in the Indo-Pacific averaged only 5 per-*
8 *cent of the total, while FA resources averaged only 4*
9 *percent of the total.*

10 (3) *In 2020, the Department of State began a*
11 *process to realign certain positions at posts to ensure*
12 *that its personnel footprint matches the demands of*
13 *great-power competition, including in the Indo-Pa-*
14 *cific.*

15 (b) *SENSE OF CONGRESS.—It is the sense of Congress*
16 *that—*

17 (1) *the size of the United States diplomatic corps*
18 *must be sufficient to meet the current and emerging*
19 *challenges of the 21st century, including those posed*
20 *by the PRC in the Indo-Pacific region and elsewhere;*

21 (2) *the increase must be designed to meet the ob-*
22 *jectives of an Indo-Pacific strategy focused on*
23 *strengthening the good governance and sovereignty of*
24 *states that adhere to and uphold the rules-based inter-*
25 *national order; and*

1 (3) *the increase must be implemented with a*
2 *focus on increased numbers of economic, political, and*
3 *public diplomacy officers, representing a cumulative*
4 *increase of at least 200 foreign service officer general-*
5 *ists, to—*

6 (A) *advance free, fair, and reciprocal trade*
7 *and open investment environments for United*
8 *States companies, and engaged in increased com-*
9 *mercial diplomacy in key markets;*

10 (B) *better articulate and explain United*
11 *States policies, strengthen civil society and*
12 *democratic principles, enhance reporting on Chi-*
13 *nese the PRC's global activities, promote people-*
14 *to-people exchanges, and advance United States*
15 *influence; and*

16 (C) *increase capacity at small- and me-*
17 *dium-sized embassies and consulates in the Indo-*
18 *Pacific and other regions around the world, as*
19 *necessary.*

20 (c) *STATEMENT OF POLICY.—*

21 (1) *It shall be the policy of the United States to*
22 *ensure Department of State funding levels and per-*
23 *sonnel footprint in the Indo-Pacific reflect the region's*
24 *high degree of importance and significance to United*
25 *States political, economic, and security interests.*

1 (2) *It shall be the policy of the United States to*
2 *increase DE and FA funding and the quantity of per-*
3 *sonnel dedicated to the Indo-Pacific region respective*
4 *to the Department of State’s total budget.*

5 (3) *It shall be the policy of the United States to*
6 *increase the number of resident Defense attachés in*
7 *the Indo-Pacific region, particularly in locations*
8 *where the People’s Republic of China has a resident*
9 *military attaché but the United States does not, to as-*
10 *sure coverage of all appropriate posts.*

11 (d) *ACTION PLAN.*—*Not later than 180 days after the*
12 *date of the enactment of this Act, the Secretary of State*
13 *shall provide to the appropriate committees of Congress an*
14 *action plan with the following elements:*

15 (1) *Identification of requirements to advance*
16 *United States strategic objectives in the Indo-Pacific*
17 *and the personnel and budgetary resources needed to*
18 *meet them, assuming an unconstrained resource envi-*
19 *ronment.*

20 (2) *A plan to increase the portion of the Depart-*
21 *ment’s budget dedicated to the Indo-Pacific in terms*
22 *of DE and FA focused on development, economic, and*
23 *security assistance.*

24 (3) *A plan to increase the number of positions*
25 *at posts in the Indo-Pacific region and bureaus with*

1 *responsibility for the Indo-Pacific region, including a*
2 *description of increases at each post or bureau, a*
3 *breakdown of increases by cone, and a description of*
4 *how such increases in personnel will advance United*
5 *States strategic objectives in the Indo-Pacific region.*

6 (4) *Defined concrete and annual benchmarks*
7 *that the Department will meet in implementing the*
8 *action plan.*

9 (5) *A description of any barriers to imple-*
10 *menting the action plan.*

11 (e) *UPDATES TO REPORT AND BRIEFING.—Every 90*
12 *days after the submission of the action plan described in*
13 *subsection (c) until September 30, 2030, the Secretary shall*
14 *submit an update and brief the appropriate committees of*
15 *Congress on the implementation of such action plan, with*
16 *supporting data and including a detailed assessment of*
17 *benchmarks reached.*

18 (f) *AUTHORIZATION OF APPROPRIATIONS.—There is*
19 *authorized to be appropriated, for fiscal year 2022,*
20 *\$2,000,000,000 in bilateral and regional foreign assistance*
21 *resources to carry out the purposes of part 1 and chapter*
22 *4 of part II of the Foreign Assistance Act of 1961 (22 U.S.C.*
23 *2151 et seq., 2346 et seq.) to the Indo-Pacific region and*
24 *\$1,250,000,000 in diplomatic engagement resources to the*
25 *Indo-Pacific region.*

1 (g) *INCLUSION OF AMOUNTS APPROPRIATED PURSU-*
2 *ANT TO ASIA REASSURANCE INITIATIVE ACT OF 2018.*—
3 *Amounts authorized to be appropriated under subsection (f)*
4 *include funds authorized to be appropriated pursuant to*
5 *section 201(b) of the Asia Reassurance Initiative Act of*
6 *2018 (Public Law 115–409).*

7 (h) *SECRETARY OF STATE CERTIFICATION.*—*Not later*
8 *than 2 years after the date of the enactment of this Act,*
9 *the Secretary of State shall certify, to the appropriate com-*
10 *mittees of Congress, whether or not the benchmarks de-*
11 *scribed in the action plan in subsection (c) have been met.*
12 *This certification is non-delegable.*

13 **SEC. 3219A. ADVANCING UNITED STATES LEADERSHIP IN**
14 **THE UNITED NATIONS SYSTEM.**

15 (a) *ESTABLISHMENT.*—

16 (1) *IN GENERAL.*—*The Secretary of State shall*
17 *establish, within the Bureau of International Organi-*
18 *zation Affairs of the Department of State, a Special*
19 *Representative for Advancing United States Leader-*
20 *ship in the United Nations (referred to in this section*
21 *as the “Special Representative”). The Special Rep-*
22 *resentative shall serve concurrently as a Deputy As-*
23 *istant Secretary in the Bureau of International Or-*
24 *ganization Affairs of the Department of State. The*
25 *Special Representative shall report directly to the As-*

1 *stant Secretary for the Bureau of International Or-*
2 *ganization Affairs, in coordination and consultation*
3 *with the Representative of the United States to the*
4 *United Nations.*

5 *(b) RESPONSIBILITIES.—The Special Representative*
6 *shall assume responsibility for—*

7 *(1) promoting United States leadership and par-*
8 *ticipation in the United Nations system, with a focus*
9 *on issue areas where authoritarian nations are exer-*
10 *cising increased influence in and determining the*
11 *agenda of the United Nations system;*

12 *(2) highlighting how investments in the United*
13 *Nations advance United States interests and enable*
14 *stronger coalitions to hold authoritarian regimes to*
15 *account;*

16 *(3) ensuring United States emphasis on the need*
17 *for United Nations employees to uphold the principals*
18 *of impartiality enshrined in the United Nations char-*
19 *ter, rules, and regulations;*

20 *(4) monitoring and developing and imple-*
21 *menting plans to counter undue influence, especially*
22 *by authoritarian nations, within the United Nations*
23 *system;*

24 *(5) assessing how United States decisions to*
25 *withdraw from United Nations bodies impacts United*

1 *States influence at the United Nations and multilat-*
2 *eral global initiatives;*

3 *(6) promoting the participation and inclusion of*
4 *Taiwan in the United Nations system;*

5 *(7) monitoring the pipeline of United Nations*
6 *jobs and identifying qualified Americans and other*
7 *qualified nationals to promote for these positions;*

8 *(8) tracking leadership changes in United Na-*
9 *tions secretariat, funds, programs and agencies, and*
10 *developing strategies to ensure that coalitions of like-*
11 *minded states are assembled to ensure leadership*
12 *roles are not won by countries that do not share*
13 *United States interests;*

14 *(9) advancing other priorities deemed relevant*
15 *by the Secretary of State to ensuring the integrity of*
16 *the United Nations system;*

17 *(10) eliminating current barriers to the employ-*
18 *ment of United States nationals in the United Na-*
19 *tions Secretariat, funds, programs, and agencies; and*

20 *(11) increasing the number of qualified United*
21 *States candidates for leadership and oversight posi-*
22 *tions at the United Nations Secretariat, funds, pro-*
23 *grams, agencies, and at other international organiza-*
24 *tions.*

1 (c) *SUPPORT.*—*The Secretary of State shall make any*
2 *necessary adjustments to the current structure of the Bureau*
3 *of International Organization Affairs, including the respec-*
4 *tive roles and responsibilities of offices in that Bureau, to*
5 *ensure appropriate support for the mission and work of the*
6 *Special Representative.*

7 (d) *AUTHORIZATION OF APPROPRIATIONS.*—*There is*
8 *authorized to be appropriated \$5,000,000 for fiscal years*
9 *2022 through 2026 to carry out the responsibilities under*
10 *subsection (b).*

11 **SEC. 3219B. ASIA REASSURANCE INITIATIVE ACT OF 2018.**

12 (a) *SENSE OF CONGRESS.*—*It is the sense of Congress*
13 *that—*

14 (1) *the Indo-Pacific region is home to many of*
15 *the world’s most dynamic democracies, economic op-*
16 *portunities, as well as many challenges to United*
17 *States interests and values as a result of the growth*
18 *in authoritarian governance in the region and by*
19 *broad challenges posed by nuclear proliferation, the*
20 *changing environment, and deteriorating adherence to*
21 *human rights principles and obligations;*

22 (2) *the People’s Republic of China poses a par-*
23 *ticular threat as it repeatedly violates internationally*
24 *recognized human rights, engages in unfair economic*
25 *and trade practices, disregards international laws*

1 *and norms, coerces its neighbors, engages in malign*
2 *influence operations, and enables global digital*
3 *authoritarianism;*

4 *(3) the Asia Reassurance Initiative Act of 2018*
5 *(referred to in this section as “ARIA”) enhances the*
6 *United States’ commitment in the Indo-Pacific region*
7 *by—*

8 *(A) expanding its defense cooperation with*
9 *its allies and partners;*

10 *(B) investing in democracy and the protec-*
11 *tion of human rights;*

12 *(C) engaging in cybersecurity initiatives;*
13 *and*

14 *(D) supporting people-to-people engagement*
15 *and other shared priorities; and*

16 *(4) the 2019 Department of Defense Indo-Pacific*
17 *Strategy Report concludes that ARIA “enshrines a*
18 *generational whole-of-government policy framework*
19 *that demonstrates U.S. commitment to a free and*
20 *open Indo-Pacific region”.*

21 *(b) AUTHORIZATION OF APPROPRIATIONS.—The Asia*
22 *Reassurance Initiative Act of 2018 (Public Law 115–409)*
23 *is amended—*

24 *(1) in section 201(b), by striking*
25 *“\$1,500,000,000 for each of the fiscal years 2019*

1 *through 2023” and inserting “\$2,000,000,000 for each*
2 *of the fiscal years 2022 through 2026”;*

3 (2) *in section 215(b), by striking “2023” and in-*
4 *serting “2026”;*

5 (3) *in section 306(a)—*

6 (A) *in paragraph (1), by striking “5 years”*
7 *and inserting “8 years”; and*

8 (B) *in paragraph (2), by striking “2023”*
9 *and inserting “2026”;*

10 (4) *in section 409(a)(1), by striking “2023” and*
11 *inserting “2026”;*

12 (5) *in section 410—*

13 (A) *in subsection (c), by striking “2023”*
14 *and inserting “2026”; and*

15 (B) *in subsection (d), in the matter pre-*
16 *ceding paragraph (1), by striking “2023” and*
17 *inserting “2026”; and*

18 (6) *in section 411, by striking “2023” and in-*
19 *serting “2026”.*

20 **SEC. 3219C. STATEMENT OF POLICY ON NEED FOR RECI-**
21 **PROCITY IN THE RELATIONSHIP BETWEEN**
22 **THE UNITED STATES AND THE PEOPLE’S RE-**
23 **PUBLIC OF CHINA.**

24 (a) *STATEMENT OF POLICY.—It is the policy of the*
25 *United States—*

1 (1) *to clearly differentiate, in official statements,*
2 *media communications, and messaging, between the*
3 *people of China and the Communist Party of China;*

4 (2) *that any negotiations toward a trade agree-*
5 *ment with the People’s Republic of China should be*
6 *concluded in a manner that addresses unfair trading*
7 *practices by the People’s Republic of China;*

8 (3) *that such an agreement should, to the extent*
9 *possible—*

10 (A) *ensure that the People’s Republic of*
11 *China commits to structural changes in its trade*
12 *and economic policies;*

13 (B) *hold the People’s Republic of China ac-*
14 *countable to those commitments; and*

15 (C) *promote access to reciprocal direct in-*
16 *vestment; and*

17 (4) *to seek and develop a relationship with the*
18 *People’s Republic of China that is founded on the*
19 *principles of basic reciprocity across sectors, includ-*
20 *ing economic, diplomatic, educational, and commu-*
21 *nications sectors.*

22 (b) *REPORT REQUIRED.—*

23 (1) *IN GENERAL.—Not later than 180 days after*
24 *the date of the enactment of this Act, the Secretary of*
25 *State, in consultation with other relevant Federal de-*

1 *partments and agencies, shall submit to the appro-*
2 *prate congressional committees a report on the man-*
3 *ner in which the Government of the People's Republic*
4 *of China creates barriers to the work of United States*
5 *diplomats and other officials, journalists, and busi-*
6 *nesses, and nongovernmental organizations based in*
7 *the United States, in the People's Republic of China.*

8 (2) *ELEMENTS.*—*The report required by para-*
9 *graph (1) shall include the following:*

10 (A) *A summary of obstacles that United*
11 *States diplomats and other officials, journalists,*
12 *and businesses encounter in carrying out their*
13 *work in the People's Republic of China.*

14 (B) *A summary of the obstacles Chinese*
15 *diplomats and other officials, journalists, and*
16 *businesses encounter while working in the United*
17 *States.*

18 (C) *A description of the efforts that officials*
19 *of the United States have made to rectify any*
20 *differences in the treatment of diplomats and*
21 *other officials, journalists, and businesses by the*
22 *United States and by the People's Republic of*
23 *China, and the results of those efforts.*

24 (D) *An assessment of the adherence of the*
25 *Government of the People's Republic of China, in*

1 *its treatment of United States citizens, to the re-*
2 *quirements of—*

3 *(i) the Convention on Consular Rela-*
4 *tions, done at Vienna April 24, 1963, and*
5 *entered into force March 19, 1967 (21*
6 *U.S.T. 77); and*

7 *(ii) the Consular Convention, signed at*
8 *Washington September 17, 1980, and en-*
9 *tered into force February 19, 1982, between*
10 *the United States and the People’s Republic*
11 *of China.*

12 *(E) An assessment of any impacts of the*
13 *People’s Republic of China’s internet restrictions*
14 *on reciprocity between the United States and the*
15 *People’s Republic of China.*

16 *(F) A summary of other notable areas where*
17 *the Government of the People’s Republic of*
18 *China or entities affiliated with that Govern-*
19 *ment are able to conduct activities or invest-*
20 *ments in the United States but that are denied*
21 *to United States entities in the People’s Republic*
22 *of China.*

23 *(G) Recommendations on efforts that the*
24 *Government of the United States could undertake*
25 *to improve reciprocity in the relationship be-*

1 *tween the United States and the People’s Repub-*
2 *lic of China.*

3 (3) *FORM OF REPORT; AVAILABILITY.—*

4 (A) *FORM.—The report required by para-*
5 *graph (1) shall be submitted in unclassified*
6 *form, but may include a classified index.*

7 (B) *AVAILABILITY.—The unclassified por-*
8 *tion of the report required by paragraph (1)*
9 *shall be posted on a publicly available internet*
10 *website of the Department of State.*

11 (4) *APPROPRIATE CONGRESSIONAL COMMITTEES*
12 *DEFINED.—In this subsection, the term “appropriate*
13 *congressional committees” means the Committee on*
14 *Foreign Relations of the Senate and the Committee on*
15 *Foreign Affairs of the House of Representatives.*

16 (c) *RECIPROCITY DEFINED.—In this section, the term*
17 *“reciprocity” means the mutual and equitable exchange of*
18 *privileges between governments, countries, businesses, or in-*
19 *dividuals.*

20 **SEC. 3219D. OPPOSITION TO PROVISION OF ASSISTANCE TO**
21 **PEOPLE’S REPUBLIC OF CHINA BY ASIAN DE-**
22 **VELOPMENT BANK.**

23 (a) *FINDINGS.—Congress makes the following findings:*

24 (1) *Through the Asian Development Bank, coun-*
25 *tries are eligible to borrow from the Bank until they*

1 *can manage long-term development and access to cap-*
2 *ital markets without financial resources from the*
3 *Bank.*

4 (2) *The Bank uses the gross national income per*
5 *capita benchmark used by the International Bank for*
6 *Reconstruction and Development to trigger the grad-*
7 *uation process. For fiscal year 2021, the graduation*
8 *discussion income is a gross national income per cap-*
9 *ita exceeding \$7,065.*

10 (3) *The People’s Republic of China exceeded the*
11 *graduation discussion income threshold in 2016.*

12 (4) *Since 2016, the Asian Development Bank has*
13 *continued to approve loans and technical assistance*
14 *to the People’s Republic of China totaling*
15 *\$7,600,000,000. The Bank has also approved non-sov-*
16 *ereign commitments in the People’s Republic of China*
17 *totaling \$1,800,000,000 since 2016.*

18 (5) *The World Bank calculates the People’s Re-*
19 *public of China’s most recent year (2019) gross na-*
20 *tional income per capita as \$10,390.*

21 (b) *STATEMENT OF POLICY.—It is the policy of the*
22 *United States to oppose any additional lending from the*
23 *Asian Development Bank to the People’s Republic of China*
24 *as a result of the People’s Republic of China’s successful*

1 *graduation from the eligibility requirements for assistance*
2 *from the Bank.*

3 (c) *OPPOSITION TO LENDING TO PEOPLE’S REPUBLIC*
4 *OF CHINA.—The Secretary of the Treasury shall instruct*
5 *the United States Executive Director of the Asian Develop-*
6 *ment Bank to use the voice, vote, and influence of the*
7 *United States to oppose any loan or extension of financial*
8 *or technical assistance by the Asian Development Bank to*
9 *the People’s Republic of China.*

10 **SEC. 3219E. OPPOSITION TO PROVISION OF ASSISTANCE TO**
11 **PEOPLE’S REPUBLIC OF CHINA BY INTER-**
12 **NATIONAL BANK FOR RECONSTRUCTION AND**
13 **DEVELOPMENT.**

14 (a) *FINDINGS.—Congress makes the following findings:*

15 (1) *The People’s Republic of China is the world’s*
16 *second largest economy and a major global lender.*

17 (2) *In February 2021, the People’s Republic of*
18 *China’s foreign exchange reserves totaled more than*
19 *\$3,200,000,000,000.*

20 (3) *The World Bank classifies the People’s Re-*
21 *public of China as having an upper-middle-income*
22 *economy.*

23 (4) *On February 25, 2021, President Xi Jinping*
24 *announced “complete victory” over extreme poverty in*
25 *the People’s Republic of China.*

1 (5) *The Government of the People’s Republic of*
2 *China utilizes state resources to create and promote*
3 *the Asian Infrastructure Investment Bank, the New*
4 *Development Bank, and the Belt and Road Initiative.*

5 (6) *The People’s Republic of China is the world’s*
6 *largest official creditor.*

7 (7) *Through the International Bank for Recon-*
8 *struction and Development, countries are eligible to*
9 *borrow from the Bank until they can manage long-*
10 *term development and access to capital markets with-*
11 *out financial resources from the Bank.*

12 (8) *The World Bank reviews the graduation of a*
13 *country from eligibility to borrow from the Inter-*
14 *national Bank for Reconstruction and Development*
15 *once the country reaches the graduation discussion in-*
16 *come, which is equivalent to the gross national in-*
17 *come. For fiscal year 2021, the graduation discussion*
18 *income is a gross national income per capita exceed-*
19 *ing \$7,065.*

20 (9) *The People’s Republic of China exceeded the*
21 *graduation discussion income threshold in 2016.*

22 (10) *Since 2016, the International Bank for Re-*
23 *construction and Development has approved projects*
24 *totaling \$8,930,000,000 to the People’s Republic of*
25 *China.*

1 (11) *The World Bank calculates the People’s Re-*
2 *public of China’s most recent year (2019) gross na-*
3 *tional income per capita as \$10,390.*

4 (b) *STATEMENT OF POLICY.—It is the policy of the*
5 *United States to oppose any additional lending from the*
6 *International Bank for Reconstruction and Development to*
7 *the People’s Republic of China as a result of the People’s*
8 *Republic of China’s successful graduation from the eligi-*
9 *bility requirements for assistance from the Bank.*

10 (c) *OPPOSITION TO LENDING TO PEOPLE’S REPUBLIC*
11 *OF CHINA.—The Secretary of the Treasury shall instruct*
12 *the United States Executive Director of the International*
13 *Bank for Reconstruction and Development to use the voice,*
14 *vote, and influence of the United States—*

15 (1) *to oppose any loan or extension of financial*
16 *or technical assistance by the International Bank for*
17 *Reconstruction and Development to the People’s Re-*
18 *public of China; and*

19 (2) *to end lending and assistance to countries*
20 *that exceed the graduation discussion income of the*
21 *Bank.*

22 (d) *REPORT REQUIRED.—Not later than one year*
23 *after the date of the enactment of this Act, and annually*
24 *thereafter, the Secretary of the Treasury shall submit to the*
25 *Committee on Foreign Relations of the Senate and the Com-*

1 *mittee on Financial Services and the Committee on Foreign*
 2 *Affairs of the House of Representatives a report that in-*
 3 *cludes—*

4 (1) *an assessment of the status of borrowing by*
 5 *the People’s Republic of China from the World Bank;*

6 (2) *a list of countries that have exceeded the*
 7 *graduation discussion income at the International*
 8 *Bank for Reconstruction and Development;*

9 (3) *a list of countries that have graduated from*
 10 *eligibility for assistance from the Bank; and*

11 (4) *a description of the efforts taken by the*
 12 *United States to graduate countries from such eligi-*
 13 *bility once they exceed the graduation discussion in-*
 14 *come.*

15 **SEC. 3219F. UNITED STATES POLICY ON CHINESE AND RUS-**
 16 **SIAN GOVERNMENT EFFORTS TO UNDERMINE**
 17 **THE UNITED NATIONS SECURITY COUNCIL**
 18 **ACTION ON HUMAN RIGHTS.**

19 (a) *SENSE OF CONGRESS.—Congress—*

20 (1) *notes with growing concern that the People’s*
 21 *Republic of China and Russia have, at the United*
 22 *Nations, aligned with one another in blocking Secu-*
 23 *rity Council action on Syria, Myanmar, Zimbabwe,*
 24 *Venezuela, and other countries credibly accused of*
 25 *committing human rights abuses;*

1 (2) recognizes that it is not only the use of the
2 *veto on the United Nations Security Council, but also*
3 *the threat of the use of a veto, that can prevent the*
4 *Security Council from taking actions aimed at pro-*
5 *tecting human rights;*

6 (3) condemns efforts by China and Russia to un-
7 *dermine United Nations Security Council actions*
8 *aimed at censuring governments credibly accused of*
9 *committing or permitting the commission of human*
10 *rights violations; and*

11 (4) denounces the tactical alignment between the
12 *People's Republic of China and Russia within the*
13 *United Nations Security Council to challenge the pro-*
14 *tection of human rights and the guarantee of humani-*
15 *tarian access.*

16 (b) *STATEMENT OF POLICY.—It shall be the policy of*
17 *the United States to—*

18 (1) *reaffirm its commitment to maintain inter-*
19 *national peace and security, develop friendly relations*
20 *among nations, and cooperate in solving inter-*
21 *national problems and promoting respect for human*
22 *rights;*

23 (2) *highlight efforts by the People's Republic of*
24 *China and Russia to undermine international peace*

1 *and security, protect human rights, and guarantee*
2 *humanitarian access to those in need;*

3 *(3) increase the role and presence of the United*
4 *States at the United Nations and its constituent bod-*
5 *ies to advance United States interests, including by*
6 *counteracting malign Chinese and Russian influence;*
7 *and*

8 *(4) urge allies and like-minded partners to work*
9 *together with the United States to overcome Chinese*
10 *and Russian efforts to weaken the United Nations Se-*
11 *curity Council by preventing it from carrying out its*
12 *core mandate.*

13 **SEC. 3219G. DETERRING PRC USE OF FORCE AGAINST TAI-**
14 **WAN.**

15 *(a) APPROPRIATE COMMITTEES OF CONGRESS DE-*
16 *FINED.—In this section, the term “appropriate committees*
17 *of Congress” means—*

18 *(1) the Committee on Foreign Relations, the*
19 *Committee on Armed Services, the Committee on*
20 *Banking, Housing, and Urban Affairs, the Committee*
21 *on Commerce, Science, and Transportation, and the*
22 *Select Committee on Intelligence of the Senate; and*

23 *(2) the Committee on Foreign Affairs, the Com-*
24 *mittee on Armed Services, the Committee on Finan-*
25 *cial Services, the Committee on Energy and Com-*

1 *merce, and the Permanent Select Committee on Intel-*
2 *ligence of the House of Representatives.*

3 *(b) STATEMENT OF POLICY.—It shall be the policy of*
4 *the United States—*

5 *(1) to strenuously oppose any action by the Peo-*
6 *ple’s Republic of China to use force to change the sta-*
7 *tus quo of Taiwan; and*

8 *(2) that, in order to deter the use of force by the*
9 *People’s Republic of China to change the status quo*
10 *of Taiwan, the United States should coordinate with*
11 *allies and partners to identify and develop significant*
12 *economic, diplomatic, and other measures to deter*
13 *and impose costs on any such action by the People’s*
14 *Republic of China, and to bolster deterrence by ar-*
15 *ticulating such policies publicly, as appropriate and*
16 *in alignment with United States interests.*

17 *(c) WHOLE-OF-GOVERNMENT REVIEW.—Not later than*
18 *14 days after the date of the enactment of this Act, the*
19 *President shall convene the heads of all relevant Federal de-*
20 *partments and agencies to conduct a whole-of-government*
21 *review of all available economic, diplomatic, and other*
22 *measures to deter the use of force by the People’s Republic*
23 *of China to change the status quo of Taiwan.*

24 *(d) BRIEFING REQUIRED.—Not later than 90 days*
25 *after the date of the enactment of this Act, and every 90*

1 *days thereafter for 5 years, the Secretary of State, the Sec-*
2 *retary of the Treasury, the Secretary of Defense, the Sec-*
3 *retary of Commerce, the Director of National Intelligence,*
4 *and any other relevant heads of Federal departments and*
5 *agencies shall brief the appropriate committees of Congress*
6 *on all available economic, diplomatic, and other strategic*
7 *measures to deter PRC use of force to change the status quo*
8 *of Taiwan and provide a detailed description and review*
9 *of—*

10 (1) *efforts to date by the United States Govern-*
11 *ment to deter the use of force by the People’s Republic*
12 *of China to change the status quo of Taiwan; and*

13 (2) *progress to date of all coordination efforts be-*
14 *tween the United States Government and its allies*
15 *and partners with respect to deterring the use of force*
16 *to change the status quo of Taiwan.*

17 (e) *COORDINATED CONSEQUENCES WITH ALLIES AND*
18 *PARTNERS.—The Secretary of State shall coordinate with*
19 *United States allies and partners to identify and develop*
20 *significant economic, diplomatic, and other measures to*
21 *deter the use of force by the People’s Republic of China to*
22 *change the status quo of Taiwan.*

1 **SEC. 3219H. STRATEGY TO RESPOND TO SHARP POWER OP-**
2 **ERATIONS TARGETING TAIWAN.**

3 (a) *IN GENERAL.*—Not later than 180 days after the
4 date of the enactment of this Act, the Secretary of State
5 shall develop and implement a strategy to respond to sharp
6 power operations and the united front campaign supported
7 by the Government of the People’s Republic of China and
8 the Chinese Communist Party that are directed toward per-
9 sons or entities in Taiwan.

10 (b) *ELEMENTS.*—The strategy required under sub-
11 section (a) shall include the following elements:

12 (1) *Development of a response to PRC propa-*
13 *ganda and disinformation campaigns and cyber-in-*
14 *trusions targeting Taiwan, including—*

15 (A) *assistance in building the capacity of*
16 *the Taiwan government and private-sector enti-*
17 *ties to document and expose propaganda and*
18 *disinformation supported by the Government of*
19 *the People’s Republic of China, the Chinese Com-*
20 *munist Party, or affiliated entities;*

21 (B) *assistance to enhance the Taiwan gov-*
22 *ernment’s ability to develop a whole-of-govern-*
23 *ment strategy to respond to sharp power oper-*
24 *ations, including election interference; and*

1 (C) *media training for Taiwan officials and*
2 *other Taiwan entities targeted by disinformation*
3 *campaigns.*

4 (2) *Development of a response to political influ-*
5 *ence operations that includes an assessment of the ex-*
6 *tent of influence exerted by the Government of the*
7 *People’s Republic of China and the Chinese Com-*
8 *munist Party in Taiwan on local political parties, fi-*
9 *nancial institutions, media organizations, and other*
10 *entities.*

11 (3) *Support for exchanges and other technical as-*
12 *sistance to strengthen the Taiwan legal system’s abil-*
13 *ity to respond to sharp power operations.*

14 (4) *Establishment of a coordinated partnership,*
15 *through the Global Cooperation and Training Frame-*
16 *work, with like-minded governments to share data*
17 *and best practices with the Government of Taiwan on*
18 *ways to address sharp power operations supported by*
19 *the Government of the People’s Republic of China and*
20 *the Chinese Communist Party.*

21 **SEC. 3219I. STUDY AND REPORT ON BILATERAL EFFORTS**
22 **TO ADDRESS CHINESE FENTANYL TRAF-**
23 **FICKING.**

24 (a) *FINDINGS.*—*Congress finds the following:*

1 (1) *In January 2020, the DEA named China as*
2 *the primary source of United States-bound illicit*
3 *fentanyl and synthetic opioids.*

4 (2) *While in 2019 China instituted domestic con-*
5 *trols on the production and exportation of fentanyl,*
6 *some of its variants, and two precursors known as*
7 *NPP and 4-ANPP, China has not yet expanded its*
8 *class scheduling to include many fentanyl precursors*
9 *such as 4-AP, which continue to be trafficked to sec-*
10 *ond countries in which they are used in the final pro-*
11 *duction of United States-bound fentanyl and other*
12 *synthetic opioids.*

13 (3) *The DEA currently maintains a presence in*
14 *Beijing but continues to seek Chinese approval to*
15 *open offices in the major shipping hubs of Guangzhou*
16 *and Shanghai.*

17 (b) *DEFINITIONS.—In this section:*

18 (1) *APPROPRIATE COMMITTEES OF CONGRESS.—*
19 *The term “appropriate committees of Congress”*
20 *means—*

21 (A) *the Committee on the Judiciary of the*
22 *Senate;*

23 (B) *the Committee on Foreign Relations of*
24 *the Senate;*

1 (C) the Committee on the Judiciary of the
2 House of Representative; and

3 (D) the Committee on Foreign Affairs of the
4 House of Representatives.

5 (2) CHINA.—The term “China” means the Peo-
6 ple’s Republic of China.

7 (3) DEA.—The term “DEA” means the Drug
8 Enforcement Administration.

9 (4) PRECURSORS.—The term “precursors” means
10 chemicals used in the illicit production of fentanyl
11 and related synthetic opioid variants.

12 (c) CHINA’S CLASS SCHEDULING OF FENTANYL AND
13 SYNTHETIC OPIOID PRECURSORS.—Not later than 180
14 days after the date of the enactment of this Act, the Sec-
15 retary of State and Attorney General shall submit to the
16 appropriate committees of Congress a written report—

17 (1) detailing a description of United States Gov-
18 ernment efforts to gain a commitment from the Chi-
19 nese Government to submit unregulated fentanyl pre-
20 cursors such as 4-AP to controls; and

21 (2) a plan for future steps the United States
22 Government will take to urge China to combat illicit
23 fentanyl production and trafficking originating in
24 China.

1 (d) *ESTABLISHMENT OF DEA OFFICES IN CHINA.*—
2 *Not later than 180 days after enactment of this Act, the*
3 *Secretary of State and Attorney General shall provide to*
4 *the appropriate committees of Congress a classified briefing*
5 *on—*

6 (1) *outreach and negotiations undertaken by the*
7 *United States Government with the Chinese Govern-*
8 *ment aimed at securing its approval for the establish-*
9 *ment of DEA offices in Shanghai and Guangzhou,*
10 *China; and*

11 (2) *additional efforts to establish new partner-*
12 *ships with provincial-level authorities to counter the*
13 *illicit trafficking of fentanyl, fentanyl analogues, and*
14 *their precursors.*

15 (e) *FORM OF REPORT.*—*The report required under*
16 *subsection (c) shall be unclassified with a classified annex.*

17 **SEC. 3219J. INVESTMENT, TRADE, AND DEVELOPMENT IN**

18 **AFRICA AND LATIN AMERICA AND THE CARIB-**

19 **BEAN.**

20 (a) *STRATEGY REQUIRED.*—

21 (1) *IN GENERAL.*—*The President shall establish*
22 *a comprehensive United States strategy for public*
23 *and private investment, trade, and development in*
24 *Africa and Latin America and the Caribbean.*

1 (2) *FOCUS OF STRATEGY.*—*The strategy required*
2 *by paragraph (1) shall focus on increasing exports of*
3 *United States goods and services to Africa and Latin*
4 *America and the Caribbean by 200 percent in real*
5 *dollar value by the date that is 10 years after the date*
6 *of the enactment of this Act.*

7 (3) *CONSULTATIONS.*—*In developing the strategy*
8 *required by paragraph (1), the President shall consult*
9 *with—*

10 (A) *Congress;*

11 (B) *each agency that is a member of the*
12 *Trade Promotion Coordinating Committee;*

13 (C) *the relevant multilateral development*
14 *banks, in coordination with the Secretary of the*
15 *Treasury and the respective United States Exec-*
16 *utive Directors of such banks;*

17 (D) *each agency that participates in the*
18 *Trade Policy Staff Committee established;*

19 (E) *the President's Export Council;*

20 (F) *each of the development agencies;*

21 (G) *any other Federal agencies with respon-*
22 *sibility for export promotion or financing and*
23 *development; and*

1 (H) *the private sector, including businesses,*
2 *nongovernmental organizations, and African and*
3 *Latin American and Caribbean diaspora groups.*

4 (4) *SUBMISSION TO CONGRESS.—*

5 (A) *STRATEGY.—Not later than 180 days*
6 *after the date of the enactment of this Act, the*
7 *President shall submit to Congress the strategy*
8 *required by subsection (a).*

9 (B) *PROGRESS REPORT.—Not later than 3*
10 *years after the date of the enactment of this Act,*
11 *the President shall submit to Congress a report*
12 *on the implementation of the strategy required*
13 *by paragraph (1).*

14 (b) *SPECIAL AFRICA AND LATIN AMERICA AND THE*
15 *CARIBBEAN EXPORT STRATEGY COORDINATORS.—The*
16 *President shall designate an individual to serve as Special*
17 *Africa Export Strategy Coordinator and an individual to*
18 *serve as Special Latin America and the Caribbean Export*
19 *Strategy Coordinator—*

20 (1) *to oversee the development and implementa-*
21 *tion of the strategy required by subsection (a); and*

22 (2) *to coordinate developing and implementing*
23 *the strategy with—*

24 (A) *the Trade Promotion Coordinating*
25 *Committee;*

1 (B) *the Assistant United States Trade Rep-*
2 *resentative for African Affairs or the Assistant*
3 *United States Trade Representative for the West-*
4 *ern Hemisphere, as appropriate;*

5 (C) *the Assistant Secretary of State for Af-*
6 *rican Affairs or the Assistant Secretary of State*
7 *for Western Hemisphere Affairs, as appropriate;*

8 (D) *the Export-Import Bank of the United*
9 *States;*

10 (E) *the United States International Devel-*
11 *opment Finance Corporation; and*

12 (F) *the development agencies.*

13 (c) *TRADE MISSIONS TO AFRICA AND LATIN AMERICA*
14 *AND THE CARIBBEAN.—It is the sense of Congress that, not*
15 *later than one year after the date of the enactment of this*
16 *Act, the Secretary of Commerce and other high-level officials*
17 *of the United States Government with responsibility for ex-*
18 *port promotion, financing, and development should conduct*
19 *joint trade missions to Africa and to Latin America and*
20 *the Caribbean.*

21 (d) *TRAINING.—The President shall develop a plan—*

22 (1) *to standardize the training received by*
23 *United States and Foreign Commercial Service offi-*
24 *cers, economic officers of the Department of State,*
25 *and economic officers of the United States Agency for*

1 *International Development with respect to the pro-*
2 *grams and procedures of the Export-Import Bank of*
3 *the United States, the United States International*
4 *Development Finance Corporation, the Small Busi-*
5 *ness Administration, and the United States Trade*
6 *and Development Agency; and*

7 (2) *to ensure that, not later than one year after*
8 *the date of the enactment of this Act—*

9 (A) *all United States and Foreign Commer-*
10 *cial Service officers that are stationed overseas*
11 *receive the training described in paragraph (1);*
12 *and*

13 (B) *in the case of a country to which no*
14 *United States and Foreign Commercial Service*
15 *officer is assigned, any economic officer of the*
16 *Department of State stationed in that country*
17 *receives that training.*

18 (e) *DEFINITIONS.—In this section:*

19 (1) *DEVELOPMENT AGENCIES.—The term “devel-*
20 *opment agencies” means the United States Depart-*
21 *ment of State, the United States Agency for Inter-*
22 *national Development, the Millennium Challenge Cor-*
23 *poration, the United States International Develop-*
24 *ment Finance Corporation, the United States Trade*
25 *and Development Agency, the United States Depart-*

1 *ment of Agriculture, and relevant multilateral devel-*
2 *opment banks.*

3 (2) *MULTILATERAL DEVELOPMENT BANKS.*—*The*
4 *term “multilateral development banks” has the mean-*
5 *ing given that term in section 1701(c)(4) of the Inter-*
6 *national Financial Institutions Act (22 U.S.C.*
7 *262r(c)(4)) and includes the African Development*
8 *Foundation.*

9 (3) *TRADE POLICY STAFF COMMITTEE.*—*The*
10 *term “Trade Policy Staff Committee” means the*
11 *Trade Policy Staff Committee established pursuant to*
12 *section 2002.2 of title 15, Code of Federal Regula-*
13 *tions.*

14 (4) *TRADE PROMOTION COORDINATING COM-*
15 *MITTEE.*—*The term “Trade Promotion Coordinating*
16 *Committee” means the Trade Promotion Coordi-*
17 *nating Committee established under section 2312 of*
18 *the Export Enhancement Act of 1988 (15 U.S.C.*
19 *4727).*

20 (5) *UNITED STATES AND FOREIGN COMMERCIAL*
21 *SERVICE.*—*The term “United States and Foreign*
22 *Commercial Service” means the United States and*
23 *Foreign Commercial Service established by section*
24 *2301 of the Export Enhancement Act of 1988 (15*
25 *U.S.C. 4721).*

1 **SEC. 3219K. FACILITATION OF INCREASED EQUITY INVEST-**
2 **MENTS UNDER THE BETTER UTILIZATION OF**
3 **INVESTMENTS LEADING TO DEVELOPMENT**
4 **ACT OF 2018.**

5 (a) *SENSE OF CONGRESS.*—*It is the sense of Congress*
6 *that support provided under section 1421(c)(1) of the Better*
7 *Utilization of Investments Leading to Development Act of*
8 *2018 (22 U.S.C. 9621(c)(1)) should be considered to be a*
9 *Federal credit program that is subject to the Federal Credit*
10 *Reform Act of 1990 (2 U.S.C. 661 et seq.) for purposes of*
11 *applying the requirements of such Act to such support.*

12 (b) *MAXIMUM CONTINGENT LIABILITY.*—*Section 1433*
13 *of the Better Utilization of Investments Leading to Develop-*
14 *ment Act of 2018 (22 U.S.C. 9633) is amended by striking*
15 *“\$60,000,000,000” and inserting “\$100,000,000,000”.*

16 **Subtitle B—International Security**
17 **Matters**

18 **SEC. 3221. DEFINITIONS.**

19 *In this subtitle:*

20 (1) *APPROPRIATE COMMITTEES OF CONGRESS.*—
21 *The term “appropriate committees of Congress”*
22 *means—*

23 (A) *the Committee on Foreign Relations, the*
24 *Committee on Armed Services, and the Com-*
25 *mittee on Appropriations of the Senate; and*

1 (B) the Committee on Foreign Affairs, the
2 Committee on Armed Services, and the Com-
3 mittee on Appropriations of the House of Rep-
4 resentatives.

5 (2) COMPANY.—The term “company” means any
6 corporation, company, limited liability company,
7 limited partnership, business trust, business associa-
8 tion, or other similar entity.

9 (3) OTHER SECURITY FORCES.—The term “other
10 security forces”—

11 (A) includes national security forces that
12 conduct maritime security; and

13 (B) does not include self-described militias
14 or paramilitary organizations.

15 **SEC. 3222. FINDINGS.**

16 Congress makes the following findings:

17 (1) The People’s Republic of China aims to use
18 its growing military might in concert with other in-
19 struments of its national power to displace the United
20 States in the Indo-Pacific and establish hegemony
21 over the region.

22 (2) The military balance of power in the Indo-
23 Pacific region is growing increasingly unfavorable to
24 the United States because—

1 (A) *the PRC is rapidly modernizing and*
2 *expanding the capabilities of the PLA to project*
3 *power and create contested areas across the en-*
4 *tire Indo-Pacific region;*

5 (B) *PLA modernization has largely focused*
6 *on areas where it possesses operational advan-*
7 *tages and can exploit weaknesses in the United*
8 *States suite of capabilities; and*

9 (C) *current United States force structure*
10 *and presence do not sufficiently counter threats*
11 *in the Indo-Pacific, as United States allies,*
12 *bases, and forces at sea in the Indo-Pacific re-*
13 *gion are concentrated in large bases that are*
14 *highly vulnerable to the PRC's strike capabili-*
15 *ties.*

16 (3) *This shift in the regional military balance*
17 *and erosion of conventional and strategic deterrence*
18 *in the Indo-Pacific region—*

19 (A) *presents a substantial and imminent*
20 *risk to the security of the United States; and*

21 (B) *left unchecked, could—*

22 (i) *embolden the PRC to take actions,*
23 *including the use of military force, to*
24 *change the status quo before the United*
25 *States can mount an effective response; and*

1 (ii) alter the nuclear balance in the
2 Indo-Pacific.

3 (4) The PRC sees an opportunity to diminish
4 confidence among United States allies and partners
5 in the strength of United States commitments, even to
6 the extent that these nations feel compelled to band-
7 wagon with the PRC to protect their interests. The
8 PRC is closely monitoring the United States reaction
9 to PRC pressure and coercion of United States allies,
10 searching for indicators of United States resolve.

11 (5) Achieving so-called “reunification” of Tai-
12 wan to mainland China is a key step for the PRC to
13 achieve its regional hegemonic ambitions. The PRC
14 has increased the frequency and scope of its exercises
15 and operations targeting Taiwan, such as amphibious
16 assault and live-fire exercises in the Taiwan Strait,
17 PLA Air Force flights that encircle Taiwan, and
18 flights across the unofficial median line in the Tai-
19 wan Strait. The Government of the PRC’s full sub-
20 mission of Hong Kong potentially accelerates the
21 timeline of a Taiwan scenario, and makes the defense
22 of Taiwan an even more urgent priority.

23 (6) The defense of Taiwan is critical to—
24 (A) defending the people of Taiwan;

1 (B) limiting the PLA’s ability to project
2 power beyond the First Island Chain, including
3 to United States territory, such as Guam and
4 Hawaii;

5 (C) defending the territorial integrity of
6 Japan;

7 (D) preventing the PLA from diverting
8 military planning, resources, and personnel to
9 broader military ambitions; and

10 (E) retaining the United States credibility
11 as a defender of the democratic values and free-
12 market principles embodied by Taiwan’s people
13 and government;

14 (7) The PRC capitalized on the world’s attention
15 to COVID–19 to advance its military objectives in the
16 South China Sea, intensifying and accelerating
17 trends already underway. The PRC has sent milita-
18 rized survey vessels into the Malaysian Exclusive Eco-
19 nomic Zone, announced the establishment of an ad-
20 ministrative district in the Spratly and Paracel Is-
21 lands under the Chinese local government of Sansha,
22 aimed a fire control radar at a Philippine navy ship,
23 encroached on Indonesia’s fishing grounds, sunk a Vi-
24 etnamese fishing boat, announced new “research sta-
25 tions” on Fiery Cross Reef and Subi Reef, landed spe-

1 *cial military aircraft on Fiery Cross Reef to routinize*
2 *such deployments, and sent a flotilla of over 200 mili-*
3 *tia vessels to Whitsun Reef, a feature within the ex-*
4 *clusive economic zone of the Philippines.*

5 (8) *On July 13, 2020, the Department of State*
6 *clarified United States policy on the South China Sea*
7 *and stated that “Beijing’s claims to offshore resources*
8 *across most of the South China Sea are completely*
9 *unlawful”.*

10 (9) *These actions in the South China Sea enable*
11 *the PLA to exert influence and project power deeper*
12 *into Oceania and the Indian Ocean. As Admiral Phil*
13 *Davidson, Commander of Indo-Pacific Command, tes-*
14 *tified in 2019, “In short, China is now capable of*
15 *controlling the South China Sea in all scenarios short*
16 *of war with the United States.”.*

17 (10) *The PLA also continues to advance its*
18 *claims in the East China Sea, including through a*
19 *high number of surface combatant patrols and fre-*
20 *quent entry into the territorial waters of the Senkaku*
21 *Islands, over which the United States recognizes Ja-*
22 *pan’s administrative control. In April 2014, Presi-*
23 *dent Barack Obama stated, “Our commitment to Ja-*
24 *pan’s security is absolute and article five of the U.S.-*
25 *Japan security treaty covers all territory under Ja-*

1 *pan’s administration, including the Senkaku is-*
2 *lands.”.*

3 (11) *On March 1, 2019, Secretary of State Mi-*
4 *chael R. Pompeo stated, “As the South China Sea is*
5 *part of the Pacific, any armed attack on Philippine*
6 *forces, aircraft, or public vessels in the South China*
7 *Sea will trigger mutual defense obligations under Ar-*
8 *ticle 4 of our Mutual Defense Treaty.”.*

9 (12) *The PLA also continues to advance its in-*
10 *fluence over the Korean Peninsula, including through*
11 *a series of joint air exercises with the Russian Fed-*
12 *eration in the Republic of Korea’s Air Defense Identi-*
13 *fication Zone.*

14 (13) *The PLA is modernizing and gaining crit-*
15 *ical capability in every branch and every domain, in-*
16 *cluding—*

17 (A) *positioning the PLA Navy to become a*
18 *great maritime power or “blue-water” navy that*
19 *can completely control all activity within the*
20 *First Island Chain and project power beyond it*
21 *with a fleet of 425 battle force ships by 2030;*

22 (B) *increasing the size and range of its*
23 *strike capabilities, including approximately*
24 *1,900 ground-launched short- and intermediate-*
25 *range missiles capable of targeting United States*

1 *allies and partners in the First and Second Is-*
2 *land chains, United States bases in the Indo-Pa-*
3 *cific, and United States forces at sea;*

4 *(C) boosting capabilities for air warfare, in-*
5 *cluding with Russian-origin Su-35 fighters and*
6 *S-400 air defense systems, new J-20 5th genera-*
7 *tion stealth fighters, advanced H-6 bomber*
8 *variants, a long-range stealth bomber, and Y-20*
9 *heavy lift aircraft;*

10 *(D) making critical investments in new do-*
11 *maines of warfare, such as cyber warfare, elec-*
12 *tronic warfare, and space warfare; and*

13 *(E) increasing the size of its nuclear stock-*
14 *pile and delivery systems.*

15 *(14) The PRC is pursuing this modernization*
16 *through all means at its disposal, including its Mili-*
17 *tary-Civil Fusion initiative, which enlists the whole*
18 *of PRC society in developing and acquiring tech-*
19 *nology with military applications to pursue techno-*
20 *logical advantage over the United States in artificial*
21 *intelligence, hypersonic glide vehicles, directed energy*
22 *weapons, electromagnetic railguns, counter-space*
23 *weapons, and other emerging capabilities.*

24 *(15) The United States lead in the development*
25 *of science and technology relevant to defense is erod-*

1 *ing in the face of competition from the PRC. United*
2 *States research and development spending on defense*
3 *capabilities has declined sharply as a share of global*
4 *research and development. The commercial sector's*
5 *leading role in innovation presents certain unique*
6 *challenges to the Department of Defense's reliance on*
7 *technology for battlefield advantage.*

8 *(16) The PRC has vastly increased domestic re-*
9 *search and development expenditures, supported the*
10 *growth of new cutting-edge industries and tapped into*
11 *a large workforce to invest in fostering science and*
12 *engineering talent.*

13 *(17) The PRC is increasing exports of defense*
14 *and security capabilities to build its defense tech-*
15 *nology and industrial base and improve its own mili-*
16 *tary capabilities, as well as its influence with coun-*
17 *tries that purchase and become dependent on its mili-*
18 *tary systems.*

19 **SEC. 3223. SENSE OF CONGRESS REGARDING BOLSTERING**
20 **SECURITY PARTNERSHIPS IN THE INDO-PA-**
21 **CIFIC.**

22 *It is the sense of Congress that steps to bolster United*
23 *States security partnerships in the Indo-Pacific must in-*
24 *clude—*

1 (1) *supporting Japan in its development of long-*
2 *range precision fires, munitions, air and missile de-*
3 *fense capacity, interoperability across all domains,*
4 *maritime security, and intelligence, surveillance, and*
5 *reconnaissance capabilities;*

6 (2) *launching a United States-Japan national*
7 *security innovation fund to solicit and support pri-*
8 *vate sector cooperation for new technologies that could*
9 *benefit the United States and Japan's mutual secu-*
10 *rity objectives;*

11 (3) *promoting a deeper defense relationship be-*
12 *tween Japan and Australia, including supporting re-*
13 *ciprocal access agreements and trilateral United*
14 *States-Japan-Australia intelligence sharing;*

15 (4) *encouraging and facilitating Taiwan's accel-*
16 *erated acquisition of asymmetric defense capabilities,*
17 *which are crucial to defending the islands of Taiwan*
18 *from invasion, including long-range precision fires,*
19 *munitions, anti-ship missiles, coastal defense, anti-*
20 *armor, air defense, undersea warfare, advanced com-*
21 *mand, control, communications, computers, intel-*
22 *ligence, surveillance and reconnaissance (C4ISR), and*
23 *resilient command and control capabilities, and in-*
24 *creasing the conduct of relevant and practical train-*
25 *ing and exercises with Taiwan's defense forces; and*

1 (5) *prioritizing building the capacity of United*
2 *States allies and partners to protect defense tech-*
3 *nology.*

4 **SEC. 3224. STATEMENT OF POLICY.**

5 *It shall be the policy of the United States to—*

6 (1) *prioritize the Indo-Pacific region in United*
7 *States foreign policy, and prioritize resources for*
8 *achieving United States political and military objec-*
9 *tives in the region;*

10 (2) *exercise freedom of operations in the inter-*
11 *national waters and airspace in the Indo-Pacific*
12 *maritime domains, which are critical to the pros-*
13 *perity, stability, and security of the Indo-Pacific re-*
14 *gion;*

15 (3) *maintain forward-deployed forces in the*
16 *Indo-Pacific region, including a rotational bomber*
17 *presence, integrated missile defense capabilities, long-*
18 *range precision fires, undersea warfare capabilities,*
19 *and diversified and resilient basing and rotational*
20 *presence, including support for pre-positioning strate-*
21 *gies;*

22 (4) *strengthen and deepen the alliances and*
23 *partnerships of the United States to build capacity*
24 *and capabilities, increase multilateral partnerships,*
25 *modernize communications architecture, address anti-*

1 *access and area denial challenges, and increase joint*
2 *exercises and security cooperation efforts;*

3 *(5) reaffirm the commitment and support of the*
4 *United States for allies and partners in the Indo-Pa-*
5 *cific region, including longstanding United States*
6 *policy regarding—*

7 *(A) Article V of the Treaty of Mutual Co-*
8 *operation and Security between the United*
9 *States and Japan, signed at Washington Janu-*
10 *ary 19, 1960;*

11 *(B) Article III of the Mutual Defense Trea-*
12 *ty between the United States and the Republic of*
13 *Korea, signed at Washington October 1, 1953;*

14 *(C) Article IV of the Mutual Defense Treaty*
15 *between the United States and the Republic of*
16 *the Philippines, signed at Washington August*
17 *30, 1951, including that, as the South China Sea*
18 *is part of the Pacific, any armed attack on Phil-*
19 *ippine forces, aircraft or public vessels in the*
20 *South China Sea will trigger mutual defense ob-*
21 *ligations under Article IV of our mutual defense*
22 *treaty;*

23 *(D) Article IV of the Australia, New Zea-*
24 *land, United States Security Treaty, done at*
25 *San Francisco September 1, 1951; and*

1 *(E) the Southeast Asia Collective Defense*
2 *Treaty, done at Manila September 8, 1954, to-*
3 *gether with the Thanat-Rusk Communique of*
4 *1962;*

5 *(6) collaborate with United States treaty allies*
6 *in the Indo-Pacific to foster greater multilateral secu-*
7 *rity and defense cooperation with other regional part-*
8 *ners;*

9 *(7) ensure the continuity of operations by the*
10 *United States Armed Forces in the Indo-Pacific re-*
11 *gion, including, as appropriate, in cooperation with*
12 *partners and allies, in order to reaffirm the principle*
13 *of freedom of operations in international waters and*
14 *airspace in accordance with established principles*
15 *and practices of international law;*

16 *(8) sustain the Taiwan Relations Act (Public*
17 *Law 96–8; 22 U.S.C. 3301 et seq.) and the “Six As-*
18 *surances” provided by the United States to Taiwan*
19 *in July 1982 as the foundations for United States-*
20 *Taiwan relations, and to deepen, to the fullest extent*
21 *possible, the extensive, close, and friendly relations of*
22 *the United States and Taiwan, including cooperation*
23 *to support the development of capable, ready, and*
24 *modern forces necessary for the defense of Taiwan;*

1 (9) *enhance security partnerships with India,*
2 *across Southeast Asia, and with other nations of the*
3 *Indo-Pacific;*

4 (10) *deter acts of aggression or coercion by the*
5 *PRC against United States and allies' interests, espe-*
6 *cially along the First Island Chain and in the West-*
7 *ern Pacific, by showing PRC leaders that the United*
8 *States can and is willing to deny them the ability to*
9 *achieve their objectives, including by—*

10 (A) *consistently demonstrating the political*
11 *will of the United States to deepening existing*
12 *treaty alliances and growing new partnerships*
13 *as a durable, asymmetric, and unmatched stra-*
14 *tegic advantage to the PRC's growing military*
15 *capabilities and reach;*

16 (B) *maintaining a system of forward-de-*
17 *ployed bases in the Indo-Pacific region as the*
18 *most visible sign of United States resolve and*
19 *commitment to the region, and as platforms to*
20 *ensure United States operational readiness and*
21 *advance interoperability with allies and part-*
22 *ners;*

23 (C) *adopting a more dispersed force posture*
24 *throughout the region, particularly the Western*
25 *Pacific, and pursuing maximum access for*

1 *United States mobile and relocatable launchers*
2 *for long-range cruise, ballistic, and hypersonic*
3 *weapons throughout the Indo-Pacific region;*

4 *(D) fielding long-range, precision-strike net-*
5 *works to United States and allied forces, includ-*
6 *ing ground-launched cruise missiles, undersea*
7 *and naval capabilities, and integrated air and*
8 *missile defense in the First Island Chain and the*
9 *Second Island Chain, in order to deter and pre-*
10 *vent PRC coercion and aggression, and to maxi-*
11 *mize the United States ability to operate;*

12 *(E) strengthening extended deterrence to en-*
13 *sure that escalation against key United States*
14 *interests would be costly, risky, and self-defeat-*
15 *ing; and*

16 *(F) collaborating with allies and partners*
17 *to accelerate their roles in more equitably shar-*
18 *ing the burdens of mutual defense, including*
19 *through the acquisition and fielding of advanced*
20 *capabilities and training that will better enable*
21 *them to repel PRC aggression or coercion; and*

22 *(11) maintain the capacity of the United States*
23 *to impose prohibitive diplomatic, economic, financial,*
24 *reputational, and military costs on the PRC for acts*
25 *of coercion or aggression, including to defend itself*

1 (c) *DIPLOMATIC OUTREACH ACTIVITIES.*—*There is au-*
2 *thorized to be appropriated to the Department of State*
3 *\$1,000,000 for each of fiscal years 2022 through 2026,*
4 *which shall be used—*

5 (1) *to conduct, in coordination with the Depart-*
6 *ment of Defense, outreach activities, including con-*
7 *ferences and symposia, to familiarize partner coun-*
8 *tries, particularly in the Indo-Pacific region, with the*
9 *United States’ interpretation of international law re-*
10 *lating to freedom of the seas; and*

11 (2) *to work with allies and partners in the Indo-*
12 *Pacific region to better align respective interpreta-*
13 *tions of international law relating to freedom of the*
14 *seas, including on the matters of operations by mili-*
15 *tary ships in exclusive economic zones, innocent pas-*
16 *sage through territorial seas, and transits through*
17 *international straits.*

18 (d) *PROGRAM AUTHORIZATION AND PURPOSE.*—*Using*
19 *amounts appropriated pursuant to subsection (a), the Sec-*
20 *retary of State, in coordination with the Secretary of De-*
21 *fense, is authorized to provide assistance for the purpose*
22 *of increasing maritime security and domain awareness for*
23 *countries in the Indo-Pacific region—*

24 (1) *to provide assistance to national military or*
25 *other security forces of such countries that have mari-*

1 *time security missions among their functional respon-*
2 *sibilities;*

3 *(2) to provide training to ministry, agency, and*
4 *headquarters level organizations for such forces; and*

5 *(3) to provide assistance and training to other*
6 *relevant foreign affairs, maritime, or security-related*
7 *ministries, agencies, departments, or offices that man-*
8 *age and oversee maritime activities and policy that*
9 *the Secretary of State may so designate.*

10 *(e) DESIGNATION OF ASSISTANCE.—Assistance pro-*
11 *vided by the Secretary of State under subsection (g) shall*
12 *be known as the “Indo-Pacific Maritime Security Initia-*
13 *tive” (in this section referred to as the “Initiative”).*

14 *(f) PROGRAM OBJECTIVES.—Assistance provided*
15 *through the Initiative may be used to accomplish the fol-*
16 *lowing objectives:*

17 *(1) Retaining unhindered access to and use of*
18 *international waterways in the Indo-Pacific region*
19 *that are critical to ensuring the security and free flow*
20 *of commerce and to achieving United States national*
21 *security objectives.*

22 *(2) Improving maritime domain awareness in*
23 *the Indo-Pacific region.*

24 *(3) Countering piracy in the Indo-Pacific region.*

1 (4) *Disrupting illicit maritime trafficking ac-*
2 *tivities and other forms of maritime trafficking activ-*
3 *ity in the Indo-Pacific that directly benefit organiza-*
4 *tions that have been determined to be a security*
5 *threat to the United States.*

6 (5) *Enhancing the maritime capabilities of a*
7 *country or regional organization to respond to emerg-*
8 *ing threats to maritime security in the Indo-Pacific*
9 *region.*

10 (6) *Strengthening United States alliances and*
11 *partnerships in Southeast Asia and other parts of the*
12 *Indo-Pacific region.*

13 (g) *AUTHORIZATION OF APPROPRIATIONS.—*

14 (1) *IN GENERAL.—Of the amount appropriated*
15 *pursuant to subsection (a) (relating to foreign mili-*
16 *tary financing assistance), there is authorized to be*
17 *appropriated to the Department of State for the Indo-*
18 *Pacific Maritime Security Initiative and other re-*
19 *lated regional programs exactly—*

20 (A) *\$70,000,000 for fiscal year 2022;*

21 (B) *\$80,000,000 for fiscal year 2023;*

22 (C) *\$90,000,000 for fiscal year 2024;*

23 (D) *\$100,000,000 for fiscal year 2025; and*

24 (E) *\$110,000,000 for fiscal year 2026.*

1 (2) *RULE OF CONSTRUCTION.*—The “Indo-Pacific
2 *Maritime Security Initiative*” and funds authorized
3 for the Initiative shall include existing regional pro-
4 grams carried out by the Department of State related
5 to maritime security, including the Southeast Asia
6 *Maritime Security Initiative*.

7 (h) *ELIGIBILITY AND PRIORITIES FOR ASSISTANCE.*—

8 (1) *IN GENERAL.*—The Secretary of State shall
9 use the following considerations when selecting which
10 countries in the Indo-Pacific region should receive as-
11 sistance pursuant to the Initiative:

12 (A) Assistance may be provided to a coun-
13 try in the Indo-Pacific region to enhance the ca-
14 pabilities of that country according to the objec-
15 tives outlined in (f), or of a regional organiza-
16 tion that includes that country, to conduct—

17 (i) maritime intelligence, surveillance,
18 and reconnaissance;

19 (ii) littoral and port security;

20 (iii) Coast Guard operations;

21 (iv) command and control; and

22 (v) management and oversight of mari-
23 time activities.

24 (B) Priority shall be placed on assistance to
25 enhance the maritime security capabilities of the

1 *military or security forces of countries in the*
2 *Indo-Pacific region that have maritime missions*
3 *and the government agencies responsible for such*
4 *forces.*

5 (2) *TYPES OF ASSISTANCE AND TRAINING.*—

6 (A) *AUTHORIZED ELEMENTS OF ASSIST-*
7 *ANCE.*—*Assistance provided under paragraph*
8 (1)(A) *may include the provision of equipment,*
9 *training, and small-scale military construction.*

10 (B) *REQUIRED ELEMENTS OF ASSISTANCE*
11 *AND TRAINING.*—*Assistance and training pro-*
12 *vided under subparagraph (A) shall include ele-*
13 *ments that promote—*

14 (i) *the observance of and respect for*
15 *human rights; and*

16 (ii) *respect for legitimate civilian au-*
17 *thority within the country to which the as-*
18 *sistance is provided.*

19 **SEC. 3226. FOREIGN MILITARY FINANCING COMPACT PILOT**
20 **PROGRAM IN THE INDO-PACIFIC.**

21 (a) *AUTHORIZATION OF APPROPRIATIONS.*—*There is*
22 *authorized to be appropriated \$20,000,000 for each of fiscal*
23 *years 2022 and 2023 for the creation of a pilot program*
24 *for foreign military financing (FMF) compacts.*

25 (b) *ASSISTANCE.*—

1 (1) *IN GENERAL.*—*The Secretary of State is au-*
2 *thorized to create a pilot program, for a duration of*
3 *two years, with an assessment for any additional or*
4 *permanent programming, to provide assistance under*
5 *this section for each country that enters into an FMF*
6 *Challenge Compact with the United States pursuant*
7 *to subsection (d) to support policies and programs*
8 *that advance the progress of the country in achieving*
9 *lasting security and civilian-military governance*
10 *through respect for human rights, good governance*
11 *(including transparency and free and fair elections),*
12 *and cooperation with United States and international*
13 *counter-terrorism, anti-trafficking, and counter-crime*
14 *efforts and programs.*

15 (2) *FORM OF ASSISTANCE.*—*Assistance under*
16 *this subsection may be provided in the form of grants,*
17 *cooperative agreements, contracts, or no-interest loans*
18 *to the government of an eligible country described in*
19 *subsection (c).*

20 (c) *ELIGIBLE COUNTRIES.*—

21 (1) *IN GENERAL.*—*A country shall be a can-*
22 *didate country for purposes of eligibility for assist-*
23 *ance for fiscal years 2022 and 2023 if—*

24 (A) *the country is classified as a lower mid-*
25 *dle income country in the then-most recent edi-*

1 *tion of the World Development Report for Recon-*
2 *struction and Development published by the*
3 *International Bank for Reconstruction and De-*
4 *velopment and has an income greater than the*
5 *historical ceiling for International Development*
6 *Association eligibility for the fiscal year in-*
7 *volved; and*

8 *(B) the Secretary of State determines that*
9 *the country is committed to seeking just and*
10 *democratic governance, including with a dem-*
11 *onstrated commitment to—*

12 *(i) the promotion of political plu-*
13 *ralism, equality, and the rule of law;*

14 *(ii) respect for human and civil rights;*

15 *(iii) protection of private property*
16 *rights;*

17 *(iv) transparency and accountability*
18 *of government;*

19 *(v) anti-corruption; and*

20 *(vi) the institution of effective civilian*
21 *control, professionalization, and respect for*
22 *human rights by and the accountability of*
23 *the armed forces.*

24 *(2) IDENTIFICATION OF ELIGIBLE COUNTRIES.—*

25 *Not later than 90 days prior to the date on which the*

1 *Secretary of State determines eligible countries for an*
2 *FMF Challenge Compact, the Secretary—*

3 *(A) shall prepare and submit to the appro-*
4 *priate congressional committees a report that*
5 *contains a list of all eligible countries identified*
6 *that have met the requirements under paragraph*
7 *(1) for the fiscal year; and*

8 *(B) shall consult with the appropriate con-*
9 *gressional committees on the extent to which such*
10 *countries meet the criteria described in para-*
11 *graph (1).*

12 *(d) FMF CHALLENGE COMPACT.—*

13 *(1) COMPACT.—The Secretary of State may pro-*
14 *vide assistance for an eligible country only if the*
15 *country enters into an agreement with the United*
16 *States, to be known as an “FMF Challenge Compact”*
17 *(in this subsection referred to as a “Compact”) that*
18 *establishes a multi-year plan for achieving shared se-*
19 *curity objectives in furtherance of the purposes of this*
20 *title.*

21 *(2) ELEMENTS.—The elements of the Compact*
22 *shall be those listed in subsection (c)(1)(B) for deter-*
23 *mining eligibility, and be designed to significantly*
24 *advance the performance of those commitments during*
25 *the period of the Compact.*

1 (3) *IN GENERAL.*—*The Compact should take into*
2 *account the national strategy of the eligible country*
3 *and shall include—*

4 (A) *the specific objectives that the country*
5 *and the United States expect to achieve during*
6 *the term of the Compact, including both how the*
7 *foreign military financing under the Compact*
8 *will advance shared security interests and ad-*
9 *vance partner capacity building efforts as well*
10 *as to advance national efforts towards just and*
11 *democratic governance;*

12 (B) *the responsibilities of the country and*
13 *the United States in the achievement of such ob-*
14 *jectives;*

15 (C) *regular benchmarks to measure, where*
16 *appropriate, progress toward achieving such ob-*
17 *jectives; and*

18 (D) *the strategy of the eligible country to*
19 *sustain progress made toward achieving such ob-*
20 *jectives after expiration of the Compact.*

21 (e) *CONGRESSIONAL CONSULTATION PRIOR TO COM-*
22 *PACT NEGOTIATIONS.*—*Not later than 15 days before com-*
23 *mencing negotiations of a Compact with an eligible coun-*
24 *try, the Secretary of State shall consult with the appro-*
25 *priate congressional committees with respect to the proposed*

1 *Compact negotiation and shall identify the objectives and*
2 *mechanisms to be used for the negotiation of the Compact.*

3 (f) *ASSESSMENT OF PILOT PROGRAM AND REC-*
4 *COMMENDATIONS.—Not later than 90 days after the conclu-*
5 *sion of the pilot program, the Secretary of State shall pro-*
6 *vide a report to the appropriate congressional committees*
7 *with respect to the pilot program, including an assessment*
8 *of the success and utility of the pilot program established*
9 *under this subsection in meeting United States objectives*
10 *and a recommendation with respect to whether to continue*
11 *a further foreign military financing compact program on*
12 *a pilot or permanent basis.*

13 **SEC. 3227. ADDITIONAL FUNDING FOR INTERNATIONAL**
14 **MILITARY EDUCATION AND TRAINING IN THE**
15 **INDO-PACIFIC.**

16 *There is authorized to be appropriated for each of fis-*
17 *cal years 2022 through fiscal year 2026 for the Department*
18 *of State, out of amounts appropriated or otherwise made*
19 *available for assistance under chapter 5 of part II of the*
20 *Foreign Assistance Act of 1961 (22 U.S.C. 2347 et seq.) (re-*
21 *lating to international military education and training*
22 *(IMET) assistance), \$45,000,000 for activities in the Indo-*
23 *Pacific region in accordance with this division.*

1 **SEC. 3228. PRIORITIZING EXCESS DEFENSE ARTICLE**
2 **TRANSFERS FOR THE INDO-PACIFIC.**

3 (a) *SENSE OF CONGRESS.*—*It is the sense of Congress*
4 *that the United States Government should prioritize the re-*
5 *view of excess defense article transfers to Indo-Pacific part-*
6 *ners.*

7 (b) *FIVE-YEAR PLAN.*—*Not later than 90 days after*
8 *the date of the enactment of this Act, the President shall*
9 *develop a five-year plan to prioritize excess defense article*
10 *transfers to the Indo-Pacific and provide a report describ-*
11 *ing such plan to the appropriate committees of Congress.*

12 (c) *TRANSFER AUTHORITY.*—*Section 516(c)(2) of the*
13 *Foreign Assistance Act of 1961 (22 U.S.C. 2321j(c)(2)) is*
14 *amended by inserting “, Thailand, Indonesia, Vietnam, and*
15 *Malaysia” after “and to the Philippines”.*

16 (d) *REQUIRED COORDINATION.*—*The United States*
17 *Government shall coordinate and align excess defense article*
18 *transfers with capacity building efforts of regional allies*
19 *and partners.*

20 (e) *TAIWAN.*—*Taiwan shall receive the same benefits*
21 *conferred for the purposes of transfers pursuant to section*
22 *516(c)(2) of the Foreign Assistance Act of 1961 (22 U.S.C.*
23 *2321j(c)(2)).*

1 **SEC. 3229. PRIORITIZING EXCESS NAVAL VESSEL TRANS-**
2 **FERS FOR THE INDO-PACIFIC.**

3 (a) *AUTHORITY.*—*The President is authorized to*
4 *transfer to a government of a country listed pursuant to*
5 *the amendment made under section 3228(c) two OLIVER*
6 *HAZARD PERRY class guided missile frigates on a grant*
7 *basis under section 516 of the Foreign Assistance Act of*
8 *1961 (22 U.S.C. 2321j).*

9 (b) *GRANTS NOT COUNTED IN ANNUAL TOTAL OF*
10 *TRANSFERRED EXCESS DEFENSE ARTICLES.*—*The value of*
11 *a vessel transferred to another country on a grant basis pur-*
12 *suant to authority provided by this section shall not be*
13 *counted against the aggregate value of excess defense articles*
14 *transferred in any fiscal year under section 516 of the For-*
15 *eign Assistance Act of 1961 (22 U.S.C. 2321j).*

16 (c) *COSTS OF TRANSFERS.*—*Any expense incurred by*
17 *the United States in connection with a transfer authorized*
18 *by this section shall be charged to the recipient notwith-*
19 *standing section 516(e) of the Foreign Assistance Act of*
20 *1961 (22 U.S.C. 2321j(e)).*

21 (d) *REPAIR AND REFURBISHMENT IN UNITED STATES*
22 *SHIPYARDS.*—*To the maximum extent practicable, the*
23 *President shall require, as a condition of the transfer of a*
24 *vessel under this subsection, that the recipient to which the*
25 *vessel is transferred have such repair or refurbishment of*
26 *the vessel as is needed, before the vessel joins the naval forces*

1 *of that recipient, performed at a shipyard located in the*
2 *United States.*

3 *(e) EXPIRATION OF AUTHORITY.—The authority to*
4 *transfer a vessel under this section shall expire at the end*
5 *of the 3-year period beginning on the date of the enactment*
6 *of this Act.*

7 **SEC. 3230. STATEMENT OF POLICY ON MARITIME FREEDOM**
8 **OF OPERATIONS IN INTERNATIONAL WATER-**
9 **WAYS AND AIRSPACE OF THE INDO-PACIFIC**
10 **AND ON ARTIFICIAL LAND FEATURES IN THE**
11 **SOUTH CHINA SEA.**

12 *(a) SENSE OF CONGRESS.—Congress—*

13 *(1) condemns coercive and threatening actions or*
14 *the use of force to impede freedom of operations in*
15 *international airspace by military or civilian air-*
16 *craft, to alter the status quo, or to destabilize the*
17 *Indo-Pacific region;*

18 *(2) urges the Government of the People’s Repub-*
19 *lic of China to refrain from implementing the de-*
20 *clared East China Sea Air Defense Identification*
21 *Zone (ADIZ), or an ADIZ in the South China Sea,*
22 *which is contrary to freedom of overflight in inter-*
23 *national airspace, and to refrain from taking similar*
24 *provocative actions elsewhere in the Indo-Pacific re-*
25 *gion;*

1 (3) reaffirms that the 2016 Permanent Court of
2 Arbitration decision is final and legally binding on
3 both parties and that the People’s Republic of China’s
4 claims to offshore resources across most of the South
5 China Sea are unlawful; and

6 (4) condemns the People’s Republic of China for
7 failing to abide by the 2016 Permanent Court of Ar-
8 bitration ruling, despite the PRC’s obligations as a
9 state party to the United Nations Convention on the
10 Law of the Sea.

11 (b) *STATEMENT OF POLICY.*—It shall be the policy of
12 the United States to—

13 (1) reaffirm its commitment and support for al-
14 lies and partners in the Indo-Pacific region, includ-
15 ing longstanding United States policy regarding Arti-
16 cle V of the United States-Philippines Mutual Defense
17 Treaty and reaffirm its position that Article V of the
18 United States-Japan Mutual Defense Treaty applies
19 to the Japanese-administered Senkaku Islands;

20 (2) oppose claims that impinge on the rights,
21 freedoms, and lawful use of the sea, or the airspace
22 above it, that belong to all nations, and oppose the
23 militarization of new and reclaimed land features in
24 the South China Sea;

1 (3) *continue certain policies with respect to the*
2 *PRC claims in the South China Sea, namely—*

3 (A) *that PRC claims in the South China*
4 *Sea, including to offshore resources across most*
5 *of the South China Sea, are unlawful;*

6 (B) *that the PRC cannot lawfully assert a*
7 *maritime claim vis-à-vis the Philippines in*
8 *areas that the Permanent Court of Arbitration*
9 *found to be in the Philippines' Exclusive Eco-*
10 *nomical Zone (EEZ) or on its continental shelf;*

11 (C) *to reject any PRC claim to waters be-*
12 *yond a 12 nautical mile territorial sea derived*
13 *from islands it claims in the Spratly Islands;*
14 *and*

15 (D) *that the PRC has no lawful territorial*
16 *or maritime claim to James Shoal;*

17 (4) *urge all parties to refrain from engaging in*
18 *destabilizing activities, including illegal occupation*
19 *or efforts to unlawfully assert administration over*
20 *disputed claims;*

21 (5) *ensure that disputes are managed without in-*
22 *timidation, coercion, or force;*

23 (6) *call on all claimants to clarify or adjust*
24 *claims in accordance with international law;*

1 (7) uphold the principle that territorial and
2 maritime claims, including territorial waters or terri-
3 torial seas, must be derived from land features and
4 otherwise comport with international law;

5 (8) oppose the imposition of new fishing regula-
6 tions covering disputed areas in the South China Sea,
7 regulations which have raised tensions in the region;

8 (9) support an effective Code of Conduct, if that
9 Code of Conduct reflects the interests of Southeast
10 Asian claimant states and does not serve as a vehicle
11 for the People's Republic of China to advance its un-
12 lawful maritime claims;

13 (10) reaffirm that an existing body of inter-
14 national rules and guidelines, including the Inter-
15 national Regulations for Preventing Collisions at Sea,
16 done at London October 12, 1972 (COLREGs), is suf-
17 ficient to ensure the safety of navigation between the
18 United States Armed Forces and the forces of other
19 countries, including the People's Republic of China;

20 (11) support the development of regional institu-
21 tions and bodies, including the ASEAN Regional
22 Forum, the ASEAN Defense Minister's Meeting Plus,
23 the East Asia Summit, and the expanded ASEAN
24 Maritime Forum, to build practical cooperation in
25 the region and reinforce the role of international law;

1 (12) *encourage the deepening of partnerships*
2 *with other countries in the region for maritime do-*
3 *main awareness and capacity building, as well as ef-*
4 *forts by the United States Government to explore the*
5 *development of appropriate multilateral mechanisms*
6 *for a “common operating picture” in the South China*
7 *Sea among Southeast Asian countries that would*
8 *serve to help countries avoid destabilizing behavior*
9 *and deter risky and dangerous activities;*

10 (13) *oppose actions by any country to prevent*
11 *any other country from exercising its sovereign rights*
12 *to the resources of the exclusive economic zone (EEZ)*
13 *and continental shelf by making claims to those areas*
14 *in the South China Sea that have no support in*
15 *international law; and*

16 (14) *assure the continuity of operations by the*
17 *United States in the Indo-Pacific region, including,*
18 *when appropriate, in cooperation with partners and*
19 *allies, to reaffirm the principle of freedom of oper-*
20 *ations in international waters and airspace in ac-*
21 *cordance with established principles and practices of*
22 *international law.*

1 **SEC. 3231. REPORT ON CAPABILITY DEVELOPMENT OF**
2 **INDO-PACIFIC ALLIES AND PARTNERS.**

3 (a) *SENSE OF CONGRESS.*—*It is the sense of Congress*
4 *that—*

5 (1) *the Secretary of State should expand and*
6 *strengthen existing measures under the United States*
7 *Conventional Arms Transfer Policy to provide capa-*
8 *bilities to allies and partners consistent with agreed-*
9 *on division of responsibility for alliance roles, mis-*
10 *sions and capabilities, prioritizing allies and part-*
11 *ners in the Indo-Pacific region in accordance with*
12 *United States strategic imperatives;*

13 (2) *the United States should design for export to*
14 *Indo-Pacific allies and partners capabilities critical*
15 *to maintaining a favorable military balance in the*
16 *region, including long-range precision fires, air and*
17 *missile defense systems, anti-ship cruise missiles, land*
18 *attack cruise missiles, conventional hypersonic sys-*
19 *tems, intelligence, surveillance, and reconnaissance*
20 *capabilities, and command and control systems;*

21 (3) *the United States should pursue, to the max-*
22 *imum extent possible, anticipatory technology secu-*
23 *rity and foreign disclosure policy on the systems de-*
24 *scribed in paragraph (2); and*

25 (4) *the Secretary of State, in coordination with*
26 *the Secretary of Defense, should—*

1 (A) urge allies and partners to invest in
2 sufficient quantities of munitions to meet contin-
3 gency requirements and avoid the need for ac-
4 cessing United States stocks in wartime; and

5 (B) cooperate with allies to deliver such mu-
6 nitions, or when necessary, to increase allies' ca-
7 pacity to produce such munitions.

8 (b) *APPROPRIATE COMMITTEES OF CONGRESS.*—In
9 this section, the term “appropriate committees of Congress”
10 means—

11 (1) the Committee on Foreign Relations and the
12 Committee on Appropriations of the Senate; and

13 (2) the Committee on Foreign Affairs and the
14 Committee on Appropriations of the House of Rep-
15 resentatives.

16 (c) *REPORT.*—

17 (1) *IN GENERAL.*—Not later than 90 days after
18 the date of the enactment of this Act, the Secretary of
19 State, in coordination with the Secretary of Defense,
20 shall submit to the appropriate committees of Con-
21 gress a report that describes United States priorities
22 for building more capable security partners in the
23 Indo-Pacific region.

24 (2) *MATTERS TO BE INCLUDED.*—The report re-
25 quired under paragraph (1) shall—

1 (A) provide a priority list of defense and
2 military capabilities that Indo-Pacific allies and
3 partners must possess for the United States to be
4 able to achieve its military objectives in the
5 Indo-Pacific region;

6 (B) identify, from the list referred to in sub-
7 paragraph (A), the capabilities that are best pro-
8 vided, or can only be provided, by the United
9 States;

10 (C) identify—

11 (i) actions required to prioritize
12 United States Government resources and
13 personnel to expedite fielding the capabili-
14 ties identified in subparagraph (B); and

15 (ii) steps needed to fully account for
16 and a plan to integrate all means of United
17 States foreign military sales, direct com-
18 mercial sales, security assistance, and all
19 applicable authorities of the Department of
20 State and the Department of Defense;

21 (D) assess the requirements for United
22 States security assistance, including Inter-
23 national Military Education and Training, in
24 the Indo-Pacific region, as a part of the means

1 to deliver critical partner capability require-
2 ments identified in subparagraph (B);

3 (E) assess the resources necessary to meet
4 the requirements for United States security as-
5 sistance, and identify resource gaps;

6 (F) assess the major obstacles to fulfilling
7 requirements for United States security assist-
8 ance in the Indo-Pacific region, including re-
9 sources and personnel limits, foreign legislative
10 and policy barriers, and factors related to spe-
11 cific partner countries;

12 (G) identify limitations on the ability of the
13 United States to provide such capabilities, in-
14 cluding those identified under subparagraph (B),
15 because of existing United States treaty obliga-
16 tions, United States policies, or other regula-
17 tions;

18 (H) recommend improvements to the process
19 for developing requirements for United States
20 partner capabilities; and

21 (I) identify required jointly agreed rec-
22 ommendations for infrastructure and posture,
23 based on any ongoing mutual dialogues.

1 (3) *FORM.*—*The report required under this sub-*
2 *section shall be unclassified, but may include a classi-*
3 *fied annex.*

4 **SEC. 3232. REPORT ON NATIONAL TECHNOLOGY AND IN-**
5 **DUSTRIAL BASE.**

6 (a) *SENSE OF CONGRESS.*—*It is the sense of Congress*
7 *that—*

8 (1) *a more streamlined, shared, and coordinated*
9 *approach, which leverages economies of scale with*
10 *major allies, is necessary for the United States to re-*
11 *tain its lead in defense technology;*

12 (2) *allowing for the export, re-export, or transfer*
13 *of defense-related technologies and services to members*
14 *of the national technology and industrial base (as de-*
15 *defined in section 2500 of title 10, United States Code)*
16 *would advance United States security interests by*
17 *helping to leverage the defense-related technologies and*
18 *skilled workforces of trusted allies to reduce the de-*
19 *pendence on other countries, including countries that*
20 *pose challenges to United States interests around the*
21 *world, for defense-related innovation and investment;*
22 *and*

23 (3) *it is in the interest of the United States to*
24 *continue to increase cooperation with Australia, Can-*
25 *ada, and the United Kingdom of Great Britain and*

1 *Northern Ireland to protect critical defense-related*
2 *technology and services and leverage the investments*
3 *of like-minded, major ally nations in order to maxi-*
4 *mize the strategic edge afforded by defense technology*
5 *innovation.*

6 *(b) REPORT.—*

7 *(1) IN GENERAL.—Not later than 90 days after*
8 *the date of the enactment of this Act, the Secretary of*
9 *State shall submit a report to the appropriate con-*
10 *gressional committees that—*

11 *(A) describes the Department of State’s ef-*
12 *forts to facilitate access among the national tech-*
13 *nology and industrial base to defense articles*
14 *and services subject to the United States Muni-*
15 *tions List under section 38(a)(1) of the Arms*
16 *Export Control Act (22 U.S.C. 2778(a)(1)); and*

17 *(B) identifies foreign legal and regulatory*
18 *challenges, as well as foreign policy or other*
19 *challenges or considerations that prevent or frus-*
20 *trate these efforts, to include any gaps in the re-*
21 *spective export control regimes implemented by*
22 *United Kingdom of Great Britain and Northern*
23 *Ireland, Australia, or Canada.*

1 (2) *FORM.*—*This report required under para-*
2 *graph (1) shall be unclassified, but may include a*
3 *classified annex.*

4 **SEC. 3233. REPORT ON DIPLOMATIC OUTREACH WITH RE-**
5 **SPECT TO CHINESE MILITARY INSTALLA-**
6 **TIONS OVERSEAS.**

7 (a) *IN GENERAL.*—*Not later than 180 days after the*
8 *date of the enactment of this Act, the Secretary of State,*
9 *in consultation with the Secretary of Defense, shall submit*
10 *a report to the appropriate committees of Congress regard-*
11 *ing United States diplomatic engagement with other na-*
12 *tions that host or are considering hosting any military in-*
13 *stallation of the Government of the People’s Republic of*
14 *China.*

15 (b) *MATTERS TO BE INCLUDED.*—*The report required*
16 *under subsection (a) shall include—*

17 (1) *a list of countries that currently host or are*
18 *considering hosting any military installation of the*
19 *Government of the People’s Republic of China;*

20 (2) *a detailed description of United States diplo-*
21 *matic and related efforts to engage countries that are*
22 *considering hosting a military installation of the*
23 *Government of the People’s Republic of China, and*
24 *the results of such efforts;*

1 (3) *an assessment of the adverse impact on*
2 *United States interests of the Government of the Peo-*
3 *ple's Republic of China successfully establishing a*
4 *military installation at any of the locations it is cur-*
5 *rently considering;*

6 (4) *a description and list of any commercial*
7 *ports outside of the People's Republic of China that*
8 *the United States Government assesses could be used*
9 *by the Government of the People's Republic of China*
10 *for military purposes, and any diplomatic efforts to*
11 *engage the governments of the countries where such*
12 *ports are located;*

13 (5) *the impact of the military installations of the*
14 *Government of the People's Republic of China on*
15 *United States interests; and*

16 (6) *lessons learned from the diplomatic experi-*
17 *ence of addressing the PRC's first overseas base in*
18 *Djibouti.*

19 (c) *FORM OF REPORT.*—*The report required under*
20 *subsection (a) shall be classified, but may include a unclas-*
21 *sified summary.*

1 **SEC. 3234. STATEMENT OF POLICY REGARDING UNIVERSAL**
2 **IMPLEMENTATION OF UNITED NATIONS**
3 **SANCTIONS ON NORTH KOREA.**

4 *It is the policy of the United States to sustain max-*
5 *imum economic pressure on the Government of the Demo-*
6 *cratic People’s Republic of Korea (referred to in this section*
7 *as the “DPRK”) until the regime undertakes complete,*
8 *verifiable, and irreversible actions toward denuclearization,*
9 *including by—*

10 *(1) pressing all nations, including the PRC, to*
11 *implement and enforce existing United Nations sanc-*
12 *tions with regard to the DPRK;*

13 *(2) pressing all nations, including the PRC, and*
14 *in accordance with United Nations Security Council*
15 *resolutions, to end the practice of hosting DPRK citi-*
16 *zens as guest workers, recognizing that such workers*
17 *are demonstrated to constitute an illicit source of rev-*
18 *enue for the DPRK regime and its nuclear ambitions;*

19 *(3) pressing all nations, including the PRC, to*
20 *pursue rigorous interdiction of shipments to and from*
21 *the DPRK, including ship-to-ship transfers, consistent*
22 *with United Nations Security Council resolutions;*

23 *(4) pressing the PRC and PRC entities—*

24 *(A) to cease business activities with United*
25 *Nations-designated entities and their affiliates in*
26 *the DPRK; and*

1 (B) to expel from the PRC individuals who
2 enable the DPRK to acquire materials for its nu-
3 clear and ballistic missile programs; and

4 (5) enforcing United Nations Security Council
5 resolutions with respect to the DPRK and United
6 States sanctions, including those pursuant to the
7 North Korea Sanctions and Policy Enhancement Act
8 of 2016 (Public Law 114–122), the Countering Amer-
9 ica’s Adversaries Through Sanctions Act (Public Law
10 115–44), the Otto Warmbier North Korea Nuclear
11 Sanctions and Enforcement Act of 2019 (title LXXI
12 of division F of Public Law 116–92), and relevant
13 United States executive orders.

14 **SEC. 3235. LIMITATION ON ASSISTANCE TO COUNTRIES**
15 **HOSTING CHINESE MILITARY INSTALLA-**
16 **TIONS.**

17 (a) *SENSE OF CONGRESS.*—It is the sense of Congress
18 that—

19 (1) although it casts the Belt and Road Initia-
20 tive (BRI) as a development initiative, the People’s
21 Republic of China is also utilizing the BRI to ad-
22 vance its own security interests, including to expand
23 its power projection capabilities and facilitate greater
24 access for the People’s Liberation Army through over-
25 seas military installations; and

1 (2) *the expansion of the People’s Liberation*
2 *Army globally through overseas military installations*
3 *will undermine the medium- and long-term security*
4 *of the United States and the security and development*
5 *of strategic partners in critical regions around the*
6 *world, which is at odds with United States goals to*
7 *promote peace, prosperity, and self-reliance among*
8 *partner nations, including through the Millennium*
9 *Challenge Corporation.*

10 (b) *LIMITATION ON ASSISTANCE.—Except as provided*
11 *in subsection (c), for fiscal years 2022 through 2031, the*
12 *government of a country that is hosting on its territory a*
13 *military installation of the Government of the People’s Re-*
14 *public of China or facilitates the expansion of the presence*
15 *of the People’s Liberation Army for purposes other than*
16 *participating in United Nations peacekeeping operations or*
17 *for temporary humanitarian, medical, and disaster relief*
18 *operations in such country shall not be eligible for assist-*
19 *ance under sections 609 or 616 of the Millennium Challenge*
20 *Act of 2003 (22 U.S.C. 7708, 7715).*

21 (c) *NATIONAL INTEREST WAIVER.—The President*
22 *may, on a case by case basis, waive the limitation in sub-*
23 *section (b) if the President submits to the appropriate con-*
24 *gressional committees—*

1 (1) *a written determination that the waiver is*
2 *important to the national interests of the United*
3 *States; and*

4 (2) *a detailed explanation of how the waiver is*
5 *important to those interests.*

6 ***Subtitle C—Regional Strategies to***
7 ***Counter the People’s Republic of***
8 ***China***

9 ***SEC. 3241. STATEMENT OF POLICY ON COOPERATION WITH***
10 ***ALLIES AND PARTNERS AROUND THE WORLD***
11 ***WITH RESPECT TO THE PEOPLE’S REPUBLIC***
12 ***OF CHINA.***

13 *It is the policy of the United States—*

14 (1) *to strengthen alliances and partnerships in*
15 *Europe and with like-minded countries around the*
16 *globe to effectively compete with the People’s Republic*
17 *of China; and*

18 (2) *to work in collaboration with such allies and*
19 *partners—*

20 (A) *to address significant diplomatic, eco-*
21 *nomics, and military challenges posed by the Peo-*
22 *ple’s Republic of China;*

23 (B) *to deter the People’s Republic of China*
24 *from pursuing military aggression;*

1 (C) to promote the peaceful resolution of ter-
2 ritorial disputes in accordance with inter-
3 national law;

4 (D) to promote private sector-led long-term
5 economic development while countering efforts by
6 the Government of the People's Republic of
7 China to leverage predatory economic practices
8 as a means of political and economic coercion in
9 the Indo-Pacific region and beyond;

10 (E) to promote the values of democracy and
11 human rights, including through efforts to end
12 the repression by the Chinese Communist Party
13 of political dissidents, Uyghurs, and other ethnic
14 Muslim minorities, Tibetan Buddhists, Chris-
15 tians, and other minorities;

16 (F) to respond to the crackdown by the Chi-
17 nese Communist Party, in contravention of the
18 commitments made under the Sino-British Joint
19 Declaration of 1984 and the Basic Law of Hong
20 Kong, on the legitimate aspirations of the people
21 of Hong Kong; and

22 (G) to counter the Chinese Communist Par-
23 ty's efforts to spread disinformation in the Peo-
24 ple's Republic of China and beyond with respect

1 *to the response of the Chinese Communist Party*
2 *to COVID–19.*

3 ***PART I—WESTERN HEMISPHERE***

4 ***SEC. 3245. SENSE OF CONGRESS REGARDING UNITED***
5 ***STATES-CANADA RELATIONS.***

6 *It is the sense of Congress that—*

7 (1) *the United States and Canada have a unique*
8 *relationship based on shared geography, extensive per-*
9 *sonal connections, deep economic ties, mutual defense*
10 *commitments, and a shared vision to uphold democ-*
11 *racy, human rights, and the rules based international*
12 *order established after World War II;*

13 (2) *the United States and Canada can better ad-*
14 *dress the People’s Republic of China’s economic, polit-*
15 *ical, and security influence through closer cooperation*
16 *on counternarcotics, environmental stewardship,*
17 *transparent practices in public procurement and in-*
18 *frastructure planning, the Arctic, energy and*
19 *connectivity issues, trade and commercial relations,*
20 *bilateral legal matters, and support for democracy,*
21 *good governance, and human rights;*

22 (3) *amidst the COVID–19 pandemic, the United*
23 *States and Canada should maintain joint initiatives*
24 *to address border management, commercial and trade*
25 *relations and infrastructure, a shared approach with*

1 *respect to the People’s Republic of China, and*
2 *transnational challenges, including pandemics, energy*
3 *security, and environmental stewardship;*

4 *(4) the United States and Canada should en-*
5 *hance cooperation to counter Chinese disinformation,*
6 *influence operations, economic espionage, and propa-*
7 *ganda efforts;*

8 *(5) the People’s Republic of China’s infrastruc-*
9 *ture investments, particularly in 5G telecommuni-*
10 *cations technology, extraction of natural resources,*
11 *and port infrastructure, pose national security risks*
12 *for the United States and Canada;*

13 *(6) the United States should share, as appro-*
14 *priate, intelligence gathered regarding—*

15 *(A) Huawei’s 5G capabilities; and*

16 *(B) the PRC government’s intentions with*
17 *respect to 5G expansion;*

18 *(7) the United States and Canada should con-*
19 *tinue to advance collaborative initiatives to imple-*
20 *ment the January 9, 2020, United States-Canada*
21 *Joint Action Plan on Critical Minerals Development*
22 *Collaboration; and*

23 *(8) the United States and Canada must*
24 *prioritize cooperation on continental defense and in*
25 *the Arctic, including by modernizing the North Amer-*

1 *practices, cyber security, secure supply chains and*
2 *critical minerals, and illicit narcotics;*

3 *(2) include a description of United States devel-*
4 *opment and coordination efforts with Canadian coun-*
5 *terparts to enhance the cooperation between the*
6 *United States and Canada with respect to—*

7 *(A) managing economic relations with the*
8 *People’s Republic of China;*

9 *(B) democracy and human rights in the*
10 *People’s Republic of China;*

11 *(C) technology issues involving the People’s*
12 *Republic of China;*

13 *(D) defense issues involving the People’s Re-*
14 *public of China; and*

15 *(E) international law enforcement and*
16 *transnational organized crime issues.*

17 *(3) detail diplomatic efforts and future plans to*
18 *work with Canada to counter the PRC’s projection of*
19 *an authoritarian governing model around the world;*

20 *(4) detail diplomatic, defense, and intelligence*
21 *cooperation to date and future plans to support Ca-*
22 *nadian efforts to identify cost-effective alternatives to*
23 *Huawei’s 5G technology;*

24 *(5) detail diplomatic and defense collaboration—*

1 (A) to advance joint United States-Canadian
2 priorities for responsible stewardship in the
3 Arctic Region; and

4 (B) to counter the PRC's efforts to project
5 political, economic, and military influence into
6 the Arctic Region; and

7 (6) detail diplomatic efforts to work with Canada
8 to track and counter the PRC's attempts to exert
9 influence across the multilateral system, including at
10 the World Health Organization.

11 (c) *FORM.*—The strategy required under this section
12 shall be submitted in an unclassified form that can be made
13 available to the public, but may include a classified annex,
14 if necessary.

15 (d) *CONSULTATION.*—Not later than 90 days after the
16 date of the enactment of this Act, and not less frequently
17 than every 180 days thereafter for 5 years, the Secretary
18 of State shall consult with the appropriate congressional
19 committees regarding the development and implementation
20 of the strategy required under this section.

1 **SEC. 3248. STRATEGY TO STRENGTHEN ECONOMIC COM-**
2 **PETITIVENESS, GOVERNANCE, HUMAN**
3 **RIGHTS, AND THE RULE OF LAW IN LATIN**
4 **AMERICA AND THE CARIBBEAN.**

5 (a) *IN GENERAL.*—Not later than 180 days after the
6 date of the enactment of this Act, the Secretary of State,
7 in consultation with the Secretary of the Treasury, the Sec-
8 retary of Commerce, the Attorney General, the United
9 States Trade Representative, and the Chief Executive Offi-
10 cer of the United States International Development Finance
11 Corporation, shall submit a multi-year strategy for increas-
12 ing United States economic competitiveness and promoting
13 good governance, human rights, and the rule of law in
14 Latin American and Caribbean countries, particularly in
15 the areas of investment, equitable and sustainable develop-
16 ment, commercial relations, anti-corruption activities, and
17 infrastructure projects, to—

18 (1) *the Committee on Foreign Relations of the*
19 *Senate;*

20 (2) *the Committee on Finance of the Senate;*

21 (3) *the Committee on Appropriations of the Sen-*
22 *ate;*

23 (4) *the Committee on Foreign Affairs of the*
24 *House of Representatives;*

25 (5) *the Committee on Ways and Means of the*
26 *House of Representatives; and*

1 (6) *the Committee on Appropriations of the*
2 *House of Representatives.*

3 (b) *ADDITIONAL ELEMENTS.—The strategy required*
4 *under subsection (a) shall include a plan of action, includ-*
5 *ing benchmarks to achieve measurable progress, to—*

6 (1) *enhance the technical capacity of countries in*
7 *the region to advance the sustainable development of*
8 *equitable economies;*

9 (2) *reduce trade and non-tariff barriers between*
10 *the countries of the Americas;*

11 (3) *facilitate a more open, transparent, and com-*
12 *petitive environment for United States businesses in*
13 *the region;*

14 (4) *establish frameworks or mechanisms to re-*
15 *view long term financial sustainability and security*
16 *implications of foreign investments in strategic sec-*
17 *tors or services, including transportation, commu-*
18 *nications, natural resources, and energy;*

19 (5) *establish competitive and transparent infra-*
20 *structure project selection and procurement processes*
21 *that promote transparency, open competition, finan-*
22 *cial sustainability, adherence to robust global stand-*
23 *ards, and the employment of the local workforce;*

1 (6) *strengthen legal structures critical to robust*
2 *democratic governance, fair competition, combatting*
3 *corruption, and ending impunity;*

4 (7) *identify and mitigate obstacles to private sec-*
5 *tor-led economic growth in Latin America and the*
6 *Caribbean; and*

7 (8) *maintain transparent and affordable access*
8 *to the internet and digital infrastructure in the West-*
9 *ern Hemisphere.*

10 (c) *BRIEFING REQUIREMENT.*—*Not later than 1 year*
11 *after the date of the enactment of this Act, and annually*
12 *thereafter for 5 years, the Secretary of State, after consulta-*
13 *tion with the Secretary of the Treasury, the Secretary of*
14 *Commerce, the Attorney General, the United States Trade*
15 *Representative, and the leadership of the United States*
16 *International Development Finance Corporation, shall brief*
17 *the congressional committees listed in subsection (a) regard-*
18 *ing the implementation of this part, including examples of*
19 *successes and challenges.*

20 **SEC. 3249. ENGAGEMENT IN INTERNATIONAL ORGANIZA-**
21 **TIONS AND THE DEFENSE SECTOR IN LATIN**
22 **AMERICA AND THE CARIBBEAN.**

23 (a) *APPROPRIATE COMMITTEES OF CONGRESS DE-*
24 *FINED.*—*In this section, the term “appropriate committees*
25 *of Congress” means—*

1 (1) *the Committee on Foreign Relations of the*
2 *Senate;*

3 (2) *the Select Committee on Intelligence of the*
4 *Senate;*

5 (3) *the Committee on Appropriations of the Sen-*
6 *ate;*

7 (4) *the Committee on Foreign Affairs of the*
8 *House of Representatives;*

9 (5) *the Permanent Select Committee on Intel-*
10 *ligence of the House of Representatives; and*

11 (6) *the Committee on Appropriations of the*
12 *House of Representatives.*

13 **(b) REPORTING REQUIREMENT.—**

14 (1) *IN GENERAL.—Not later than 90 days after*
15 *the date of the enactment of this Act, the Secretary of*
16 *State, working through the Assistant Secretary of*
17 *State for Intelligence and Research, and in coordina-*
18 *tion with the Director of National Intelligence and*
19 *the Director of the Central Intelligence Agency, shall*
20 *submit a report to the appropriate congressional com-*
21 *mittees that assesses the nature, intent, and impact to*
22 *United States strategic interests of Chinese diplomatic*
23 *activity aimed at influencing the decisions, proce-*
24 *dures, and programs of multilateral organizations in*
25 *Latin America and the Caribbean, including the*

1 *World Bank, International Monetary Fund, Organi-*
2 *zation of American States, and Inter-American Devel-*
3 *opment Bank.*

4 (2) *DEFENSE SECTOR.*—*The report required*
5 *under paragraph (1) shall include an assessment of*
6 *the nature, intent, and impact on United States stra-*
7 *tegic interests of Chinese military activity in Latin*
8 *America and the Caribbean, including military edu-*
9 *cation and training programs, weapons sales, and*
10 *space-related activities in the military or civilian*
11 *spheres, such as—*

12 (A) *the satellite and space control station*
13 *the People’s Republic of China constructed in*
14 *Argentina; and*

15 (B) *defense and security cooperation carried*
16 *out by the People’s Republic of China in Latin*
17 *America and the Caribbean, including sales of*
18 *surveillance and monitoring technology to gov-*
19 *ernments in the region such as Venezuela, Cuba,*
20 *Ecuador, and Colombia, and the potential use of*
21 *such technologies as tools of Chinese intelligence*
22 *services.*

23 (3) *FORM.*—*The report required under para-*
24 *graph (1) shall be submitted in unclassified form and*
25 *shall include classified annexes.*

1 **SEC. 3250. ADDRESSING CHINA'S SOVEREIGN LENDING**
2 **PRACTICES IN LATIN AMERICA AND THE CAR-**
3 **IBBEAN.**

4 (a) *SENSE OF CONGRESS.*—*It is the sense of Congress*
5 *that—*

6 (1) *since 2005, the Government of the People's*
7 *Republic of China has expanded sovereign lending to*
8 *governments in Latin America and the Caribbean*
9 *with loans that are repaid or collateralized with nat-*
10 *ural resources or commodities;*

11 (2) *several countries in Latin American and the*
12 *Caribbean that have received a significant amount of*
13 *sovereign lending from the Government of the People's*
14 *Republic of China face challenges in repaying such*
15 *loans;*

16 (3) *the Government of the People's Republic of*
17 *China's predatory economic practices and sovereign*
18 *lending practices in Latin America and the Carib-*
19 *bean negatively influence United States national in-*
20 *terests in the Western Hemisphere;*

21 (4) *the Inter-American Development Bank, the*
22 *premier multilateral development bank dedicated to*
23 *the Western Hemisphere, should play a significant*
24 *role supporting the countries of Latin America and*
25 *the Caribbean in achieving sustainable and service-*
26 *able debt structures; and*

1 (5) *a tenth general capital increase for the Inter-*
2 *American Development Bank would strengthen the*
3 *Bank's ability to help the countries of Latin America*
4 *and the Caribbean achieve sustainable and serviceable*
5 *debt structures.*

6 (b) *SUPPORT FOR A GENERAL CAPITAL INCREASE.—*
7 *The President shall take steps to support a tenth general*
8 *capital increase for the Inter-American Development Bank,*
9 *including advancing diplomatic engagement to build sup-*
10 *port among member countries of the Bank for a tenth gen-*
11 *eral capital increase for the Bank.*

12 (c) *TENTH CAPITAL INCREASE.—The Inter-American*
13 *Development Bank Act (22 U.S.C. 283 et seq.) is amended*
14 *by adding at the end the following:*

15 **“SEC. 42. TENTH CAPITAL INCREASE.**

16 “(a) *VOTE AUTHORIZED.—The United States Gov-*
17 *ernor of the Bank is authorized to vote in favor of a resolu-*
18 *tion to increase the capital stock of the Bank by*
19 *\$80,000,000,000 over a period not to exceed 5 years.*

20 “(b) *SUBSCRIPTION AUTHORIZED.—*

21 “(1) *IN GENERAL.—The United States Governor*
22 *of the Bank may subscribe on behalf of the United*
23 *States to 1,990,714 additional shares of the capital*
24 *stock of the Bank.*

1 “(2) *LIMITATION.*—*Any subscription by the*
2 *United States to the capital stock of the Bank shall*
3 *be effective only to such extent and in such amounts*
4 *as are provided in advance in appropriations Acts.*

5 “(c) *LIMITATIONS ON AUTHORIZATION OF APPROPRIA-*
6 *TIONS.*—

7 “(1) *IN GENERAL.*—*In order to pay for the in-*
8 *crease in the United States subscription to the Bank*
9 *under subsection (b), there is authorized to be appro-*
10 *propriated \$24,014,857,191 for payment by the Secretary*
11 *of the Treasury.*

12 “(2) *ALLOCATION OF FUNDS.*—*Of the amount*
13 *authorized to be appropriated under paragraph (1)—*

14 “(A) *\$600,371,430 shall be for paid in*
15 *shares of the Bank; and*

16 “(B) *\$23,414,485,761 shall be for callable*
17 *shares of the Bank.”.*

18 “(d) *ADDRESSING CHINA’S SOVEREIGN LENDING IN*
19 *THE AMERICAS.*—*The Secretary of the Treasury and the*
20 *United States Executive Director to the Inter-American De-*
21 *velopment Bank shall use the voice, vote, and influence of*
22 *the United States—*

23 (1) *to advance efforts by the Bank to help coun-*
24 *tries restructure debt resulting from sovereign lending*
25 *by the Government of the People’s Republic of China*

1 *in order to achieve sustainable and serviceable debt*
2 *structures; and*

3 *(2) to establish appropriate safeguards and*
4 *transparency and conditionality measures to protect*
5 *debt-vulnerable member countries of the Inter-Amer-*
6 *ican Development Bank that borrow from the Bank*
7 *for the purposes of restructuring Chinese bilateral*
8 *debt held by such countries and preventing such coun-*
9 *tries from incurring subsequent Chinese bilateral debt.*

10 *(e) BRIEFINGS.—*

11 *(1) IMPLEMENTATION.—Not later than 90 days*
12 *after the date of the enactment of this Act, and every*
13 *90 days thereafter for 6 years, the President shall pro-*
14 *vide to the Committee on Foreign Relations of the*
15 *Senate, the Committee on Finance of the Senate, the*
16 *Committee on Foreign Affairs of the House of Rep-*
17 *resentatives, and the Committee on Financial Services*
18 *of the House of Representatives a briefing detailing*
19 *efforts to carry out subsection (b) and (d) and the*
20 *amendment made by subsection (c).*

21 *(2) PROGRESS IN ACHIEVING SUSTAINABLE AND*
22 *SERVICEABLE DEBT STRUCTURES.—Not later than*
23 *180 days after the successful completion of a tenth*
24 *general capital increase for the Inter-American Devel-*
25 *opment Bank, and every 180 days thereafter for a pe-*

1 *riod of 3 years, the President shall provide to the*
2 *Committee on Foreign Relations of the Senate, the*
3 *Committee on Finance of the Senate, the Committee*
4 *on Foreign Affairs of the House of Representatives,*
5 *and the Committee on Financial Services of the*
6 *House of Representatives a briefing on efforts by the*
7 *Bank to support countries in Latin American and the*
8 *Caribbean in their efforts to achieve sustainable and*
9 *serviceable debt structures.*

10 **SEC. 3251. DEFENSE COOPERATION IN LATIN AMERICA AND**
11 **THE CARIBBEAN.**

12 *(a) IN GENERAL.—There is authorized to be appro-*
13 *priated to the Department of State \$12,000,000 for the*
14 *International Military Education and Training Program*
15 *for Latin America and the Caribbean for each of fiscal*
16 *years 2022 through 2026.*

17 *(b) MODERNIZATION.—The Secretary of State shall*
18 *take steps to modernize and strengthen the programs receiv-*
19 *ing funding under subsection (a) to ensure that such pro-*
20 *grams are vigorous, substantive, and the preeminent choice*
21 *for international military education and training for Latin*
22 *American and Caribbean partners.*

23 *(c) REQUIRED ELEMENTS.—The programs referred to*
24 *in subsection (a) shall—*

1 (1) *provide training and capacity-building op-*
2 *portunities to Latin American and Caribbean secu-*
3 *rity services;*

4 (2) *provide practical skills and frameworks for—*

5 (A) *improving the functioning and organi-*
6 *zation of security services in Latin America and*
7 *the Caribbean;*

8 (B) *creating a better understanding of the*
9 *United States and its values; and*

10 (C) *using technology for maximum effi-*
11 *ciency and organization; and*

12 (3) *promote and ensure that security services in*
13 *Latin America and the Caribbean respect civilian au-*
14 *thority and operate in compliance with international*
15 *norms, standards, and rules of engagement, including*
16 *a respect for human rights.*

17 (d) *LIMITATION.—Security assistance under this sec-*
18 *tion is subject to limitations as enshrined in the require-*
19 *ments of section 620M of the Foreign Assistance Act of 1961*
20 *(22 U.S.C. 2378d).*

1 **SEC. 3252. ENGAGEMENT WITH CIVIL SOCIETY IN LATIN**
2 **AMERICA AND THE CARIBBEAN REGARDING**
3 **ACCOUNTABILITY, HUMAN RIGHTS, AND THE**
4 **RISKS OF PERVASIVE SURVEILLANCE TECH-**
5 **NOLOGIES.**

6 (a) *SENSE OF CONGRESS.*—*It is the sense of Congress*
7 *that—*

8 (1) *the Government of the People’s Republic of*
9 *China is exporting its model for internal security and*
10 *state control of society through advanced technology*
11 *and artificial intelligence; and*

12 (2) *the inclusion of communication networks and*
13 *communications supply chains with equipment and*
14 *services from companies with close ties to or that are*
15 *susceptible to pressure from governments or security*
16 *services without reliable legal checks on governmental*
17 *powers can lead to breaches of citizens’ private infor-*
18 *mation, increased censorship, violations of human*
19 *rights, and harassment of political opponents.*

20 (b) *DIPLOMATIC ENGAGEMENT.*—*The Secretary of*
21 *State shall conduct diplomatic engagement with govern-*
22 *ments and civil society organizations in Latin America and*
23 *the Caribbean to—*

24 (1) *help identify and mitigate the risks to civil*
25 *liberties posed by technologies and services described*
26 *in subsection (a); and*

1 (2) *offer recommendations on ways to mitigate*
2 *such risks.*

3 (c) *INTERNET FREEDOM PROGRAMS.—The Chief Exec-*
4 *utive Officer of the United States Agency for Global Media,*
5 *working through the Open Technology Fund, and the Sec-*
6 *retary of State, working through the Bureau of Democracy,*
7 *Human Rights, and Labor’s Internet Freedom and Busi-*
8 *ness and Human Rights Section, shall expand and*
9 *prioritize efforts to provide anti-censorship technology and*
10 *services to journalists in Latin America and the Caribbean,*
11 *in order to enhance their ability to safely access or share*
12 *digital news and information.*

13 (d) *SUPPORT FOR CIVIL SOCIETY.—The Secretary of*
14 *State, through the Assistant Secretary of State for Democ-*
15 *racy, Human Rights, and Labor, and in coordination with*
16 *the Administrator of the United States Agency for Inter-*
17 *national Development, shall work through nongovernmental*
18 *organizations to—*

19 (1) *support and promote programs that support*
20 *internet freedom and the free flow of information on-*
21 *line in Latin America and the Caribbean;*

22 (2) *protect open, interoperable, secure, and reli-*
23 *able access to internet in Latin America and the Car-*
24 *ibbean;*

1 (3) *provide integrated support to civil society for*
2 *technology, digital safety, policy and advocacy, and*
3 *applied research programs in Latin America and the*
4 *Caribbean;*

5 (4) *train journalists and civil society leaders in*
6 *Latin America and the Caribbean on investigative*
7 *techniques necessary to ensure public accountability*
8 *and prevent government overreach in the digital*
9 *sphere;*

10 (5) *assist independent media outlets and journal-*
11 *ists in Latin America and the Caribbean to build*
12 *their own capacity and develop high-impact, in-depth*
13 *news reports covering governance and human rights*
14 *topics;*

15 (6) *provide training for journalists and civil so-*
16 *ciety leaders on investigative techniques necessary to*
17 *improve transparency and accountability in govern-*
18 *ment and the private sector;*

19 (7) *provide training on investigative reporting of*
20 *incidents of corruption and unfair trade, business*
21 *and commercial practices related to the People's Re-*
22 *public of China, including the role of the Government*
23 *of the People's Republic of China in such practices;*

1 (8) *assist nongovernmental organizations to*
2 *strengthen their capacity to monitor the activities de-*
3 *scribed in paragraph (7); and*

4 (9) *identify local resources to support the pre-*
5 *ponderance of activities that would be carried out*
6 *under this subsection.*

7 (e) *BRIEFING REQUIREMENT.*—*Not more than 180*
8 *days after the date of the enactment of this Act, and every*
9 *180 days thereafter for 5 years, the Secretary of State, the*
10 *Administrator of the United States Agency for Inter-*
11 *national Development, and the Chief Executive Officer of*
12 *the United States Agency for Global Media shall provide*
13 *a briefing regarding the efforts described in subsections (c),*
14 *(d), and (e) to—*

15 (1) *the Committee on Foreign Relations of the*
16 *Senate;*

17 (2) *the Committee on Appropriations of the Sen-*
18 *ate;*

19 (3) *the Committee on Foreign Affairs of the*
20 *House of Representatives; and*

21 (4) *the Committee on Appropriations of the*
22 *House of Representatives.*

PART II—TRANSATLANTIC ALLIANCE**SEC. 3255. SENSE OF CONGRESS ON THE TRANSATLANTIC ALLIANCE.**

It is the sense of Congress that—

(1) the United States, European Union, and European countries are close partners, sharing values grounded in democracy, human rights, transparency, and the rules-based international order established after World War II;

(2) without a common approach by the United States, European Union, and European countries on connectivity, trade, transnational problems, and support for democracy and human rights, the People's Republic of China will continue to increase its economic, political, and security leverage in Europe;

(3) the People's Republic of China's deployment of assistance to European countries following the COVID-19 outbreak showcased a coercive approach to aid, but it also highlighted Europe's deep economic ties to the People's Republic of China;

(4) as European states seek to recover from the economic toll of the COVID-19 outbreak, the United States must stand in partnership with Europe to support our collective economic recovery, reinforce our collective national security, and defend shared values;

1 (5) *the United States, European Union, and Eu-*
2 *ropean countries should coordinate on joint strategies*
3 *to diversify reliance on supply chains away from the*
4 *People’s Republic of China, especially in the medical*
5 *and pharmaceutical sectors;*

6 (6) *the United States, European Union, and Eu-*
7 *ropean countries should leverage their respective eco-*
8 *nomics innovation capabilities to support the global*
9 *economic recovery from the COVID–19 recession and*
10 *draw a contrast with the centralized economy of the*
11 *People’s Republic of China;*

12 (7) *the United States, United Kingdom, and Eu-*
13 *ropean Union should accelerate efforts to de-escalate*
14 *their trade disputes, including negotiating a United*
15 *States-European Union trade agreement that benefits*
16 *workers and the broader economy in both the United*
17 *States and European Union;*

18 (8) *the United States, European Union, and*
19 *Japan should continue trilateral efforts to address*
20 *economic challenges posed by the People’s Republic of*
21 *China;*

22 (9) *the United States, European Union, and*
23 *countries of Europe should enhance cooperation to*
24 *counter PRC disinformation, influence operations,*
25 *and propaganda efforts;*

1 (10) *the United States and European nations*
2 *share serious concerns with the repressions being sup-*
3 *ported and executed by the Government of the People’s*
4 *Republic of China, and should continue implementing*
5 *measures to address the Government of the People’s*
6 *Republic of China’s specific abuses in Tibet, Hong*
7 *Kong, and Xinjiang, and should build joint mecha-*
8 *nisms and programs to prevent the export of China’s*
9 *authoritarian governance model to countries around*
10 *the world;*

11 (11) *the United States and European nations*
12 *should remain united in their shared values against*
13 *attempts by the Government of the People’s Republic*
14 *of China at the United Nations and other multilateral*
15 *organizations to promote efforts that erode the Uni-*
16 *versal Declaration of Human Rights, like the “com-*
17 *munity of a shared future for mankind” and “democ-*
18 *ratization of international relations”;*

19 (12) *the People’s Republic of China’s infrastruc-*
20 *ture investments around the world, particularly in*
21 *5G telecommunications technology and port infra-*
22 *structure, could threaten democracy across Europe*
23 *and the national security of key countries;*

24 (13) *as appropriate, the United States should*
25 *share intelligence with European allies and partners*

1 *on Huawei's 5G capabilities and the intentions of the*
2 *Government of the People's Republic of China with*
3 *respect to 5G expansion in Europe;*

4 *(14) the European Union's Investment Screening*
5 *Regulation, which came into force in October 2020, is*
6 *a welcome development, and member states should*
7 *closely scrutinize PRC investments in their countries*
8 *through their own national investment screening*
9 *measures;*

10 *(15) the President should actively engage the Eu-*
11 *ropean Union on the implementation of the Export*
12 *Control Reform Act regulations and to better har-*
13 *monize United States and European Union policies*
14 *with respect to export controls;*

15 *(16) the President should strongly advocate for*
16 *the listing of more items and technologies to restrict*
17 *dual use exports controlled at the National Security*
18 *and above level to the People's Republic of China*
19 *under the Wassenaar Arrangement;*

20 *(17) the United States should explore the value*
21 *of establishing a body akin to the Coordinating Com-*
22 *mittee for Multilateral Export Controls (CoCom) that*
23 *would specifically coordinate United States and Eu-*
24 *ropean Union export control policies with respect to*

1 *limiting exports of sensitive technologies to the Peo-*
2 *ple’s Republic of China; and*

3 *(18) the United States should work with counter-*
4 *parts in Europe to—*

5 *(A) evaluate United States and European*
6 *overreliance on goods originating in the People’s*
7 *Republic of China, including in the medical and*
8 *pharmaceutical sectors, and develop joint strate-*
9 *gies to diversify supply chains;*

10 *(B) counter PRC efforts to use COVID–19-*
11 *related assistance as a coercive tool to pressure*
12 *developing countries by offering relevant United*
13 *States and European expertise and assistance;*
14 *and*

15 *(C) leverage the United States and Euro-*
16 *pean private sectors to advance the post-COVID–*
17 *19 economic recovery.*

18 **SEC. 3256. STRATEGY TO ENHANCE TRANSATLANTIC CO-**
19 **OPERATION WITH RESPECT TO THE PEOPLE’S**
20 **REPUBLIC OF CHINA.**

21 *(a) IN GENERAL.—Not later than 90 days after the*
22 *date of the enactment of this Act, the President shall brief*
23 *the Committee on Foreign Relations and the Committee on*
24 *Armed Services of the Senate and the Committee on Foreign*
25 *Affairs and the Committee on Armed Services of the House*

1 *of Representatives on a strategy for how the United States*
2 *will enhance cooperation with the European Union, NATO,*
3 *and European partner countries with respect to the People’s*
4 *Republic of China.*

5 (b) *ELEMENTS.—The briefing required by subsection*
6 *(a) shall do the following:*

7 (1) *Identify the senior Senate-confirmed Depart-*
8 *ment of State official that leads United States efforts*
9 *to cooperate with the European Union, NATO, and*
10 *European partner countries to advance a shared ap-*
11 *proach with respect to the People’s Republic of China.*

12 (2) *Identify key policy points of convergence and*
13 *divergence between the United States and European*
14 *partners with respect to the People’s Republic of*
15 *China in the areas of technology, trade, and economic*
16 *practices.*

17 (3) *Describe efforts to advance shared interests*
18 *with European counterparts on—*

19 (A) *economic challenges with respect to the*
20 *People’s Republic of China;*

21 (B) *democracy and human rights challenges*
22 *with respect to the People’s Republic of China;*

23 (C) *technology issues with respect to the*
24 *People’s Republic of China;*

1 (D) defense issues with respect to the Peo-
2 ple's Republic of China; and

3 (E) developing a comprehensive strategy to
4 respond to the Belt and Road Initiative (BRI)
5 established by the Government of the People's Re-
6 public of China.

7 (4) Describe the coordination mechanisms among
8 key regional and functional bureaus within the De-
9 partment of State and Department of Defense tasked
10 with engaging with European partners on the Peo-
11 ple's Republic of China.

12 (5) Detail diplomatic efforts up to the date of the
13 briefing and future plans to work with European
14 partners to counter the Government of the People's
15 Republic of China's advancement of an authoritarian
16 governance model around the world.

17 (6) Detail the diplomatic efforts made up to the
18 date of the briefing and future plans to support Euro-
19 pean efforts to identify cost-effective alternatives to
20 Huawei's 5G technology.

21 (7) Detail how United States public diplomacy
22 tools, including the Global Engagement Center of the
23 Department of State, will coordinate efforts with
24 counterpart entities within the European Union to
25 counter Chinese propaganda.

1 *based alternatives to state-directed financing in emerging*
2 *markets, particularly as related to the People’s Republic of*
3 *China’s Belt and Road Initiative (BRI), including by inte-*
4 *grating efforts such as—*

5 (1) *the European Union Strategy on Connecting*
6 *Europe and Asia;*

7 (2) *the Three Seas Initiative and Three Seas Ini-*
8 *tiative Fund;*

9 (3) *the Blue Dot Network among the United*
10 *States, Japan, and Australia; and*

11 (4) *a European Union-Japan initiative that has*
12 *leveraged \$65,000,000,000 for infrastructure projects*
13 *and emphasizes transparency standards.*

14 (b) *COOPERATION AT THE UNITED NATIONS.—The*
15 *United States, European Union, and European countries*
16 *should coordinate efforts to address the Government of the*
17 *People’s Republic of China’s use of the United Nations to*
18 *advance and legitimize BRI as a global good, including the*
19 *proliferation of memoranda of understanding between the*
20 *People’s Republic of China and United Nations funds and*
21 *programs on BRI implementation.*

22 (c) *STANDARDS.—The United States and the Euro-*
23 *pean Union should coordinate and develop a strategy to en-*
24 *hance transatlantic cooperation with the OECD and the*
25 *Paris Club on ensuring the highest possible standards for*

1 *Belt and Road Initiative contracts and terms with devel-*
2 *oping countries.*

3 **SEC. 3258. REPORT AND BRIEFING ON COOPERATION BE-**
4 **TWEEN CHINA AND IRAN AND BETWEEN**
5 **CHINA AND RUSSIA.**

6 (a) *APPROPRIATE COMMITTEES OF CONGRESS DE-*
7 *FINED.*—*In this section, the term “appropriate committees*
8 *of Congress” means—*

9 (1) *the Committee on Foreign Relations, the Se-*
10 *lect Committee on Intelligence, the Committee on*
11 *Armed Services, the Committee on Commerce,*
12 *Science, and Transportation, the Committee on En-*
13 *ergy and Natural Resources, the Committee on Bank-*
14 *ing, Housing, and Urban Affairs, the Committee on*
15 *Finance, and the Committee on Appropriations of the*
16 *Senate; and*

17 (2) *the Committee on Foreign Affairs, the Per-*
18 *manent Select Committee on Intelligence, the Com-*
19 *mittee on Armed Services, the Committee on Energy*
20 *and Commerce, the Committee on Financial Services,*
21 *the Committee on Ways and Means, and the Com-*
22 *mittee on Appropriations of the House of Representa-*
23 *tives.*

24 (b) *REPORT AND BRIEFING REQUIRED.*—

1 (1) *IN GENERAL.*—Not later than 180 days after
2 the date of the enactment of this Act, the Director of
3 National Intelligence shall, in coordination with the
4 Secretary of State, the Secretary of Defense, the Sec-
5 retary of Commerce, the Secretary of Energy, the Sec-
6 retary of the Treasury, and such other heads of Fed-
7 eral agencies as the Director considers appropriate,
8 submit to the appropriate committees of Congress a
9 report and brief the appropriate committees of Con-
10 gress on cooperation between the People’s Republic of
11 China and the Islamic Republic of Iran and between
12 the People’s Republic of China and the Russian Fed-
13 eration.

14 (2) *CONTENTS.*—The report submitted under
15 paragraph (1) shall include the following elements:

16 (A) *An identification of major areas of dip-*
17 *lomatic, energy, infrastructure, banking, finan-*
18 *cial, economic, military, and space coopera-*
19 *tion—*

20 (i) *between the People’s Republic of*
21 *China and the Islamic Republic of Iran;*
22 *and*

23 (ii) *between the People’s Republic of*
24 *China and the Russian Federation.*

1 (B) *An assessment of the effect of the*
2 *COVID–19 pandemic on such cooperation.*

3 (C) *An assessment of the effect that United*
4 *States compliance with the Joint Comprehensive*
5 *Plan of Action (JCPOA) starting in January*
6 *14, 2016, and United States withdrawal from*
7 *the JCPOA on May 8, 2018, had on the coopera-*
8 *tion described in subparagraph (A)(i).*

9 (D) *An assessment of the effect on the co-*
10 *operation described in subparagraph (A)(i) that*
11 *would be had by the United States reentering*
12 *compliance with the JCPOA or a successor*
13 *agreement and the effect of the United States not*
14 *reentering compliance with the JCPOA or reach-*
15 *ing a successor agreement.*

16 (3) *FORM.—The report submitted under para-*
17 *graph (1) shall be submitted in unclassified form, but*
18 *may include a classified annex.*

19 (c) *SENSE OF CONGRESS ON SHARING WITH ALLIES*
20 *AND PARTNERS.—It is the sense of Congress that the Direc-*
21 *tor of National Intelligence and the heads of other appro-*
22 *priate Federal departments and agencies should share the*
23 *findings of the report submitted under subsection (b) with*
24 *important allies and partners of the United States, as ap-*
25 *propriate.*

1 **SEC. 3259. PROMOTING RESPONSIBLE DEVELOPMENT AL-**
2 **TERNATIVES TO THE BELT AND ROAD INITIA-**
3 **TIVE.**

4 (a) *IN GENERAL.*—*The President should seek opportu-*
5 *nities to partner with multilateral development finance in-*
6 *stitutions to develop financing tools based on shared devel-*
7 *opment finance criteria and mechanisms to support invest-*
8 *ments in developing countries that—*

9 (1) *support low carbon economic development;*
10 *and*

11 (2) *promote resiliency and adaptation to envi-*
12 *ronmental changes.*

13 (b) *PARTNERSHIP AGREEMENT.*—*The Chief Executive*
14 *Officer of the United States International Development Fi-*
15 *nance Corporation should seek to partner with other multi-*
16 *lateral development finance institutions and development*
17 *finance institutions to leverage the respective available*
18 *funds to support low carbon economic development, which*
19 *may include nuclear energy projects, environmental adap-*
20 *tation, and resilience activities in developing countries.*

21 (c) *ALTERNATIVES TO THE PEOPLE’S REPUBLIC OF*
22 *CHINA’S BELT AND ROAD INITIATIVE.*—*The President shall*
23 *work with European counterparts to establish a formal*
24 *United States-European Commission Working Group to de-*
25 *velop a comprehensive strategy to develop alternatives to the*
26 *Government of the People’s Republic of China’s Belt and*

1 *Road Initiative for development finance. United States par-*
2 *ticipants in the working group shall seek to integrate exist-*
3 *ing efforts into the strategy, including efforts to address the*
4 *Government of the People's Republic of China's use of the*
5 *United Nations to advance the Belt and Road Initiative,*
6 *including the proliferation of memoranda of understanding*
7 *between the People's Republic of China and United Nations*
8 *funds and programs regarding the implementation of the*
9 *Belt and Road Initiative.*

10 (d) *CO-FINANCING OF INFRASTRUCTURE PROJECTS.—*

11 (1) *AUTHORIZATION.—Subject to paragraph (2),*
12 *the Secretary of State, the Administrator of the*
13 *United States Development Agency, and other rel-*
14 *evant agency heads are authorized to co-finance infra-*
15 *structure projects that advance the development objec-*
16 *tives of the United States overseas and provide viable*
17 *alternatives to projects that would otherwise be in-*
18 *cluded within the People's Republic of China's Belt*
19 *and Road Initiative.*

20 (2) *CONDITIONS.—Co-financing arrangements*
21 *authorized pursuant to paragraph (1) may not be ap-*
22 *proved unless—*

23 (A) *the projects to be financed—*

24 (i) *promote the public good;*

1 (ii) promote low carbon emissions,
2 which may include nuclear energy projects;
3 and

4 (iii) will have substantially lower envi-
5 ronmental impact than the proposed Belt
6 and Road Initiative alternative; and

7 (B) the Committee on Foreign Relations of
8 the Senate and the Committee on Foreign Affairs
9 of the House of Representatives are notified not
10 later than 15 days in advance of entering into
11 such co-financing arrangements.

12 **PART III—SOUTH AND CENTRAL ASIA**

13 **SEC. 3261. SENSE OF CONGRESS ON SOUTH AND CENTRAL**
14 **ASIA.**

15 *It is the sense of Congress that—*

16 (1) the United States should continue to stand
17 with friends and partners in South and Central Asia
18 as they contend with efforts by the Government of the
19 People’s Republic of China to interfere in their re-
20 spective political systems and encroach upon their
21 sovereign territory; and

22 (2) the United States should reaffirm its commit-
23 ment to the Comprehensive Global Strategic Partner-
24 ship with India and further deepen bilateral defense

1 *consultations and collaboration with India commensurate with its status as a major defense partner.*

3 **SEC. 3262. STRATEGY TO ENHANCE COOPERATION WITH**
4 **SOUTH AND CENTRAL ASIA.**

5 *(a) IN GENERAL.—Not later than 90 days after the*
6 *date of the enactment of this Act, the President shall submit*
7 *to the Committee on Foreign Relations and the Committee*
8 *on Armed Services of the Senate and the Committee on Foreign*
9 *Affairs and the Committee on Armed Services of the*
10 *House of Representatives a strategy for how the United*
11 *States will engage with the countries of South and Central*
12 *Asia, including through the C5+1 mechanism, with respect*
13 *to the People’s Republic of China.*

14 *(b) ELEMENTS.—The strategy required under subsection (a) shall include the following elements:*

16 *(1) A detailed description of the security and*
17 *economic challenges that the People’s Republic of*
18 *China poses to the countries of South and Central*
19 *Asia, including border disputes with South and Central*
20 *Asian countries that border the People’s Republic*
21 *of China, PRC investments in land and sea ports,*
22 *transportation infrastructure, and energy projects*
23 *across the region.*

24 *(2) A detailed description of United States efforts*
25 *to provide alternatives to PRC investment in in-*

1 *frastructure and other sectors in South and Central*
2 *Asia.*

3 (3) *A detailed description of bilateral and re-*
4 *gional efforts to work with countries in South Asia on*
5 *strategies to build resilience against PRC efforts to*
6 *interfere in their political systems and economies.*

7 (4) *A detailed description of United States diplo-*
8 *matic efforts to work with the Government of Afghani-*
9 *stan on addressing the challenges posed by PRC in-*
10 *vestment in the Afghan mineral sector.*

11 (5) *A detailed description of United States diplo-*
12 *matic efforts with the Government of Pakistan with*
13 *respect to matters relevant to the People's Republic of*
14 *China, including investments by the People's Republic*
15 *of China in Pakistan through the Belt and Road Ini-*
16 *tiative.*

17 (6) *In close consultation with the Government of*
18 *India, identification of areas where the United States*
19 *Government can provide diplomatic and other sup-*
20 *port as appropriate for India's efforts to address eco-*
21 *nomie and security challenges posed by the People's*
22 *Republic of China in the region.*

23 (7) *A description of the coordination mechanisms*
24 *among key regional and functional bureaus within*
25 *the Department of State and Department of Defense*

1 *tasked with engaging with the countries of South and*
2 *Central Asia on issues relating to the People’s Repub-*
3 *lic of China.*

4 (8) *A description of the efforts being made by*
5 *Federal departments agencies, including the Depart-*
6 *ment of State, the United States Agency for Inter-*
7 *national Development, the Department of Commerce,*
8 *the Department of Energy, and the Office of the*
9 *United States Trade Representative, to help the na-*
10 *tions of South and Central Asia develop trade and*
11 *commerce links that will help those nations diversify*
12 *their trade away from the People’s Republic of China.*

13 (9) *A detailed description of United States diplo-*
14 *matic efforts with Central Asian countries, Turkey,*
15 *and any other countries with significant populations*
16 *of Uyghurs and other ethnic minorities fleeing perse-*
17 *cution in the People’s Republic of China to press*
18 *those countries to refrain from deporting ethnic mi-*
19 *norities to the People’s Republic of China, protect eth-*
20 *nic minorities from intimidation by Chinese govern-*
21 *ment authorities, and protect the right to the freedoms*
22 *of assembly and expression.*

23 (c) *FORM.*—*The strategy required under section (a)*
24 *shall be submitted in an unclassified form that can be made*

1 *available to the public, but may include a classified annex*
2 *as necessary.*

3 (d) *CONSULTATION.*—*Not later than 120 days after the*
4 *date of the enactment of this Act, and not less than annually*
5 *thereafter for 5 years, the Secretary of State shall consult*
6 *with the Committee on Foreign Relations and the Com-*
7 *mittee on Appropriations of the Senate and the Committee*
8 *of Foreign Affairs and the Committee on Appropriations*
9 *of the House of Representatives regarding the development*
10 *and implementation of the strategy required under sub-*
11 *section (a).*

12 **PART IV—AFRICA**

13 **SEC. 3271. ASSESSMENT OF POLITICAL, ECONOMIC, AND SE-**
14 **CURITY ACTIVITY OF THE PEOPLE’S REPUB-**
15 **LIC OF CHINA IN AFRICA.**

16 (a) *APPROPRIATE COMMITTEES OF CONGRESS DE-*
17 *FINED.*—*In this section, the term “appropriate committees*
18 *of Congress” means—*

19 (1) *the Committee on Foreign Relations, the*
20 *Committee on Armed Services, and the Select Com-*
21 *mittee on Intelligence of the Senate; and*

22 (2) *the Committee on Foreign Affairs, the Com-*
23 *mittee on Armed Services, and the Permanent Select*
24 *Committee on Intelligence of the House of Representa-*
25 *tives.*

1 (b) *INTELLIGENCE ASSESSMENT.*—Not later than 180
2 days after the date of the enactment of this Act, the Sec-
3 retary of State shall, in coordination with the Director of
4 National Intelligence, submit to the appropriate committees
5 of Congress a report that assesses the nature and impact
6 of the People’s Republic of China’s political, economic, and
7 security sector activity in Africa, and its impact on United
8 States strategic interests, including—

9 (1) *the amount and impact of direct investment,*
10 *loans, development financing, oil-for-loans deals, and*
11 *other preferential trading arrangements;*

12 (2) *the involvement of PRC state-owned enter-*
13 *prises in Africa;*

14 (3) *the amount of African debt held by the Peo-*
15 *ple’s Republic of China;*

16 (4) *the involvement of PRC private security,*
17 *technology and media companies in Africa;*

18 (5) *the scale and impact of PRC arms sales to*
19 *African countries;*

20 (6) *the scope of Chinese investment in and con-*
21 *trol of African energy resources and minerals critical*
22 *for emerging and foundational technologies;*

23 (7) *an analysis of the linkages between Beijing’s*
24 *aid and assistance to African countries and African*

1 *countries supporting PRC geopolitical goals in inter-*
2 *national fora;*

3 *(8) the methods, tools, and tactics used to facili-*
4 *tate illegal and corrupt activity, including trade in*
5 *counterfeit and illicit goods, to include smuggled ex-*
6 *tractive resources and wildlife products, from Africa*
7 *to the People’s Republic of China;*

8 *(9) the methods and techniques that the People’s*
9 *Republic of China uses to exert undue influence on*
10 *African governments and facilitate corrupt activity*
11 *in Africa, including through the CCP’s party-to-party*
12 *training program, and to influence African multilat-*
13 *eral organizations; and*

14 *(10) an analysis of the soft power, cultural and*
15 *educational activities undertaken by the PRC and*
16 *CCP to seek to expand their influence in Africa.*

17 **SEC. 3272. INCREASING THE COMPETITIVENESS OF THE**
18 **UNITED STATES IN AFRICA.**

19 *(a) APPROPRIATE COMMITTEES OF CONGRESS DE-*
20 *FINED.—In this section, the term “appropriate committees*
21 *of Congress” means—*

22 *(1) the Committee on Foreign Relations, the*
23 *Committee on Appropriations, and the Committee on*
24 *Finance of the Senate; and*

1 (2) *the Committee on Foreign Affairs, the Com-*
2 *mittee on Appropriations, and the Committee on*
3 *Ways and Means of the House of Representatives.*

4 (b) *STRATEGY REQUIREMENT.*—*Not later than 180*
5 *days after the date of the enactment of this Act, the Sec-*
6 *retary of State shall, in consultation with the Secretary of*
7 *the Treasury, the Secretary of Commerce, the Attorney Gen-*
8 *eral, the United States Trade Representative, the Adminis-*
9 *trator of the United States Agency for International Devel-*
10 *opment, and the leadership of the United States Inter-*
11 *national Development Finance Corporation, submit to the*
12 *appropriate committees of Congress a report setting forth*
13 *a multi-year strategy for increasing United States economic*
14 *competitiveness and promoting improvements in the invest-*
15 *ment climate in Africa, including through support for*
16 *democratic institutions, the rule of law, including property*
17 *rights, and for improved transparency, anti-corruption and*
18 *governance.*

19 (c) *ELEMENTS.*—*The strategy submitted pursuant to*
20 *subsection (a) shall include—*

21 (1) *a description and assessment of barriers to*
22 *United States investment in Africa for United States*
23 *businesses, including a clear identification of the dif-*
24 *ferent barriers facing small-sized and medium-sized*

1 *businesses, and an assessment of whether existing pro-*
2 *grams effectively address such barriers;*

3 *(2) a description and assessment of barriers to*
4 *African diaspora investment in Africa, and rec-*
5 *ommendations to overcome such barriers;*

6 *(3) an identification of the economic sectors in*
7 *the United States that have a comparative advantage*
8 *in African markets;*

9 *(4) a determination of priority African countries*
10 *for promoting two-way trade and investment and an*
11 *assessment of additional foreign assistance needs, in-*
12 *cluding democracy and governance and rule of law*
13 *support, to promote a conducive operating environ-*
14 *ment in priority countries;*

15 *(5) an identification of opportunities for stra-*
16 *tegic cooperation with European allies on trade and*
17 *investment in Africa, and for establishing a dialogue*
18 *on trade, security, development, and environmental*
19 *issues of mutual interest; and*

20 *(6) a plan to regularly host a United States-Af-*
21 *rica Leaders Summit to promote two-way trade and*
22 *investment, strategic engagement, and security in Af-*
23 *rica*

1 (d) *ASSESSMENT OF UNITED STATES GOVERNMENT*
2 *HUMAN RESOURCES CAPACITY.*—*The Comptroller General*
3 *of the United States shall—*

4 (1) *conduct a review of the number of Foreign*
5 *Commercial Service Officers and Department of State*
6 *Economic Officers at United States embassies in sub-*
7 *Saharan Africa; and*

8 (2) *develop and submit to the appropriate con-*
9 *gressional committees an assessment of whether*
10 *human resource capacity in such embassies is ade-*
11 *quate to meet the goals of the various trade and eco-*
12 *nomical programs and initiatives in Africa, including*
13 *the African Growth and Opportunity Act and Pros-*
14 *per Africa.*

15 **SEC. 3273. DIGITAL SECURITY COOPERATION WITH RE-**
16 **SPECT TO AFRICA.**

17 (a) *APPROPRIATE COMMITTEES OF CONGRESS DE-*
18 *FINED.*—*In this section, the term “appropriate committees*
19 *of Congress” means—*

20 (1) *the Committee on Foreign Relations, the*
21 *Committee on Armed Services, and the Select Com-*
22 *mittee on Intelligence of the Senate; and*

23 (2) *the Committee on Foreign Affairs, the Com-*
24 *mittee on Armed Services, and the Permanent Select*

1 *Committee on Intelligence of the House of Representa-*
2 *tives.*

3 *(b) INTERAGENCY WORKING GROUP TO COUNTER PRC*
4 *CYBER AGGRESSION IN AFRICA.—*

5 *(1) IN GENERAL.—The President shall establish*
6 *an interagency Working Group, which shall include*
7 *representatives of the Department of State, the De-*
8 *partment of Defense, the Office of the Director of Na-*
9 *tional Intelligence, and such other agencies of the*
10 *United States Government as the President considers*
11 *appropriate, on means to counter PRC cyber aggres-*
12 *sion with respect to Africa.*

13 *(2) DUTIES.—The Working Group established*
14 *pursuant to this subsection shall develop and submit*
15 *to the appropriate congressional committees a set of*
16 *recommendations for—*

17 *(A) bolstering the capacity of governments*
18 *in Africa to ensure the integrity of their data*
19 *networks and critical infrastructure where appli-*
20 *cable;*

21 *(B) providing alternatives to Huawei;*

22 *(C) an action plan for United States embas-*
23 *sies in Africa to offer to provide assistance to*
24 *host-country governments with respect to pro-*
25 *tecting their vital digital networks and infra-*

1 *structure from PRC espionage, including an as-*
2 *essment of staffing resources needed to imple-*
3 *ment the action plan in embassies in Africa;*

4 *(D) utilizing interagency resources to*
5 *counter PRC disinformation and propaganda in*
6 *traditional and digital media targeted to Afri-*
7 *can audiences; and*

8 *(E) helping civil society in Africa counter*
9 *digital authoritarianism and identifying tools*
10 *and assistance to enhance and promote digital*
11 *democracy.*

12 **SEC. 3274. INCREASING PERSONNEL IN UNITED STATES EM-**
13 **BASSIES IN SUB-SAHARAN AFRICA FOCUSED**
14 **ON THE PEOPLE’S REPUBLIC OF CHINA.**

15 *The Secretary of State may station on a permanent*
16 *basis Department of State personnel at such United States*
17 *embassies in sub-Saharan Africa as the Secretary considers*
18 *appropriate focused on the activities, policies and invest-*
19 *ments of the People’s Republic of China in Africa.*

20 **SEC. 3275. SUPPORT FOR YOUNG AFRICAN LEADERS INITIA-**
21 **TIVE.**

22 *(a) FINDING.—Congress finds that youth in Africa can*
23 *have a positive impact on efforts to foster economic growth,*
24 *improve public sector transparency and governance, and*

1 *counter extremism, and should be an area of focus for*
2 *United States outreach on the continent.*

3 **(b) POLICY.**—*It is the policy of the United States, in*
4 *cooperation and collaboration with private sector compa-*
5 *nies, civic organizations, nongovernmental organizations,*
6 *and national and regional public sector entities, to commit*
7 *resources to enhancing the entrepreneurship and leadership*
8 *skills of African youth with the objective of enhancing their*
9 *ability to serve as leaders in the public and private sectors*
10 *in order to help them spur growth and prosperity, strenght-*
11 *en democratic governance, and enhance peace and security*
12 *in their respective countries of origin and across Africa.*

13 **(c) YOUNG AFRICAN LEADERS INITIATIVE.**—

14 **(1) IN GENERAL.**—*There is hereby established the*
15 *Young African Leaders Initiative, to be carried out by*
16 *the Secretary of State.*

17 **(2) FELLOWSHIPS.**—*The Secretary is authorized*
18 *to support the participation in the Initiative estab-*
19 *lished under this paragraph, in the United States, of*
20 *fellows from Africa each year for such education and*
21 *training in leadership and professional development*
22 *through the Department of State as the Secretary of*
23 *State considers appropriate. The Secretary shall es-*
24 *tablish and publish criteria for eligibility for partici-*

1 *pation as such a fellow, and for selection of fellows*
2 *among eligible applicants for a fellowship.*

3 (3) *RECIPROCAL EXCHANGES.*—*Under the Ini-*
4 *tiative, United States citizens may engage in such re-*
5 *ciprocal exchanges in connection with and collabora-*
6 *tion on projects with fellows under paragraph (1) as*
7 *the Secretary considers appropriate.*

8 (4) *REGIONAL CENTERS AND NETWORKS.*—*The*
9 *Administrator of the United States Agency for Inter-*
10 *national Development shall establish each of the fol-*
11 *lowing:*

12 (A) *Not fewer than four regional centers in*
13 *Africa to provide in-person and online training*
14 *throughout the year in business and entrepre-*
15 *neurship, civic leadership, and public manage-*
16 *ment.*

17 (B) *An online network that provides infor-*
18 *mation and online courses on, and connections*
19 *with leaders in, the private and public sectors in*
20 *Africa.*

21 (d) *SENSE OF CONGRESS.*—*It is the sense of Congress*
22 *that the Secretary of State should increase the number of*
23 *fellows from Africa participating in the Mandela Wash-*
24 *ington Fellowship above the current 700 projected for fiscal*
25 *year 2021.*

1 **SEC. 3276. AFRICA BROADCASTING NETWORKS.**

2 *Not later than 180 days after the date of the enactment*
3 *of this Act, the CEO of the United States Agency for Global*
4 *Media shall submit to the appropriate congressional com-*
5 *mittees a report on the resources and timeline needed to*
6 *establish within the Agency an organization whose mission*
7 *shall be to promote democratic values and institutions in*
8 *Africa by providing objective, accurate, and relevant news*
9 *and information to the people of Africa and counter*
10 *disinformation from malign actors, especially in countries*
11 *where a free press is banned by the government or not fully*
12 *established, about the region, the world, and the United*
13 *States through uncensored news, responsible discussion, and*
14 *open debate.*

15 **PART V—MIDDLE EAST AND NORTH AFRICA**

16 **SEC. 3281. STRATEGY TO COUNTER CHINESE INFLUENCE**
17 **IN, AND ACCESS TO, THE MIDDLE EAST AND**
18 **NORTH AFRICA.**

19 *(a) SENSE OF CONGRESS.—It is the sense of Congress*
20 *that—*

21 *(1) the economic influence of the People’s Repub-*
22 *lic of China through its oil and gas imports from the*
23 *Middle East, infrastructure investments, technology*
24 *transfer, and arms sales provides influence and lever-*
25 *age that runs counter to United States interests in the*
26 *region;*

1 (2) *the People’s Republic of China seeks to erode*
2 *United States influence in the Middle East and North*
3 *Africa through the sale of Chinese arms, associated*
4 *weapons technology, and joint weapons research and*
5 *development initiatives;*

6 (3) *the People’s Republic of China seeks to estab-*
7 *lish military or dual use facilities in geographically*
8 *strategic locations in the Middle East and North Afri-*
9 *ca to further the Chinese Communist Party’s Belt and*
10 *Road Initiative at the expense of United States na-*
11 *tional security interests; and*

12 (4) *the export of certain communications infra-*
13 *structure from the People’s Republic of China de-*
14 *grades the security of partner networks, exposes intel-*
15 *lectual property to theft, threatens the ability of the*
16 *United States to conduct security cooperation with*
17 *compromised regional partners, and furthers China’s*
18 *authoritarian surveillance model.*

19 (b) *STRATEGY REQUIRED.—*

20 (1) *IN GENERAL.—Not later than 90 days after*
21 *the date of the enactment of this Act, the Secretary of*
22 *State, in consultation with the Administrator of the*
23 *United States Agency for International Development*
24 *and the heads of other appropriate Federal agencies,*
25 *shall jointly develop and submit to the appropriate*

1 *congressional committees a strategy for countering*
2 *and limiting Chinese influence in, and access to, the*
3 *Middle East and North Africa.*

4 (2) *ELEMENTS.—The strategy required under*
5 *paragraph (1) shall include—*

6 (A) *an assessment of the People’s Republic*
7 *of China’s intent with regards to increased co-*
8 *operation with Middle East and North African*
9 *countries and how these activities fit into its*
10 *broader global strategic objectives;*

11 (B) *an assessment of how governments*
12 *across the region are responding to the People’s*
13 *Republic of China’s efforts to increase its mili-*
14 *tary presence in their countries;*

15 (C) *efforts to improve regional cooperation*
16 *through foreign military sales, financing, and ef-*
17 *forts to build partner capacity and increase*
18 *interoperability with the United States;*

19 (D) *an assessment of the People’s Republic*
20 *of China’s joint research and development with*
21 *the Middle East and North Africa, impacts on*
22 *the United States’ national security interests,*
23 *and recommended steps to mitigate the People’s*
24 *Republic of China’s influence in this area;*

1 (E) *an assessment of arms sales and weap-*
2 *ons technology transfers from the People’s Repub-*
3 *lic of China to the Middle East and North Afri-*
4 *ca, impacts on United States’ national security*
5 *interests, and recommended steps to mitigate the*
6 *People’s Republic of China’s influence in this*
7 *area;*

8 (F) *an assessment of the People’s Republic*
9 *of China’s military sales to the region including*
10 *lethal and non-lethal unmanned aerial systems;*

11 (G) *an assessment of People’s Republic of*
12 *China military basing and dual-use facility ini-*
13 *tiatives across the Middle East and North Africa,*
14 *impacts on United States’ national security in-*
15 *terests, and recommended steps to mitigate the*
16 *People’s Republic of China’s influence in this*
17 *area;*

18 (H) *efforts to improve regional security co-*
19 *operation with United States allies and partners*
20 *with a focus on—*

21 (i) *maritime security in the Arabian*
22 *Gulf, the Red Sea, and the Eastern Medi-*
23 *terranean;*

24 (ii) *integrated air and missile defense;*

25 (iii) *cyber security;*

1 (iv) border security; and

2 (v) critical infrastructure security, to
3 include energy security;

4 (I) increased support for government-to-gov-
5 ernment engagement on critical infrastructure
6 development projects including ports and water
7 infrastructure;

8 (J) efforts to encourage United States pri-
9 vate sector and public-private partnerships in
10 healthcare technology and foreign direct invest-
11 ment in non-energy sectors;

12 (K) efforts to expand youth engagement and
13 professional education exchanges with key part-
14 ner countries;

15 (L) specific steps to counter increased in-
16 vestment from the People's Republic of China in
17 telecommunications infrastructure and diplo-
18 matic efforts to stress the political, economic, and
19 social benefits of a free and open internet;

20 (M) efforts to promote United States private
21 sector engagement in and public-private partner-
22 ships on renewable energy development;

23 (N) the expansion of public-private partner-
24 ship efforts on water, desalination, and irriga-
25 tion projects; and

1 (O) efforts to warn United States partners
2 in the Middle East and North Africa of the risks
3 associated with the People’s Republic of China’s
4 telecommunications infrastructure and provide
5 alternative “clean paths” to the People’s Repub-
6 lic of China’s technology.

7 **SEC. 3282. SENSE OF CONGRESS ON MIDDLE EAST AND**
8 **NORTH AFRICA ENGAGEMENT.**

9 (a) *FINDINGS.*—Congress makes the following findings:

10 (1) *The United States and the international*
11 *community have long-term interests in the stability,*
12 *security, and prosperity of the people of the Middle*
13 *East and North Africa.*

14 (2) *In addition to and apart from military and*
15 *security efforts, the United States should harness a*
16 *whole of government approach, including bilateral*
17 *and multilateral statecraft, economic lines of effort,*
18 *and public diplomacy to compete with and counter*
19 *Chinese Communist Party influence.*

20 (3) *A clearly articulated positive narrative of*
21 *United States engagement, transparent governance*
22 *structures, and active civil society engagement help*
23 *counter predatory foreign investment and influence*
24 *efforts.*

1 (b) *STATEMENT OF POLICY.—It is the policy of the*
2 *United States that the United States and the international*
3 *community should continue diplomatic and economic ef-*
4 *forts throughout the Middle East and North Africa that sup-*
5 *port reform efforts to—*

- 6 (1) *promote greater economic opportunity;*
7 (2) *foster private sector development;*
8 (3) *strengthen civil society; and*
9 (4) *promote transparent and democratic govern-*
10 *ance and the rule of law.*

11 **PART VI—ARCTIC REGION**

12 **SEC. 3285. ARCTIC DIPLOMACY.**

13 (a) *SENSE OF CONGRESS ON ARCTIC SECURITY.—It*
14 *is the sense of Congress that—*

- 15 (1) *the rapidly changing Arctic environment—*
16 (A) *creates new national and regional secu-*
17 *rity challenges due to increased military activity*
18 *in the Arctic;*
19 (B) *heightens the risk of the Arctic emerging*
20 *as a major theater of conflict in ongoing stra-*
21 *tegic competition;*
22 (C) *threatens maritime safety as Arctic lit-*
23 *toral nations have inadequate capacity to patrol*
24 *the increased vessel traffic in this remote region,*

1 *which is a result of diminished annual levels of*
2 *sea ice;*

3 *(D) impacts public safety due to increased*
4 *human activity in the Arctic region where search*
5 *and rescue capacity remains very limited; and*

6 *(E) threatens the health of the Arctic's frag-*
7 *ile and pristine environment and the unique and*
8 *highly sensitive species found in the Arctic's ma-*
9 *rine and terrestrial ecosystems; and*

10 *(2) the United States should reduce the con-*
11 *sequences outlined in paragraph (1) by—*

12 *(A) carefully evaluating the wide variety*
13 *and dynamic set of security and safety risks un-*
14 *folding in the Arctic;*

15 *(B) developing policies and making prep-*
16 *arations to mitigate and respond to threats and*
17 *risks in the Arctic, including by continuing to*
18 *work with allies and partners in the Arctic re-*
19 *gion to deter potential aggressive activities and*
20 *build Arctic competencies;*

21 *(C) adequately funding the National Earth*
22 *System Prediction Capability to substantively*
23 *improve weather, ocean, and ice predictions on*
24 *the time scales necessary to ensure regional secu-*
25 *rity and trans-Arctic shipping;*

1 (D) investing in resources, including a sig-
2 nificantly expanded icebreaker fleet, to ensure
3 that the United States has adequate capacity to
4 prevent and respond to security threats in the
5 Arctic region;

6 (E) pursuing diplomatic engagements with
7 all nations in the Arctic region for—

8 (i) maintaining peace and stability in
9 the Arctic region;

10 (ii) fostering cooperation on steward-
11 ship and safety initiatives in the Arctic re-
12 gion;

13 (iii) ensuring safe and efficient man-
14 agement of commercial maritime traffic in
15 the Arctic;

16 (iv) promoting responsible natural re-
17 source management and economic develop-
18 ment; and

19 (v) countering China's Polar Silk
20 Road initiative; and

21 (F) examining the possibility of reconvening
22 the Arctic Chiefs of Defense Forum.

23 (b) STATEMENT OF POLICY.—It is the policy of the
24 United States—

1 (1) to recognize only the nations enumerated in
2 subsection (c)(1) as Arctic nations, and to reject all
3 other claims to this status; and

4 (2) that the militarization of the Arctic poses a
5 serious threat to Arctic peace and stability, and the
6 interests of United States allies and partners.

7 (c) *DEFINITIONS.*—*In this section:*

8 (1) *ARCTIC NATIONS.*—*The term “Arctic na-*
9 *tions” means the 8 nations with territory or exclusive*
10 *economic zones that extend north of the 66.56083 par-*
11 *allel latitude north of the equator, namely Russia,*
12 *Canada, the United States, Norway, Denmark (in-*
13 *cluding Greenland), Finland, Sweden, and Iceland.*

14 (2) *ARCTIC REGION.*—*The term “Arctic Region”*
15 *means the geographic region north of the 66.56083*
16 *parallel latitude north of the equator.*

17 (d) *DESIGNATION.*—*The Assistant Secretary of State*
18 *for Oceans and International Environmental and Scientific*
19 *Affairs (OES) shall designate a deputy assistant secretary*
20 *serving within the Bureau of Oceans and International En-*
21 *vironmental and Scientific Affairs as “Deputy Assistant*
22 *Secretary for Arctic Affairs”, who shall be responsible for*
23 *OES affairs in the Arctic Region.*

24 (e) *DUTIES.*—*The Deputy Assistant Secretary for Arc-*
25 *tic Affairs shall—*

1 (1) *facilitate the development and coordination*
2 *of United States foreign policy in the Arctic Region*
3 *relating to—*

4 (A) *strengthening institutions for coopera-*
5 *tion among the Arctic nations;*

6 (B) *enhancing scientific monitoring and re-*
7 *search on local, regional, and global environ-*
8 *mental issues;*

9 (C) *protecting the Arctic environment and*
10 *conserving its biological resources;*

11 (D) *promoting responsible natural resource*
12 *management and economic development; and*

13 (E) *involving Arctic indigenous people in*
14 *decisions that affect them.*

15 (2) *coordinate the diplomatic objectives with re-*
16 *spect to the activities described in paragraph (1),*
17 *and, as appropriate, represent the United States*
18 *within multilateral fora that address international*
19 *cooperation and foreign policy matters in the Arctic*
20 *Region;*

21 (3) *help inform, in coordination with the Bureau*
22 *of Economic and Business Affairs, transnational com-*
23 *merce and commercial maritime transit in the Arctic*
24 *Region;*

1 (4) *coordinate the integration of scientific data*
2 *on the current and projected effects of emerging envi-*
3 *ronmental changes on the Arctic Region and ensure*
4 *that such data is applied to the development of secu-*
5 *rity strategies for the Arctic Region;*

6 (5) *make available the methods and approaches*
7 *on the integration of environmental science and data*
8 *to other regional security planning programs in the*
9 *Department of State to better ensure that broader de-*
10 *cision making processes may more adequately account*
11 *for the changing environment;*

12 (6) *assist with the development of, and facilitate*
13 *the implementation of, an Arctic Region Security*
14 *Policy in accordance with subsection (f);*

15 (7) *use the voice, vote, and influence of the*
16 *United States to encourage other countries and inter-*
17 *national multilateral organizations to support the*
18 *principles of the Arctic Region Security Policy imple-*
19 *mented pursuant to subsection (f); and*

20 (8) *perform such other duties and exercise such*
21 *powers as the Assistant Secretary of State for Oceans*
22 *and International Environmental and Scientific Af-*
23 *airs shall prescribe.*

24 (f) *RANK AND STATUS.*—*The President shall appoint*
25 *the Deputy Assistant Secretary for Arctic Affairs designated*

1 *under subsection (d) to Special Representative or Special*
2 *Envoy with the rank of Ambassador by and with the con-*
3 *sent of the Senate.*

4 *(g) ARCTIC REGION SECURITY POLICY.—The Bureau*
5 *of European and Eurasian Affairs shall be the lead bureau*
6 *for developing and implementing the United States’ Arctic*
7 *Region Security Policy, in coordination with the Bureau*
8 *of Oceans and International Environmental and Scientific*
9 *Affairs, the Bureau of Political-Military Affairs, embassies,*
10 *other regional bureaus, and relevant offices to advance*
11 *United States national security interests, including through*
12 *conflict prevention efforts, security assistance, humani-*
13 *tarian disaster response and prevention, and economic and*
14 *other relevant assistance programs. The Arctic Region Secu-*
15 *rity Policy shall assess, develop, budget for, and implement*
16 *plans, policies, and actions—*

17 *(1) to bolster the diplomatic presence of the*
18 *United States in Arctic nations, including through*
19 *enhancements to diplomatic missions and facilities,*
20 *participation in regional and bilateral dialogues re-*
21 *lated to Arctic security, and coordination of United*
22 *States initiatives and assistance programs across*
23 *agencies to protect the national security of the United*
24 *States and its allies and partners;*

1 (2) to enhance the resilience capacities of Arctic
2 nations to the effects of environmental change and in-
3 creased civilian and military activity by Arctic na-
4 tions and other nations that may result from in-
5 creased accessibility of the Arctic Region;

6 (3) to assess specific added risks to the Arctic Re-
7 gion and Arctic nations that—

8 (A) are vulnerable to the changing Arctic
9 environment; and

10 (B) are strategically significant to the
11 United States;

12 (4) to coordinate the integration of environ-
13 mental change and national security risk and vulner-
14 ability assessments into the decision making process
15 on foreign assistance awards to Greenland;

16 (5) to advance principles of good governance by
17 encouraging and cooperating with Arctic nations on
18 collaborative approaches—

19 (A) to responsibly manage natural resources
20 in the Arctic Region;

21 (B) to share the burden of ensuring mari-
22 time safety in the Arctic Region;

23 (C) to prevent the escalation of security ten-
24 sions by mitigating against the militarization of
25 the Arctic Region;

1 (D) to develop mutually agreed upon multi-
2 lateral policies among Arctic nations on the
3 management of maritime transit routes through
4 the Arctic Region and work cooperatively on the
5 transit policies for access to and transit in the
6 Arctic Region by non-Arctic nations; and

7 (E) to facilitate the development of Arctic
8 Region Security Action Plans to ensure stability
9 and public safety in disaster situations in a hu-
10 mane and responsible fashion; and

11 (6) to evaluate the vulnerability, security, sur-
12 vivability, and resiliency of United States interests
13 and non-defense assets in the Arctic Region.

14 **PART VII—OCEANIA**

15 **SEC. 3291. STATEMENT OF POLICY ON UNITED STATES EN-**
16 **GAGEMENT IN OCEANIA.**

17 *It shall be the policy of the United States—*

18 (1) to elevate the countries of Oceania as a stra-
19 tegic national security and economic priority of the
20 United States Government;

21 (2) to promote civil society, the rule of law, and
22 democratic governance across Oceania as part of a
23 free and open Indo-Pacific region;

24 (3) to broaden and deepen relationships with the
25 Freely Associated States of the Republic of Palau, the

1 *Republic of the Marshall Islands, and the Federated*
2 *States of Micronesia through robust defense, diplo-*
3 *matic, economic, and development exchanges that pro-*
4 *mote the goals of individual states and the entire re-*
5 *gion;*

6 *(4) to work with the governments of Australia,*
7 *New Zealand, and Japan to advance shared alliance*
8 *goals of the Oceania region concerning health, envi-*
9 *ronmental protection, disaster resilience and pre-*
10 *paredness, illegal, unreported and unregulated fish-*
11 *ing, maritime security, and economic development;*

12 *(5) to participate, wherever possible and appro-*
13 *priate, in existing regional organizations and inter-*
14 *national structures to promote the national security*
15 *and economic goals of the United States and countries*
16 *of the Oceania region;*

17 *(6) to invest in a whole-of-government United*
18 *States strategy that will enhance youth engagement*
19 *and advance long-term growth and development*
20 *throughout the region, especially as it relates to pro-*
21 *tecting marine resources that are critical to liveli-*
22 *hoods and strengthening the resilience of the countries*
23 *of the Oceania region against current and future*
24 *threats resulting from extreme weather and severe*
25 *changes in the environment;*

1 (7) to deter and combat acts of malign foreign
2 influence and corruption aimed at undermining the
3 political, environmental, social, and economic sta-
4 bility of the people and governments of the countries
5 of Oceania;

6 (8) to improve the local capacity of the countries
7 of Oceania to address public health challenges and
8 improve global health security;

9 (9) to help the countries of Oceania access mar-
10 ket-based private sector investments that adhere to
11 best practices regarding transparency, debt sustain-
12 ability, and environmental and social safeguards as
13 an alternative to state-directed investments by author-
14 itarian governments;

15 (10) to ensure the people and communities of
16 Oceania remain safe from the risks of old and degrad-
17 ing munitions hazards and other debris that threaten
18 health and livelihoods;

19 (11) to cooperate with Taiwan by offering
20 United States support for maintaining Taiwan's dip-
21 lomatic partners in Oceania; and

22 (12) to work cooperatively with all governments
23 in Oceania to promote the dignified return of the re-
24 mains of members of the United States Armed Forces

1 *that are missing in action from previous conflicts in*
2 *the Indo-Pacific region.*

3 **SEC. 3292. OCEANIA STRATEGIC ROADMAP.**

4 *(a) OCEANIA STRATEGIC ROADMAP.—Not later than*
5 *180 days after the date of the enactment of this Act, the*
6 *Secretary of State shall submit to the appropriate congres-*
7 *sional committees a strategic roadmap for strengthening*
8 *United States engagement with the countries of Oceania,*
9 *including an analysis of opportunities to cooperate with*
10 *Australia, New Zealand, and Japan, to address shared con-*
11 *cerns and promote shared goals in pursuit of security and*
12 *resiliency in the countries of Oceania.*

13 *(b) ELEMENTS.—The strategic roadmap required by*
14 *subsection (a) shall include the following:*

15 *(1) A description of United States regional goals*
16 *and concerns with respect to Oceania and increasing*
17 *engagement with the countries of Oceania.*

18 *(2) An assessment, based on paragraph (1), of*
19 *United States regional goals and concerns that are*
20 *shared by Australia, New Zealand, and Japan, in-*
21 *cluding a review of issues related to anticorruption,*
22 *maritime and other security issues, environmental*
23 *protection, fisheries management, economic growth*
24 *and development, and disaster resilience and pre-*
25 *paredness.*

1 (3) *A review of ongoing programs and initiatives*
2 *by the governments of the United States, Australia,*
3 *New Zealand, and Japan in pursuit of those shared*
4 *regional goals and concerns, including with respect to*
5 *the issues described in paragraph (1).*

6 (4) *A review of ongoing programs and initiatives*
7 *by regional organizations and other related intergov-*
8 *ernmental structures aimed at addressing the issues*
9 *described in paragraph (1).*

10 (5) *A plan for aligning United States programs*
11 *and resources in pursuit of those shared regional*
12 *goals and concerns, as appropriate.*

13 (6) *Recommendations for additional United*
14 *States authorities, personnel, programs, or resources*
15 *necessary to execute the strategic roadmap.*

16 (7) *Any other elements the Secretary considers*
17 *appropriate.*

18 **SEC. 3293. REVIEW OF USAID PROGRAMMING IN OCEANIA.**

19 (a) *IN GENERAL.*—*The Secretary of State, in coordi-*
20 *nation with the Administrator of the United States Agency*
21 *for International Development (in this section referred to*
22 *as “USAID”), should include the Indo-Pacific countries of*
23 *Oceania in existing strategic planning and multi-sector*
24 *program evaluation processes, including the Department of*
25 *State’s Integrated Country Strategies and USAID’s Coun-*

1 *try Development Cooperation Strategies, the Joint Strategic*
2 *Plan, and the Journey to Self-Reliance Country Roadmaps.*

3 (b) *PROGRAMMATIC CONSIDERATIONS.—Evaluations*
4 *and considerations for Indo-Pacific countries of Oceania in*
5 *the program planning and strategic development processes*
6 *under subsection (a) should include—*

7 (1) *descriptions of the diplomatic and develop-*
8 *ment challenges of the Indo-Pacific countries of Oce-*
9 *ania as those challenges relate to the strategic, eco-*
10 *nomi, and humanitarian interests of the United*
11 *States;*

12 (2) *reviews of existing Department of State and*
13 *USAID programs to address the diplomatic and de-*
14 *velopment challenges of those countries evaluated*
15 *under paragraph (1);*

16 (3) *descriptions of the barriers, if any, to in-*
17 *creasing Department of State and USAID program-*
18 *ming to Indo-Pacific countries of Oceania, includ-*
19 *ing—*

20 (A) *the relative income level of the Indo-Pa-*
21 *cific countries of Oceania relative to other re-*
22 *gions where there is high demand for United*
23 *States foreign assistance to support development*
24 *needs;*

1 (B) the relative capacity of the Indo-Pacific
2 countries of Oceania to absorb United States for-
3 eign assistance for diplomatic and development
4 needs through partner governments and civil so-
5 ciety institutions; and

6 (C) any other factor that the Secretary or
7 Administrator determines may constitute a bar-
8 rier to deploying or increasing United States
9 foreign assistance to the Indo-Pacific countries of
10 Oceania;

11 (4) assessments of the presence of, degree of inter-
12 national development by, partner country indebted-
13 ness to, and political influence of malign foreign gov-
14 ernments, such as the Government of the People's Re-
15 public of China, and non-state actors;

16 (5) assessments of new foreign economic assist-
17 ance modalities that could assist in strengthening
18 United States foreign assistance in the Indo-Pacific
19 countries of Oceania, including the deployment of
20 technical assistance and asset recovery tools to part-
21 ner governments and civil society institutions to help
22 develop the capacity and expertise necessary to
23 achieve self-sufficiency;

24 (6) an evaluation of the existing budget and re-
25 source management processes for the Department of

1 *State’s and USAID’s mission and work with respect*
2 *to its programming in the Indo-Pacific countries of*
3 *Oceania;*

4 *(7) an explanation of how the Secretary and the*
5 *Administrator will use existing programming proc-*
6 *esses, including those with respect to development of*
7 *an Integrated Country Strategy, Country Develop-*
8 *ment Cooperation Strategy, the Joint Strategic Plan,*
9 *and the Journey to Self-Reliance Country Roadmaps,*
10 *to advance the long-term growth, governance, eco-*
11 *nomical development, and resilience of the Indo-Pacific*
12 *countries of Oceania; and*

13 *(8) any recommendations about appropriate*
14 *budgetary, resource management, and programmatic*
15 *changes necessary to assist in strengthening United*
16 *States foreign assistance programming in the Indo-*
17 *Pacific countries of Oceania.*

18 **SEC. 3294. OCEANIA SECURITY DIALOGUE.**

19 *(a) IN GENERAL.—Not later than one year after the*
20 *date of the enactment of this Act, the Secretary of State*
21 *shall brief the appropriate committees of Congress on the*
22 *feasibility and advisability of establishing a United States-*
23 *based public-private sponsored security dialogue (to be*
24 *known as the “Oceania Security Dialogue”) among the*
25 *countries of Oceania for the purposes of jointly exploring*

1 *and discussing issues affecting the economic, diplomatic,*
2 *and national security of the Indo-Pacific countries of Oce-*
3 *ania.*

4 (b) *REPORT REQUIRED.*—*The briefing required by*
5 *subsection (a) shall, at a minimum, include the following:*

6 (1) *A review of the ability of the Department of*
7 *State to participate in a public-private sponsored se-*
8 *curity dialogue.*

9 (2) *An assessment of the potential locations for*
10 *conducting an Oceania Security Dialogue in the ju-*
11 *risdiction of the United States.*

12 (3) *Consideration of dates for conducting an*
13 *Oceania Security Dialogue that would maximize par-*
14 *ticipation of representatives from the Indo-Pacific*
15 *countries of Oceania.*

16 (4) *A review of the funding modalities available*
17 *to the Department of State to help finance an Oce-*
18 *ania Security Dialogue, including grant-making au-*
19 *thorities available to the Department of State.*

20 (5) *An assessment of any administrative, statu-*
21 *tory, or other legal limitations that would prevent the*
22 *establishment of an Oceania Security Dialogue with*
23 *participation and support of the Department of State*
24 *as described in subsection (a).*

1 (6) *An analysis of how an Oceania Security*
2 *Dialogue could help to advance the Boe Declaration*
3 *on Regional Security, including its emphasis on the*
4 *changing environment as the greatest existential*
5 *threat to countries of Oceania.*

6 (7) *An evaluation of how an Oceania Security*
7 *Dialogue could help amplify the issues and work of*
8 *existing regional structures and organizations dedi-*
9 *cated to the security of the Oceania region, such as*
10 *the Pacific Island Forum and Pacific Environmental*
11 *Security Forum.*

12 (8) *An analysis of how an Oceania Security*
13 *Dialogue would help with implementation of the stra-*
14 *tegic roadmap required by section 292 and advance*
15 *the National Security Strategy of the United States.*

16 (c) *INTERAGENCY CONSULTATION.—To the extent*
17 *practicable, the Secretary of State may consult with the*
18 *Secretary of Defense and, where appropriate, evaluate the*
19 *lessons learned of the Regional Centers for Security Studies*
20 *of the Department of Defense to determine the feasibility*
21 *and advisability of establishing the Oceania Security Dia-*
22 *logue.*

1 **SEC. 3295. REPORT ON COUNTERING ILLEGAL, UNRE-**
2 **PORTED, AND UNREGULATED FISHING IN**
3 **OCEANIA.**

4 (a) *SENSE OF CONGRESS.*—*It is the sense of Congress*
5 *that—*

6 (1) *many countries of the Oceania region depend*
7 *on commercial tuna fisheries as a critical component*
8 *of their economies;*

9 (2) *the Government of the People’s Republic of*
10 *China has used its licensed fishing fleet to exert great-*
11 *er influence in Oceania, but at the same time, its li-*
12 *icensed fishing fleet is also a major contributor to ille-*
13 *gal, unreported, and unregulated fishing (in this sec-*
14 *tion referred to as “IUU fishing”) activities;*

15 (3) *the sustainability of Oceania’s fisheries is*
16 *threatened by IUU fishing, which depletes both com-*
17 *mercially important fish stocks and non-targeted spe-*
18 *cies that help maintain the integrity of the ocean eco-*
19 *system;*

20 (4) *in addition, IUU fishing puts pressure on*
21 *protected species of marine mammals, sea turtles, and*
22 *sea birds, which also jeopardizes the integrity of the*
23 *ocean ecosystem;*

24 (5) *further, because IUU fishing goes unrecorded,*
25 *the loss of biomass compromises scientists’ work to as-*

1 *sess and model fishery stocks and advise managers on*
2 *sustainable catch levels;*

3 *(6) beyond the damage to living marine re-*
4 *sources, IUU fishing also contributes directly to ille-*
5 *gal activity in the Oceania region, such as food fraud,*
6 *smuggling, and human trafficking;*

7 *(7) current approaches to IUU fishing enforce-*
8 *ment rely on established methods, such as vessel moni-*
9 *toring systems, logbooks maintained by government*
10 *fisheries enforcement authorities to record the catches*
11 *landed by fishing vessels, and corroborating data on*
12 *catches hand-collected by human observer programs;*

13 *(8) such established methods are imperfect be-*
14 *cause—*

15 *(A) vessels can turn off monitoring systems*
16 *and unlicensed vessels do not use them; and*

17 *(B) observer coverage is thin and subject to*
18 *human error and corruption;*

19 *(9) maritime domain awareness technology solu-*
20 *tions for vessel monitoring have gained credibility in*
21 *recent years and include systems such as observing*
22 *instruments deployed on satellites, crewed and*
23 *uncrewed air and surface systems, aircraft, and sur-*
24 *face vessels, as well as electronic monitoring systems*
25 *on fishing vessels;*

1 (10) *maritime domain awareness technologies*
2 *hold the promise of significantly augmenting the cur-*
3 *rent IUU fishing enforcement capacities; and*

4 (11) *maritime domain awareness technologies*
5 *offer an avenue for addressing key United States na-*
6 *tional interests, including those interests related to—*

7 (A) *increasing bilateral diplomatic ties with*
8 *key allies and partners in the Oceania region;*

9 (B) *countering illicit trafficking in arms,*
10 *narcotics, and human beings associated with*
11 *IUU fishing;*

12 (C) *advancing security, long-term growth,*
13 *and development in the Oceania region;*

14 (D) *supporting ocean conservation objec-*
15 *tives;*

16 (E) *reducing food insecurity; and*

17 (F) *countering attempts by the Government*
18 *of the People’s Republic of China to grow its in-*
19 *fluence in the Oceania region.*

20 (b) *REPORT REQUIRED.—*

21 (1) *IN GENERAL.—Not later than 180 days after*
22 *the date of the enactment of this Act, the Secretary of*
23 *State, in consultation with the Administrator of the*
24 *National Oceanic and Atmospheric Administration,*
25 *the Commandant of the Coast Guard, and the Sec-*

1 *retary of Defense, shall submit to the appropriate con-*
2 *gressional committees a report assessing the use of ad-*
3 *vanced maritime domain awareness technology sys-*
4 *tems to combat IUU fishing in Oceania.*

5 (2) *ELEMENTS.*—*The report required by para-*
6 *graph (1) shall include—*

7 (A) *a review of the effectiveness of existing*
8 *monitoring technologies, including electronic*
9 *monitoring systems, to combat IUU fishing;*

10 (B) *recommendations for effectively inte-*
11 *grating effective monitoring technologies into a*
12 *Oceania-wide strategy for IUU fishing enforce-*
13 *ment;*

14 (C) *an assessment and recommendations for*
15 *the secure and reliable processing of data from*
16 *such monitoring technologies, including the secu-*
17 *rity and verification issues;*

18 (D) *the technical and financial capacity of*
19 *countries of the Oceania region to deploy and*
20 *maintain large-scale use of maritime domain*
21 *awareness technological systems for the purposes*
22 *of combating IUU fishing and supporting fish-*
23 *eries resource management;*

24 (E) *a review of the technical and financial*
25 *capacity of regional organizations and inter-*

1 *national structures to support countries of the*
2 *Oceania region in the deployment and mainte-*
3 *nance of large-scale use of maritime domain*
4 *awareness technology systems for the purposes of*
5 *combating IUU fishing and supporting fisheries*
6 *resource management;*

7 *(F) an evaluation of the utility of using for-*
8 *foreign assistance, security assistance, and develop-*
9 *ment assistance provided by the United States to*
10 *countries of the Oceania region to support the*
11 *large-scale deployment and operations of mari-*
12 *time domain awareness systems to increase mar-*
13 *itime security across the region; and*

14 *(G) an assessment of the role of large-scale*
15 *deployment and operations of maritime domain*
16 *awareness systems throughout Oceania to sup-*
17 *porting United States economic and national se-*
18 *curity interests in the Oceania region, including*
19 *efforts related to countering IUU fishing, im-*
20 *proving maritime security, and countering ma-*
21 *lign foreign influence.*

22 **SEC. 3296. OCEANIA PEACE CORPS PARTNERSHIPS.**

23 *(a) IN GENERAL.—Not later than one year after the*
24 *date of the enactment of this Act, the Director of the Peace*
25 *Corps shall submit to Congress a report on strategies to rea-*

1 *sonably and safely expand the number of Peace Corps vol-*
2 *unteers in Oceania, with the goals of—*

3 *(1) expanding the presence of the Peace Corps to*
4 *all currently feasible locations in Oceania; and*

5 *(2) working with regional and international*
6 *partners of the United States to expand the presence*
7 *of Peace Corps volunteers in low-income Oceania*
8 *communities in support of climate resilience initia-*
9 *tives.*

10 *(b) ELEMENTS.—The report required by subsection (a)*
11 *shall—*

12 *(1) assess the factors contributing to the current*
13 *absence of the Peace Corps and its volunteers in Oce-*
14 *ania;*

15 *(2) examine potential remedies that include*
16 *working with United States Government agencies and*
17 *regional governments, including governments of*
18 *United States allies—*

19 *(A) to increase the health infrastructure and*
20 *medical evacuation capabilities of the countries*
21 *of Oceania to better support the safety of Peace*
22 *Corps volunteers while in those countries;*

23 *(B) to address physical safety concerns that*
24 *have decreased the ability of the Peace Corps to*
25 *operate in Oceania; and*

1 (C) to increase transportation infrastruc-
2 ture in the countries of Oceania to better support
3 the travel of Peace Corps volunteers and their ac-
4 cess to necessary facilities;

5 (3) evaluate the potential to expand the deploy-
6 ment of Peace Corps Response volunteers to help the
7 countries of Oceania address social, economic, and de-
8 velopment needs of their communities that require
9 specific professional expertise; and

10 (4) explore potential new operational models to
11 address safety and security needs of Peace Corps vol-
12 unteers in the countries of Oceania, including—

13 (A) changes to volunteer deployment dura-
14 tions; and

15 (B) scheduled redeployment of volunteers to
16 regional or United States-based healthcare facili-
17 ties for routine physical and behavioral health
18 evaluation.

19 (c) *VOLUNTEERS IN LOW-INCOME OCEANIA COMMU-*
20 *NITIES.*—

21 (1) *IN GENERAL.*—*In examining the potential to*
22 *expand the presence of Peace Corps volunteers in low-*
23 *income Oceania communities under subsection (a)(2),*
24 *the Director of the Peace Corps shall consider the de-*
25 *velopment of initiatives described in paragraph (2).*

1 (2) *INITIATIVES DESCRIBED.*—*Initiatives de-*
2 *scribed in this paragraph are volunteer initiatives*
3 *that help the countries of Oceania address social, eco-*
4 *nomi, and development needs of their communities,*
5 *including by—*

6 (A) *addressing, through appropriate resil-*
7 *ience-based interventions, the vulnerability that*
8 *communities in Oceania face as result of extreme*
9 *weather, severe environmental change, and other*
10 *climate related trends; and*

11 (B) *improving, through smart infrastruc-*
12 *ture principles, access to transportation and*
13 *connectivity infrastructure that will help address*
14 *the economic and social challenges that commu-*
15 *nities in Oceania confront as a result of poor or*
16 *nonexistent infrastructure.*

17 (d) *OCEANIA DEFINED.*—*In this section, the term*
18 *“Oceania” includes the following:*

19 (1) *Easter Island of Chile.*

20 (2) *Fiji.*

21 (3) *French Polynesia of France.*

22 (4) *Kiribati.*

23 (5) *New Caledonia of France.*

24 (6) *Nieu of New Zealand.*

25 (7) *Papua New Guinea.*

1 (8) *Samoa.*

2 (9) *Vanuatu.*

3 (10) *The Ashmore and Cartier Islands of Aus-*
4 *tralia.*

5 (11) *The Cook Islands of New Zealand.*

6 (12) *The Coral Islands of Australia.*

7 (13) *The Federated States of Micronesia.*

8 (14) *The Norfolk Island of Australia.*

9 (15) *The Pitcairn Islands of the United King-*
10 *dom.*

11 (16) *The Republic of the Marshal Islands.*

12 (17) *The Republic of Palau.*

13 (18) *The Solomon Islands.*

14 (19) *Tokelau of New Zealand.*

15 (20) *Tonga.*

16 (21) *Tuvalu.*

17 (22) *Wallis and Futuna of France.*

18 **TITLE III—INVESTING IN OUR**
19 **VALUES**

20 **SEC. 3301. AUTHORIZATION OF APPROPRIATIONS FOR PRO-**
21 **MOTION OF DEMOCRACY IN HONG KONG.**

22 (a) *AUTHORIZATION OF APPROPRIATIONS.—There is*
23 *authorized to be appropriated \$10,000,000 for fiscal year*
24 *2022 for the Bureau of Democracy, Human Rights, and*

1 *Labor of the Department of State to promote democracy in*
2 *Hong Kong.*

3 (b) *ADMINISTRATION.*—*The Secretary of State shall*
4 *designate an office within the Department of State to ad-*
5 *minister and coordinate the provision of such funds de-*
6 *scribed in subsection (a) within the Department of State*
7 *and across the United States Government.*

8 **SEC. 3302. IMPOSITION OF SANCTIONS RELATING TO**
9 **FORCED LABOR IN THE XINJIANG UYGHUR**
10 **AUTONOMOUS REGION.**

11 (a) *IN GENERAL.*—*Section 6(a)(1) of the Uyghur*
12 *Human Rights Policy Act of 2020 (Public Law 116–145;*
13 *22 U.S.C. 6901 note) is amended—*

14 (1) *by redesignating subparagraph (E) as sub-*
15 *paragraph (F); and*

16 (2) *by inserting after subparagraph (D) the fol-*
17 *lowing:*

18 “(E) *Serious human rights abuses in con-*
19 *nection with forced labor.”.*

20 (b) *EFFECTIVE DATE; APPLICABILITY.*—*The amend-*
21 *ment made by subsection (a)—*

22 (1) *takes effect on the date of the enactment of*
23 *this Act; and*

24 (2) *applies with respect to the first report re-*
25 *quired by section 6(a)(1) of the Uyghur Human*

1 *Rights Policy Act of 2020 submitted after such date*
2 *of enactment.*

3 **SEC. 3303. IMPOSITION OF SANCTIONS WITH RESPECT TO**
4 **SYSTEMATIC RAPE, COERCIVE ABORTION,**
5 **FORCED STERILIZATION, OR INVOLUNTARY**
6 **CONTRACEPTIVE IMPLANTATION IN THE**
7 **XINJIANG UYGHUR AUTONOMOUS REGION.**

8 (a) *IN GENERAL.*—Section 6(a)(1) of the Uyghur
9 Human Rights Policy Act of 2020 (Public Law 116–145;
10 22 U.S.C. 6901 note), as amended by section 302, is further
11 amended—

12 (1) *by redesignating subparagraphs (F) as sub-*
13 *paragraph (G); and*

14 (2) *by inserting after subparagraph (E) the fol-*
15 *lowing:*

16 “(F) *Systematic rape, coercive abortion,*
17 *forced sterilization, or involuntary contraceptive*
18 *implantation policies and practices.”.*

19 (b) *EFFECTIVE DATE; APPLICABILITY.*—*The amend-*
20 *ment made by subsection (a)—*

21 (1) *takes effect on the date of the enactment of*
22 *this Act; and*

23 (2) *applies with respect to the first report re-*
24 *quired by section 6(a)(1) of the Uyghur Human*

1 *Rights Policy Act of 2020 submitted after such date*
2 *of enactment.*

3 **SEC. 3304. REPORT ON CORRUPT ACTIVITIES OF SENIOR**
4 **OFFICIALS OF GOVERNMENT OF THE PEOP-**
5 **LE'S REPUBLIC OF CHINA.**

6 (a) *APPROPRIATE COMMITTEES OF CONGRESS DE-*
7 *FINED.*—*In this section, the term “appropriate committees*
8 *of Congress” means—*

9 (1) *the Committee on Foreign Relations, the*
10 *Committee on Banking, Housing, and Urban Affairs,*
11 *and the Select Committee on Intelligence of the Sen-*
12 *ate; and*

13 (2) *the Committee on Foreign Affairs, the Com-*
14 *mittee on Financial Services, and the Permanent Se-*
15 *lect Committee on Intelligence of the House of Rep-*
16 *resentatives.*

17 (b) *ANNUAL REPORT REQUIRED.*—

18 (1) *IN GENERAL.*—*Not later than 180 days after*
19 *the date of the enactment of this Act, and annually*
20 *thereafter through 2026, the Director of the Central*
21 *Intelligence Agency, in coordination with the Sec-*
22 *retary of State, the Secretary of Treasury, and any*
23 *other relevant United States Government official,*
24 *shall submit to the appropriate committees of Con-*
25 *gress a report on the corruption and corrupt activities*

1 *of senior officials of the Government of the People's*
2 *Republic of China.*

3 (2) *ELEMENTS.*—

4 (A) *IN GENERAL.*—*Each report under para-*
5 *graph (1) shall include the following elements:*

6 (i) *A description of the wealth and*
7 *sources of wealth of senior officials of the*
8 *Government of the People's Republic of*
9 *China.*

10 (ii) *A description of corrupt activities,*
11 *including activities taking place outside of*
12 *China, engaged in by senior officials of the*
13 *Government of the People's Republic of*
14 *China.*

15 (iii) *A description of any gaps in the*
16 *ability of the intelligence community to col-*
17 *lect information covered in clauses (i) and*
18 *(ii).*

19 (B) *SCOPE OF REPORTS.*—*The first report*
20 *under paragraph (1) shall include comprehensive*
21 *information on the matters described in subpara-*
22 *graph (A). Any succeeding report under para-*
23 *graph (1) may consist of an update or supple-*
24 *ment to the preceding report under that sub-*
25 *section.*

1 (3) *FORM.*—Each report under paragraph (1)
2 shall include an unclassified executive summary of
3 the elements described in clauses (i) and (ii) of para-
4 graph (2)(A), and may include a classified annex.

5 (c) *SENSE OF CONGRESS.*—It is the sense of Congress
6 that the United States should undertake every effort and
7 pursue every opportunity to expose the corruption and re-
8 lated practices of senior officials of the Government of the
9 People’s Republic of China, including President Xi
10 Jinping.

11 **SEC. 3305. REMOVAL OF MEMBERS OF THE UNITED NA-**
12 **TIONS HUMAN RIGHTS COUNCIL THAT COM-**
13 **MIT HUMAN RIGHTS ABUSES.**

14 *The President shall direct the Permanent Representa-*
15 *tive of the United States to the United Nations to use the*
16 *voice, vote, and influence of the United States to—*

17 (1) *reform the process for removing members of*
18 *the United Nations Human Rights Council that com-*
19 *mit gross and systemic violations of human rights,*
20 *including—*

21 (A) *lowering the threshold vote at the*
22 *United Nations General Assembly for removal to*
23 *a simple majority;*

1 (B) ensuring information detailing the
2 member country's human rights record is pub-
3 licly available before the vote on removal; and

4 (C) making the vote of each country on the
5 removal from the United Nations Human Rights
6 Council publicly available;

7 (2) reform the rules on electing members to the
8 United Nations Human Rights Council to ensure
9 United Nations members that have committed gross
10 and systemic violations of human rights are not elect-
11 ed to the Human Rights Council; and

12 (3) oppose the election to the Human Rights
13 Council of any United Nations member—

14 (A) currently designated as a country en-
15 gaged in a consistent pattern of gross violations
16 of internationally recognized human rights pur-
17 suant to section 116 or section 502B of the For-
18 eign Assistance Act of 1961 (22 U.S.C. 2151n,
19 2304);

20 (B) currently designated as a state sponsor
21 of terrorism;

22 (C) currently designated as a Tier 3 coun-
23 try under the Trafficking Victims Protection Act
24 of 2000 (22 U.S.C. 7101 et seq.);

1 (D) the government of which is identified on
 2 the list published by the Secretary of State pur-
 3 suant to section 404(b) of the Child Soldiers Pre-
 4 vention Act of 2008 (22 U.S.C. 2370c–1(b)) as a
 5 government that recruits and uses child soldiers;
 6 or

7 (E) the government of which the United
 8 States determines to have committed genocide or
 9 crimes against humanity.

10 **SEC. 3306. POLICY WITH RESPECT TO TIBET.**

11 (a) *RANK OF UNITED STATES SPECIAL COORDINATOR*
 12 *FOR TIBETAN ISSUES.*—Section 621 of the Tibetan Policy
 13 Act of 2002 (22 U.S.C. 6901 note) is amended—

14 (1) by redesignating subsections (b), (c), and (d),
 15 as subsections (c), (d), and (e), respectively; and

16 (2) by inserting after subsection (a) the fol-
 17 lowing:

18 “(b) *RANK.*—The Special Coordinator shall either be
 19 appointed by the President, with the advice and consent of
 20 the Senate, or shall be an individual holding the rank of
 21 Under Secretary of State or higher.”.

22 (b) *TIBET UNIT AT UNITED STATES EMBASSY IN BEI-*
 23 *JING.*—

24 (1) *IN GENERAL.*—The Secretary of State shall
 25 establish a Tibet Unit in the Political Section of the

1 *United States Embassy in Beijing, People's Republic*
2 *of China.*

3 (2) *OPERATION.—The Tibet Unit established*
4 *under paragraph (1) shall operate until such time as*
5 *the Government of the People's Republic of China per-*
6 *mits—*

7 (A) *the United States Consulate General in*
8 *Chengdu, People's Republic of China, to reopen;*
9 *or*

10 (B) *a United States Consulate General in*
11 *Lhasa, Tibet, to open.*

12 (3) *STAFF.—*

13 (A) *IN GENERAL.—The Secretary shall—*

14 (i) *assign not fewer than 2 United*
15 *States direct-hire personnel to the Tibet*
16 *Unit established under paragraph (1); and*

17 (ii) *hire not fewer than 1 locally en-*
18 *gaged staff member for such unit.*

19 (B) *LANGUAGE TRAINING.—The Secretary*
20 *shall make Tibetan language training available*
21 *to the personnel assigned under subparagraph*
22 *(A), consistent with the Tibetan Policy Act of*
23 *2002 (22 U.S.C. 6901 note).*

1 **SEC. 3307. UNITED STATES POLICY AND INTERNATIONAL**
2 **ENGAGEMENT ON THE SUCCESSION OR REIN-**
3 **CARNATION OF THE DALAI LAMA AND RELI-**
4 **GIOUS FREEDOM OF TIBETAN BUDDHISTS.**

5 (a) *REAFFIRMATION OF POLICY.*—*It is the policy of*
6 *the United States, as provided under section 342(b) of divi-*
7 *sion FF of the Consolidated Appropriations Act, 2021 (Pub-*
8 *lic Law 116–260), that any “interference by the Govern-*
9 *ment of the People’s Republic of China or any other govern-*
10 *ment in the process of recognizing a successor or reincarna-*
11 *tion of the 14th Dalai Lama and any future Dalai Lamas*
12 *would represent a clear abuse of the right to religious free-*
13 *dom of Tibetan Buddhists and the Tibetan people”.*

14 (b) *INTERNATIONAL EFFORTS TO PROTECT RELIGIOUS*
15 *FREEDOM OF TIBETAN BUDDHISTS.*—*The Secretary of*
16 *State should engage with United States allies and partners*
17 *to—*

18 (1) *support Tibetan Buddhist religious leaders’*
19 *sole religious authority to identify and install the*
20 *15th Dalai Lama;*

21 (2) *oppose claims by the Government of the Peo-*
22 *ple’s Republic of China that the PRC has the author-*
23 *ity to decide for Tibetan Buddhists the 15th Dalai*
24 *Lama; and*

1 (3) *reject interference by the Government of the*
2 *People’s Republic of China in the religious freedom of*
3 *Tibetan Buddhists.*

4 **SEC. 3308. SENSE OF CONGRESS ON TREATMENT OF**
5 **UYGHURS AND OTHER ETHNIC MINORITIES**
6 **IN THE XINJIANG UYGHUR AUTONOMOUS RE-**
7 **GION.**

8 (a) *FINDINGS.—Congress makes the following findings:*

9 (1) *The Uyghurs are one of several predomi-*
10 *nantly Muslim Turkic groups living in the Xinjiang*
11 *Uyghur Autonomous Region (XUAR) in the north-*
12 *west of the People’s Republic of China (PRC).*

13 (2) *Following Uyghur demonstrations and unrest*
14 *in 2009 and clashes with government security per-*
15 *sonnel and other violent incidents in subsequent*
16 *years, PRC leaders sought to “stabilize” the XUAR*
17 *through large-scale arrests and extreme security meas-*
18 *ures, under the pretext of combatting alleged ter-*
19 *rorism, religious extremism, and ethnic separatism.*

20 (3) *In May 2014, the PRC launched its “Strike*
21 *Hard Against Violent Extremism” campaign, which*
22 *placed further restrictions on and facilitated addi-*
23 *tional human rights violations against minorities in*
24 *the XUAR under the pretext of fighting terrorism.*

1 (4) *In August 2016, Chinese Communist Party*
2 *(CCP) Politburo member Chen Quanguo, former Tibet*
3 *Autonomous Region (TAR) Party Secretary, known*
4 *for overseeing intensifying security operations and*
5 *human rights abuses in the TAR, was appointed as*
6 *Party Secretary of the XUAR.*

7 (5) *Beginning in 2017, XUAR authorities have*
8 *sought to forcibly “assimilate” Uyghurs and other*
9 *Turkic minorities into Chinese society through a pol-*
10 *icy of cultural erasure known as “Sinicization”.*

11 (6) *Since 2018, credible reporting including from*
12 *the BBC, France24, and the New York Times has*
13 *shown that the Government of the PRC has built mass*
14 *internment camps in the XUAR, which it calls “voca-*
15 *tional training” centers, and detained Uyghurs and*
16 *other groups in them and other facilities.*

17 (7) *Since 2015, XUAR authorities have arbi-*
18 *trarily detained an estimated 1,500,000 Uyghurs—*
19 *12.5 percent of the XUAR’s official Uyghur popu-*
20 *lation of 12,000,000—and a smaller number of other*
21 *ethnic minorities in the “vocational training” centers*
22 *and other detention and pre-detention facilities.*

23 (8) *In 2017, the XUAR accounted for less than*
24 *two percent of the PRC’s total population but 21 per-*
25 *cent of all arrests in China.*

1 (9) *The Atlantic, Radio Free Asia, and other*
2 *sources have revealed that detainees are forced to re-*
3 *nounce many of their Islamic beliefs and customs and*
4 *repudiate Uyghur culture, language, and identity.*

5 (10) *Investigations by Human Rights Watch and*
6 *other human rights organizations have documented*
7 *how detainees are subject to political indoctrination,*
8 *forced labor, crowded and unsanitary conditions, in-*
9 *voluntary biometric data collection, both medical ne-*
10 *glect and intrusive medical interventions, food and*
11 *water deprivation, beatings, sexual violence, and tor-*
12 *ture.*

13 (11) *Research by the Australian Strategic Policy*
14 *Institute suggests that, since late 2019, many detain-*
15 *ees have been placed in higher security facilities and*
16 *convicted of formal crimes.*

17 (12) *Human Rights Watch has reported that the*
18 *PRC uses data collection programs, including facial*
19 *recognition technology, to surveil Uyghurs in the*
20 *XUAR and to identify individuals whom authorities*
21 *may detain.*

22 (13) *PRC authorities have placed countless chil-*
23 *dren whose parents are detained or in exile in state-*
24 *run institutions and boarding schools without the*
25 *consent of their parents.*

1 (14) *New York Times* reporting revealed that nu-
2 merous local PRC officials who did not agree with the
3 policies carried out in XUAR have been fired and im-
4 prisoned.

5 (15) *Associated Press* reporting documented
6 widespread and systemic efforts by PRC authorities
7 to force Uyghur women to take contraceptives or to
8 subject them to sterilization or abortion, threatening
9 to detain those who do not comply.

10 (16) PRC authorities prohibit family members
11 and advocates inside and outside China from having
12 regular communications with relatives and friends
13 imprisoned in the XUAR, such as journalist and en-
14 trepreneur Ekpar Asat.

15 (17) PRC authorities have imposed pervasive re-
16 strictions on the peaceful practice of Islam in the
17 XUAR, to the extent that Human Rights Watch as-
18 serts the PRC “has effectively outlawed the practice of
19 Islam”.

20 (18) Individuals who are not detained in camps
21 have been forced to attend political indoctrination ses-
22 sions, subjected to movement restrictions, mass sur-
23 veillance systems, involuntary biometric data collec-
24 tion, and other human rights abuses.

1 (19) *International media, nongovernmental or-*
2 *ganizations, scholars, families, and survivors have re-*
3 *ported on the systemic nature of many of these abuses.*

4 (20) *On June 26, 2020, a group of 50 inde-*
5 *pendent United Nations experts jointly expressed*
6 *alarm over China’s deteriorating human rights*
7 *record, including its repression in Xinjiang, and*
8 *called on the international community “to act collec-*
9 *tively and decisively to ensure China respects human*
10 *rights and abides by its international obligations”.*

11 (21) *On October 6, 2020, 39 United Nations*
12 *member countries issued a public statement con-*
13 *demning human rights violations by PRC authorities*
14 *and calling on the PRC to allow the United Nations*
15 *High Commissioner for Human Rights unfettered ac-*
16 *cess to Xinjiang.*

17 (22) *The United States Congress passed the*
18 *Uyghur Human Rights Policy Act of 2020 (Public*
19 *Law 116–145).*

20 (23) *The United States Congress passed the Glob-*
21 *al Magnitsky Human Rights Accountability Act (sub-*
22 *title F of title XII of Public Law 114–328; 22 U.S.C.*
23 *2656 note), which has been used to sanction PRC offi-*
24 *cials and entities for their activities in the XUAR.*

1 (24) *The United States Government has imple-*
2 *mented additional targeted restrictions on trade with*
3 *Xinjiang and imposed visa and economic sanctions*
4 *on PRC officials and entities for their activities in*
5 *the XUAR.*

6 (25) *The United States Government has docu-*
7 *mented human rights abuses and violations of indi-*
8 *vidual freedoms in the XUAR, including in the 2019*
9 *Department of State Report on International Reli-*
10 *gious Freedom.*

11 (26) *On January 19, 2021, then-Secretary of*
12 *State Michael Pompeo “determined that the PRC,*
13 *under the direction and control of the CCP, has com-*
14 *mitted genocide against the predominantly Muslim*
15 *Uyghurs and other ethnic and religious minority*
16 *groups in Xinjiang”.*

17 (27) *On January 19, 2021, during his confirma-*
18 *tion hearing, Secretary of State Antony Blinken testi-*
19 *fied that “forcing men, women, and children into con-*
20 *centration camps, trying to in effect reeducate them*
21 *to be adherents to the Chinese Communist Party—all*
22 *of that speaks to an effort to commit genocide”.*

23 (28) *On January 19, 2021, Secretary of the*
24 *Treasury Janet L. Yellen, during her confirmation*

1 *hearing, publicly stated that China is guilty of “hor-*
2 *rendous human rights abuses”.*

3 *(29) On January 27, 2021, in response to a*
4 *question from the press regarding the Uyghurs, Sec-*
5 *retary Blinken stated that his “judgement remains*
6 *that genocide was committed against the Uyghurs”.*

7 *(30) On March 10, 2021, in response to a ques-*
8 *tion on Xinjiang during his testimony before the*
9 *Committee on Foreign Affairs of the House of Rep-*
10 *resentatives, Secretary Blinken reiterated, “We’ve*
11 *been clear, and I’ve been clear, that I see it as geno-*
12 *cide, other egregious abuses of human rights, and we’ll*
13 *continue to make that clear.”.*

14 *(31) The 2020 Department of State Country Re-*
15 *ports on Human Rights Practices: China states that*
16 *“[g]enocide and crimes against humanity occurred*
17 *during the year against the predominantly Muslim*
18 *Uyghurs and other ethnic and religious minority*
19 *groups in Xinjiang”.*

20 *(b) SENSE OF CONGRESS.—It is the sense of Congress*
21 *that—*

22 *(1) the atrocities committed by the CCP against*
23 *Uyghurs and other predominantly Muslim Turkic*
24 *groups in Xinjiang, including forced labor, sexual vi-*

1 *olence, the internment of over 1,000,000 individuals,*
2 *and other horrific abuses must be condemned;*

3 *(2) the President, the Secretary of State, and the*
4 *United States Ambassador to the United Nations*
5 *should speak publicly about the ongoing human rights*
6 *abuses in the XUAR, including in formal speeches at*
7 *the United Nations and other international fora;*

8 *(3) the President, the Secretary of State, and the*
9 *United States Ambassador to the United Nations*
10 *should appeal to the United Nations Secretary-Gen-*
11 *eral to take a more proactive and public stance on the*
12 *situation in the XUAR, including by supporting calls*
13 *for an investigation and accountability for individ-*
14 *uals and entities involved in abuses against the peo-*
15 *ple of the XUAR;*

16 *(4) the United States should continue to use tar-*
17 *geted sanctions and all diplomatic tools available to*
18 *hold those responsible for the atrocities in Xinjiang to*
19 *account;*

20 *(5) United States agencies engaged with China*
21 *on trade, climate, defense, or other bilateral issues*
22 *should include human rights abuses in the XUAR as*
23 *a consideration in developing United States policy;*

24 *(6) the United States supports Radio Free Asia*
25 *Uyghur, the only Uyghur-language news service in*

1 *the world independent of Chinese government influ-*
2 *ence; and*

3 *(7) the United States recognizes the repeated re-*
4 *quests from the United Nations High Commissioner*
5 *for Human Rights for unfettered access to the XUAR*
6 *and the PRC's refusal to comply, and therefore—*

7 *(A) PRC authorities must allow unfettered*
8 *access by the United Nations Office of the High*
9 *Commissioner for Human Rights to the XUAR;*

10 *(B) the United States should urge collabo-*
11 *rative action between the United States Govern-*
12 *ment and international partners to pressure*
13 *PRC authorities to allow unfettered access to the*
14 *XUAR;*

15 *(C) the President, the Secretary of State,*
16 *and the United States Ambassador to the United*
17 *Nations should simultaneously outline a strategy*
18 *to investigate the human rights abuses and*
19 *crimes that have taken place in the XUAR, col-*
20 *lect evidence, and transfer the evidence to a com-*
21 *petent court; and*

22 *(D) United States partners and allies*
23 *should undertake similar strategies in an effort*
24 *to build an international investigation outside of*

1 *the PRC if PRC authorities do not comply with*
2 *a United Nations investigation in the XUAR.*

3 **SEC. 3309. DEVELOPMENT AND DEPLOYMENT OF INTERNET**
4 **FREEDOM AND GREAT FIREWALL CIR-**
5 **CUMVENTION TOOLS FOR THE PEOPLE OF**
6 **HONG KONG.**

7 *(a) FINDINGS.—Congress makes the following findings:*

8 *(1) The People’s Republic of China has repeat-*
9 *edly violated its obligations under the Joint Declara-*
10 *tion by suppressing the basic rights and freedoms of*
11 *Hong Kongers.*

12 *(2) On June 30, 2020, the National People’s*
13 *Congress passed a “National Security Law” that fur-*
14 *ther erodes Hong Kong’s autonomy and enables au-*
15 *thorities to suppress dissent.*

16 *(3) The Government of the People’s Republic of*
17 *China continues to utilize the National Security Law*
18 *to undermine the fundamental rights of the people of*
19 *Hong Kong through suppression of the freedom of*
20 *speech, assembly, religion, and the press.*

21 *(4) Article 9 of the National Security Law au-*
22 *thorizes unprecedented regulation and supervision of*
23 *internet activity in Hong Kong, including expanded*
24 *police powers to force internet service providers to*

1 *cancel content, hand over user information, and block*
2 *access to platforms.*

3 (5) *On January 13, 2021, the Hong Kong*
4 *Broadband Network blocked public access to HK*
5 *Chronicles, a website promoting pro-democracy view-*
6 *points, under the authorities of the National Security*
7 *Law.*

8 (6) *On February 12, 2021, internet service pro-*
9 *viders blocked access to the Taiwan Transitional Jus-*
10 *tice Commission website in Hong Kong.*

11 (7) *Major tech companies including Facebook,*
12 *Twitter, WhatsApp and Google have stopped review-*
13 *ing requests for user data from Hong Kong authori-*
14 *ties.*

15 (8) *On February 28, 2021, 47 pro-democracy ac-*
16 *tivists in Hong Kong were arrested and charged*
17 *under the National Security Law on the charge of*
18 *“conspiracy to commit subversion”.*

19 (b) *SENSE OF CONGRESS.—It is the sense of Congress*
20 *that the United States should—*

21 (1) *support the ability of the people of Hong*
22 *Kong to maintain their freedom to access information*
23 *online; and*

24 (2) *focus on investments in technologies that fa-*
25 *cilitate the unhindered exchange of information in*

1 *Hong Kong in advance of any future efforts by the*
2 *Chinese Communist Party—*

3 *(A) to suppress internet access;*

4 *(B) to increase online censorship; or*

5 *(C) to inhibit online communication and*
6 *content-sharing by the people of Hong Kong.*

7 *(c) DEFINITIONS.—In this section:*

8 *(1) APPROPRIATE COMMITTEES OF CONGRESS.—*

9 *The term “appropriate committees of Congress”*
10 *means—*

11 *(A) the Committee on Foreign Relations of*
12 *the Senate;*

13 *(B) the Committee on Appropriations of the*
14 *Senate;*

15 *(C) the Select Committee on Intelligence of*
16 *the Senate;*

17 *(D) the Committee on Foreign Affairs of the*
18 *House of Representatives;*

19 *(E) the Committee on Appropriations of the*
20 *House of Representatives; and*

21 *(F) the Permanent Select Committee on In-*
22 *telligence of the House of Representatives.*

23 *(2) WORKING GROUP.—The term “working*
24 *group” means—*

1 (A) *the Under Secretary of State for Civil-*
2 *ian Security, Democracy, and Human Rights;*

3 (B) *the Assistant Secretary of State for*
4 *East Asian and Pacific Affairs;*

5 (C) *the Chief Executive Officer of the*
6 *United States Agency for Global Media and the*
7 *President of the Open Technology Fund; and*

8 (D) *the Administrator of the United States*
9 *Agency for International Development.*

10 (3) *JOINT DECLARATION.—The term “Joint Dec-*
11 *laration” means the Joint Declaration of the Govern-*
12 *ment of the United Kingdom of Great Britain and*
13 *Northern Ireland and the Government of the People’s*
14 *Republic of China on the Question of Hong Kong,*
15 *done at Beijing on December 19, 1984.*

16 (d) *HONG KONG INTERNET FREEDOM PROGRAM.—*

17 (1) *IN GENERAL.—The Secretary of State is au-*
18 *thorized to establish a working group to develop a*
19 *strategy to bolster internet resiliency and online ac-*
20 *cess in Hong Kong. The Secretary shall establish a*
21 *Hong Kong Internet Freedom Program in the Bureau*
22 *of Democracy, Human Rights, and Labor at the De-*
23 *partment of State. Additionally, the President of the*
24 *Technology Fund is authorized to establish a Hong*
25 *Kong Internet Freedom Program. These programs*

1 *shall operate independently, but in strategic coordina-*
2 *tion with other entities in the working group. The*
3 *Open Technology Fund shall remain independent*
4 *from Department of State direction in its implemen-*
5 *tation of this, and any other Internet Freedom Pro-*
6 *grams.*

7 (2) *INDEPENDENCE.—During the period begin-*
8 *ning on the date of the enactment of this Act and end-*
9 *ing on September 30, 2023, the Program shall be car-*
10 *ried out independent from the mainland China inter-*
11 *net freedom portfolios in order to focus on supporting*
12 *liberties presently enjoyed by the people of Hong*
13 *Kong.*

14 (3) *CONSOLIDATION OF DEPARTMENT OF STATE*
15 *PROGRAM.—Beginning on October 1, 2023, the Sec-*
16 *retary of State may—*

17 (A) *consolidate the Program with the main-*
18 *land China initiatives in the Bureau of Democ-*
19 *racy, Human Rights, and Labor; or*

20 (B) *continue to carry out the Program in*
21 *accordance with paragraph (2).*

22 (4) *CONSOLIDATION OF OPEN TECHNOLOGY FUND*
23 *PROGRAM.—Beginning on October 1, 2023, the Presi-*
24 *dent of the Open Technology Fund may—*

1 (A) consolidate the Program with the main-
2 land China initiatives in the Open Technology
3 Fund; or

4 (B) continue to carry out the Program in
5 accordance with paragraph (2).

6 (e) *SUPPORT FOR INTERNET FREEDOM TECHNOLOGY*
7 PROGRAMS.—

8 (1) *GRANTS AUTHORIZED.*—

9 (A) *IN GENERAL.*—The Secretary of State,
10 working through the Bureau of Democracy,
11 Human Rights, and Labor, and the Open Tech-
12 nology Fund, separately and independently from
13 the Secretary of State, are authorized to award
14 grants and contracts to private organizations to
15 support and develop programs in Hong Kong
16 that promote or expand—

17 (i) open, interoperable, reliable and se-
18 cure internet; and

19 (ii) the online exercise of human rights
20 and fundamental freedoms of individual
21 citizens, activists, human rights defenders,
22 independent journalists, civil society orga-
23 nizations, and marginalized populations in
24 Hong Kong.

1 (B) GOALS.—*The goals of the programs de-*
2 *veloped with grants authorized under subpara-*
3 *graph (A) should be—*

4 (i) *to make the internet available in*
5 *Hong Kong;*

6 (ii) *to increase the number of the tools*
7 *in the technology portfolio;*

8 (iii) *to promote the availability of such*
9 *technologies and tools in Hong Kong;*

10 (iv) *to encourage the adoption of such*
11 *technologies and tools by the people of Hong*
12 *Kong;*

13 (v) *to scale up the distribution of such*
14 *technologies and tools throughout Hong*
15 *Kong;*

16 (vi) *to prioritize the development of*
17 *tools, components, code, and technologies*
18 *that are fully open-source, to the extent*
19 *practicable;*

20 (vii) *to conduct research on repressive*
21 *tactics that undermine internet freedom in*
22 *Hong Kong;*

23 (viii) *to ensure digital safety guidance*
24 *and support is available to repressed indi-*
25 *vidual citizens, human rights defenders,*

1 *independent journalists, civil society orga-*
2 *nizations and marginalized populations in*
3 *Hong Kong; and*

4 *(ix) to engage American private indus-*
5 *try, including e-commerce firms and social*
6 *networking companies, on the importance of*
7 *preserving internet access in Hong Kong.*

8 (C) *GRANT RECIPIENTS.*—*Grants author-*
9 *ized under this paragraph shall be distributed to*
10 *multiple vendors and suppliers through an open,*
11 *fair, competitive, and evidence-based decision*
12 *process—*

13 *(i) to diversify the technical base; and*

14 *(ii) to reduce the risk of misuse by bad*
15 *actors.*

16 (D) *SECURITY AUDITS.*—*New technologies*
17 *developed using grants from this paragraph shall*
18 *undergo comprehensive security audits to ensure*
19 *that such technologies are secure and have not*
20 *been compromised in a manner detrimental to*
21 *the interests of the United States or to individ-*
22 *uals or organizations benefitting from programs*
23 *supported by the Open Technology Fund.*

24 (2) *FUNDING SOURCE.*—*The Secretary of State is*
25 *authorized to expend funds from the Human Rights*

1 *and Democracy Fund of the Bureau of Democracy,*
2 *Human Rights, and Labor of the Department of State*
3 *during fiscal year 2020 for grants authorized under*
4 *paragraph (1) at any entity in the working group.*

5 (3) *AUTHORIZATION OF APPROPRIATIONS.—*

6 (A) *OPEN TECHNOLOGY FUND.—In addition*
7 *to the funds authorized to be expended pursuant*
8 *to paragraph (2), there are authorized to be ap-*
9 *propriated to the Open Technology Fund*
10 *\$5,000,000 for each of fiscal years 2022 and*
11 *2023 to carry out this subsection. This funding*
12 *is in addition to the funds authorized for the*
13 *Open Technology Fund through the National De-*
14 *fense Authorization Act for Fiscal Year 2021*
15 *(Public Law 116–92).*

16 (B) *BUREAU OF DEMOCRACY, HUMAN*
17 *RIGHTS, AND LABOR.—In addition to the funds*
18 *authorized to be expended pursuant to para-*
19 *graph (2), there are authorized to be appro-*
20 *priated to the Office of Internet Freedom Pro-*
21 *grams in the Bureau of Democracy, Human*
22 *Rights, and Labor of the Department of State*
23 *\$10,000,000 for each of fiscal years 2022 and*
24 *2023 to carry out this section.*

1 (C) *AVAILABILITY*.—Amounts appropriated
2 pursuant to subparagraphs (A) and (B) shall re-
3 main available until expended.

4 (f) *STRATEGIC PLANNING REPORT*.—Not later than
5 120 days after the date of the enactment of this Act, the
6 Secretary of State and the working group shall submit a
7 classified report to the appropriate committees of Congress
8 that—

9 (1) describes the Federal Government’s plan to
10 bolster and increase the availability of Great Firewall
11 circumvention and internet freedom technology in
12 Hong Kong during fiscal year 2022;

13 (2) outlines a plan for—

14 (A) supporting the preservation of an open,
15 interoperable, reliable, and secure internet in
16 Hong Kong;

17 (B) increasing the supply of the technology
18 referred to in paragraph (1);

19 (C) accelerating the dissemination of such
20 technology;

21 (D) promoting the availability of internet
22 freedom in Hong Kong;

23 (E) utilizing presently-available tools in the
24 existing relevant portfolios for further use in the
25 unique context of Hong Kong;

1 (F) expanding the portfolio of tools in order
2 to diversify and strengthen the effectiveness and
3 resiliency of the circumvention efforts;

4 (G) providing training for high-risk groups
5 and individuals in Hong Kong; and

6 (H) detecting analyzing, and responding to
7 new and evolving censorship threats;

8 (3) includes a detailed description of the tech-
9 nical and fiscal steps necessary to safely implement
10 the plans referred to in paragraphs (1) and (2), in-
11 cluding an analysis of the market conditions in Hong
12 Kong;

13 (4) describes the Federal Government's plans for
14 awarding grants to private organizations for the pur-
15 poses described in subsection (e)(1)(A);

16 (5) outlines the working group's consultations re-
17 garding the implementation of this section to ensure
18 that all Federal efforts are aligned and well coordi-
19 nated; and

20 (6) outlines the Department of State's strategy to
21 influence global internet legal standards at inter-
22 national organizations and multilateral fora.

1 **SEC. 3310. ENHANCING TRANSPARENCY ON INTER-**
2 **NATIONAL AGREEMENTS AND NON-BINDING**
3 **INSTRUMENTS.**

4 (a) *IN GENERAL.*—Section 112b of title 1, United
5 States Code, is amended—

6 (1) *in the section heading, by striking “trans-*
7 ***mission to Congress*” and inserting “trans-**
8 ***parency provisions*”;**

9 (2) *in subsection (a)—*

10 (A) *by striking “The Secretary” and all*
11 *that follows through “notice from the President.”;*
12 *and*

13 (B) *by striking “any international agree-*
14 *ment on behalf of the United States shall trans-*
15 *mit” and all that follows through the period at*
16 *the end and inserting the following: “any inter-*
17 *national agreement or qualifying non-binding*
18 *instrument on behalf of itself or the United*
19 *States shall—*

20 “(1) *provide to the Secretary the text of each*
21 *international agreement not later than 30 calendar*
22 *days after the date on which such agreement is*
23 *signed;*

24 “(2) *provide to the Secretary the text of each*
25 *qualifying non-binding instrument not later than 30*

1 *calendar days after the date of the written commu-*
2 *nication described in subsection (m)(3)(A)(ii); and*

3 *“(3) on an ongoing basis, provide any imple-*
4 *menting material to the Secretary for transmittal to*
5 *the appropriate congressional committees as needed to*
6 *satisfy the requirements described in subsection (c).”;*

7 *(3) by striking subsection (b);*

8 *(4) by redesignating subsections (a), (c), (d), (f),*
9 *and (g) as subsections (d), (g), (j), (k), and (l), respec-*
10 *tively;*

11 *(5) by inserting before subsection (d), as redesign-*
12 *ated by paragraph (4), the following:*

13 *“(a)(1) Not less frequently than once each month, the*
14 *Secretary, through the Legal Adviser of the Department of*
15 *State, shall provide to the appropriate congressional com-*
16 *mittees the following:*

17 *“(A)(i) A list of all international agreements*
18 *and qualifying non-binding instruments approved for*
19 *negotiation by the Secretary or another Department*
20 *of State officer at the Assistant Secretary level or*
21 *higher during the prior month.*

22 *“(ii) A description of the intended subject matter*
23 *and parties to or participants for each international*
24 *agreement and qualifying non-binding instrument*
25 *listed pursuant to clause (i).*

1 “(B)(i) A list of all international agreements and
2 qualifying non-binding instruments signed, concluded, or
3 otherwise finalized with a foreign party or participant dur-
4 ing the prior month.

5 “(ii) The text of all international agreements and
6 qualifying non-binding instruments described in clause (i).

7 “(iii) A description of the primary legal authority
8 that, in the view of the Secretary, provides authorization
9 for all international agreements and qualifying non-bind-
10 ing instruments provided under clause (ii) to become opera-
11 tive. If multiple authorities are relied upon, the Secretary
12 shall cite all such authorities and identify a primary au-
13 thority. All citations to a treaty or statute shall include
14 the specific article or section and subsection reference when-
15 ever available and, if not available, shall be as specific as
16 possible. If the primary authority relied upon is article II
17 of the Constitution of the United States, the Secretary shall
18 explain the basis for that reliance.

19 “(C)(i) A list of all international agreements that en-
20 tered into force and qualifying non-binding instruments
21 that became operative for the United States during the prior
22 month.

23 “(ii) The text of all international agreements and
24 qualifying non-binding instruments described in clause (i).

1 “(iii) A statement describing any new or amended
2 statutory or regulatory authority anticipated to be required
3 to fully implement each proposed international agreement
4 and qualifying non-binding instrument included in the list
5 described in clause (i).

6 “(iv) A statement of whether there were any opportuni-
7 ties for public comment on the international agreement or
8 qualifying non-binding instrument prior to the conclusion
9 of such agreement or instrument.

10 “(2) The Secretary may provide any of the informa-
11 tion or texts of international agreements and qualifying
12 non-binding instruments required under paragraph (1) in
13 classified form if providing such information in unclassi-
14 fied form could reasonably be expected to cause damage to
15 the foreign relations or foreign activities of the United
16 States.

17 “(3) In the case of a general authorization issued for
18 the negotiation or conclusion of a series of agreements of
19 the same general type, the requirements of this subsection
20 may be satisfied by the provision of—

21 “(A) a single notification containing all the in-
22 formation required by this subsection; and

23 “(B) a list, to the extent described in such gen-
24 eral authorization, of the countries with which such
25 agreements are contemplated.

1 “(4)(A) *The President may, on a case-by-case basis,*
2 *waive the requirements of this subsection with respect to*
3 *a specific international agreement or qualifying non-bind-*
4 *ing instrument if the President certifies to the appropriate*
5 *congressional committees that—*

6 “(i) *exercising the waiver authority is vital to*
7 *the negotiation of a particular international agree-*
8 *ment or qualifying non-binding instrument that is*
9 *itself vital to the national security interests of the*
10 *United States; and*

11 “(ii) *not later than 60 calendar days after the*
12 *date on which the President exercises the waiver au-*
13 *thority, the President or the President’s designee will*
14 *brief the Majority Leader and the Minority Leader of*
15 *the Senate, the Speaker and the Minority Leader of*
16 *the House of Representatives, and the Chairs and*
17 *Ranking Members of the appropriate congressional*
18 *committees on the scope and status of the negotiation*
19 *that is the subject of the waiver.*

20 “(B) *Not later than 60 calendar days after the date*
21 *on which the President exercises the waiver authority under*
22 *subparagraph (A), the President or the President’s designee*
23 *shall brief the Majority Leader and the Minority Leader*
24 *of the Senate, the Speaker and the Minority Leader of the*
25 *House of Representatives, and the Chairs and Ranking*

1 *Members of the appropriate congressional committees on the*
2 *scope and status of the negotiation that is the subject of*
3 *the waiver.*

4 “(C) *The certification required by subparagraph (A)*
5 *may be provided in classified form.*

6 “(D) *The President shall not delegate the waiver au-*
7 *thority or certification requirements under subparagraph*
8 *(A).*

9 “(b)(1) *Not less frequently than once each month, the*
10 *Secretary shall make the text of all international agree-*
11 *ments that entered into force and qualifying non-binding*
12 *instruments that became operative during the prior month,*
13 *and the information required by subparagraphs (B)(iii)*
14 *and clauses (iii) and (iv) of subsection (a)(1)(C), available*
15 *to the public on the website of the Department of State.*

16 “(2) *The requirement under paragraph (1)—*

17 “(A) *shall not apply to any information, includ-*
18 *ing the text of an international agreement or quali-*
19 *fying non-binding instrument, that is classified; and*

20 “(B) *shall apply to any information, including*
21 *the text of an international agreement or qualifying*
22 *non-binding instrument, that is unclassified, except*
23 *that the information required by subparagraphs*
24 *(B)(iii) and clauses (iii) and (iv) of subsection*
25 *(a)(1)(C) shall not be subject to the requirement under*

1 paragraph (1) if the international agreement or
2 qualifying non-binding instrument to which it relates
3 is classified.

4 “(3)(A) Not less frequently than once every 3 months,
5 for all non-binding instruments that become operative and
6 in which Department of State personnel or resources, in-
7 cluding personnel or resources subject to chief of mission
8 authority, were involved in the negotiation of such instru-
9 ments, the Secretary shall—

10 “(i) make the text of all such unclassified non-
11 binding instruments available to the public on the
12 website of the Department of State; and

13 “(ii) transmit the text of all such classified non-
14 binding instruments to the appropriate congressional
15 committees.

16 “(B) The requirements under subparagraph (A) shall
17 not apply to a non-binding instrument if the Secretary de-
18 termines that such instrument is a minor undertaking. The
19 Secretary shall submit any such determination to the ap-
20 propriate congressional committees not later than 30 cal-
21 endar days after the date on which such instrument is
22 signed or approved and provide in such submission the
23 name of the instrument and a description of the instru-
24 ment’s scope, substance, and participants. The Secretary
25 may provide such determination in classified form if pro-

1 *viding such information in unclassified form could reason-*
2 *ably be expected to cause damage to the foreign relations*
3 *or foreign activities of the United States.*

4 “(C) *The requirements under subparagraph (A) shall*
5 *not apply to any non-binding instruments that become op-*
6 *erative pursuant to the authorities provided in title 10 or*
7 *the authorities provided to the agencies described in section*
8 *3(4) of the National Security Act of 1947 (50 U.S.C.*
9 *3003(4)).*

10 “(c) *For any international agreement or qualifying*
11 *non-binding arrangement, not later than 30 calendar days*
12 *after the date on which the Secretary receives a written*
13 *communication from the Chair or Ranking Member of ei-*
14 *ther of the appropriate congressional committees requesting*
15 *copies of any implementing agreements or arrangements,*
16 *whether binding or non-binding, the Secretary shall submit*
17 *such implementing agreements or arrangements to the ap-*
18 *propriate congressional committees.”;*

19 (6) *by striking subsection (e) and inserting the*
20 *following:*

21 “(e)(1) *Each department or agency of the United*
22 *States Government that enters into any international*
23 *agreement or qualifying non-binding instrument on behalf*
24 *of itself or the United States shall designate a Chief Inter-*
25 *national Agreements Officer, who shall—*

1 “(A) be selected from among employees of such
2 department or agency;

3 “(B) serve concurrently as the Chief Inter-
4 national Agreements Officer; and

5 “(C) subject to the authority of the head of such
6 department or agency, have department- or agency-
7 wide responsibility for efficient and appropriate com-
8 pliance with this section.

9 “(2) The Chief International Agreements Officer of the
10 Department of State shall serve in the Office of the Legal
11 Adviser with the title of International Agreements Compli-
12 ance Officer.

13 “(f) Texts of oral international agreements and quali-
14 fying non-binding instruments shall be reduced to writing
15 and subject to the requirements of subsection (a).”;

16 (7) in subsection (g), as redesignated by para-
17 graph (4), by striking “of State”;

18 (8) by inserting after subsection (g), as so redesi-
19 gnated, the following:

20 “(h)(1) Notwithstanding any other provision of law,
21 no amounts appropriated to the Department of State under
22 any law shall be available for obligation or expenditure to
23 conclude or implement or to support the conclusion or im-
24 plementation of (including through the use of personnel or
25 resources subject to the authority of a chief of mission) a

1 *particular international agreement, other than to facilitate*
2 *compliance with this section, until the Secretary satisfies*
3 *the substantive requirements in subsection (a) with respect*
4 *to that particular international agreement.*

5 “(2) *Paragraph (1) shall take effect on October 1, 2022.*

6 “(i)(1) *Not later than 3 years after the date of the en-*
7 *actment of this Act, and not less frequently than once every*
8 *2 years thereafter, the Comptroller General of the United*
9 *States shall conduct an audit of the compliance of the Sec-*
10 *retary with the requirements of this section.*

11 “(2) *In any instance in which a failure by the Sec-*
12 *retary to comply with such requirements is determined by*
13 *the Comptroller General to have been due to the failure or*
14 *refusal of another agency to provide information or mate-*
15 *rial to the Department of State, or the failure to do so in*
16 *a timely manner, the Comptroller General shall engage such*
17 *other agency to determine—*

18 “(A) *the cause and scope of such failure or re-*
19 *fusals;*

20 “(B) *the specific office or offices responsible for*
21 *such failure or refusal; and*

22 “(C) *penalties or other recommendations for*
23 *measures to ensure compliance with statutory require-*
24 *ments.*

1 “(3) *The Comptroller General shall submit to the ap-*
2 *propriate congressional committees the results of each audit*
3 *required by paragraph (1).*

4 “(4) *The Comptroller General and the Secretary shall*
5 *make the results of each audit required by paragraph (1)*
6 *publicly available on the websites of the Government Ac-*
7 *countability Office and the Department of State, respec-*
8 *tively.*”;

9 (9) *in subsection (j), as redesignated by para-*
10 *graph (4)—*

11 (A) *in paragraph (1)—*

12 (i) *by striking “The Secretary of State*
13 *shall annually submit to Congress” and in-*
14 *serting “Not later than February 1 of each*
15 *year, the Secretary shall submit to the ap-*
16 *propriate congressional committees”; and*

17 (ii) *by striking “an index of” and all*
18 *that follows through the period at the end*
19 *and inserting the following: “a list of—*

20 (A) *all international agreements and qualifying*
21 *non-binding instruments that were signed or other-*
22 *wise concluded, entered into force or otherwise became*
23 *operative, or that were modified or otherwise amended*
24 *during the preceding calendar year; and*

1 “(B) for each agreement and instrument in-
2 cluded in the list under subparagraph (A)—

3 “(i) the dates of any action described in
4 such subparagraph;

5 “(ii) the title of the agreement or instru-
6 ment; and

7 “(iii) a summary of the agreement or in-
8 strument (including a description of the dura-
9 tion of activities under the agreement or instru-
10 ment and a description of the agreement or in-
11 strument).”;

12 (B) in paragraph (2), by striking “may be
13 submitted in classified form” and inserting
14 “shall be submitted in unclassified form, but
15 may include a classified annex”; and

16 (C) by adding at the end the following:

17 “(3)(A) The Secretary should make the report, except
18 for any classified annex, available to the public on the
19 website of the Department of State.

20 “(B) Not later than February 1 of each year, the Sec-
21 retary shall make available to the public on the website of
22 the Department of State each part of the report involving
23 an international agreement or qualifying non-binding in-
24 strument that entered into force or became operative during

1 *the preceding calendar year, except for any classified annex*
2 *or information contained therein.*

3 “(4) *Not less frequently than once every 3 months, the*
4 *Secretary shall brief the appropriate congressional commit-*
5 *tees on developments with regard to non-binding instru-*
6 *ments that have an important effect on the foreign relations*
7 *of the United States.”; and*

8 (10) *in subsection (l), as redesignated by para-*
9 *graph (4)—*

10 (A) *by striking “or executive agreement”*
11 *and inserting “, executive agreement”; and*

12 (B) *by inserting “, or non-binding instru-*
13 *ment” after “agreement”; and*

14 (11) *by adding after subsection (l), as redesign-*
15 *ated by paragraph (4), the following:*

16 “(m) *In this section:*

17 “(1) *The term ‘appropriate congressional com-*
18 *mittees’ means—*

19 “(A) *the Committee on Foreign Relations of*
20 *the Senate; and*

21 “(B) *the Committee on Foreign Affairs of*
22 *the House of Representatives.*

23 “(2) *The term ‘international agreement’ in-*
24 *cludes—*

1 “(A) treaties that require the advice and
2 consent of the Senate, pursuant to article II of
3 the Constitution of the United States; and

4 “(B) other international agreements to
5 which the United States is a party and which
6 are not subject to the advice and consent of the
7 Senate.

8 “(3)(A) The term ‘qualifying non-binding instru-
9 ment’ means a non-binding instrument that—

10 “(i) is signed or otherwise becomes operative
11 with one or more foreign governments, inter-
12 national organizations, or foreign entities, in-
13 cluding non-state actors; and

14 “(ii) is the subject of a written communica-
15 tion from the Chair or Ranking Member of either
16 of the appropriate congressional committees to
17 the Secretary.

18 “(B) The term ‘qualifying non-binding instru-
19 ment’ does not include any non-binding instrument
20 that is signed or otherwise becomes operative pursu-
21 ant to the authorities provided in title 10 or the au-
22 thorities provided to the agencies described in section
23 3(4) of the National Security Act of 1947 (50 U.S.C.
24 3003(4)).

1 “(4) *The term ‘Secretary’ means the Secretary of*
2 *State.*”

3 “(5)(A) *The term ‘text of the international agree-*
4 *ment or qualifying non-binding instrument’ in-*
5 *cludes—*

6 “(i) *any annex, appendix, codicil, side*
7 *agreement, side letter, or any document of simi-*
8 *lar purpose or function to the aforementioned re-*
9 *gardless of the title of the document; or*

10 “(ii) *any related agreement or non-binding*
11 *instrument, including implementing agreements*
12 *and arrangements, whether entered into contem-*
13 *poraneously and in conjunction with the inter-*
14 *national agreement or qualifying non-binding*
15 *instrument.*”

16 “(B) *Under subparagraph (A)(ii), the term ‘con-*
17 *temporaneously and in conjunction with’ shall be con-*
18 *strued liberally and shall not be interpreted to mean*
19 *simultaneously or on the same day.’.*”

20 (b) *CLERICAL AMENDMENT.—The table of sections at*
21 *the beginning of chapter 2 of title 1, United States Code,*
22 *is amended by striking the item relating to section 112b*
23 *and inserting the following:*

 “112b. *United States international agreements; transparency provisions.*”.

24 (c) *CONFORMING AMENDMENT.—Section 317(h)(2) of*
25 *the Homeland Security Act of 2002 (6 U.S.C. 195c(h)(2))*

1 *is amended by striking “Section 112b(c)” and inserting*
2 *“Section 112b(g)”.*

3 *(d) AUTHORIZATION OF APPROPRIATIONS.—There is*
4 *authorized to be appropriated to the Department of State*
5 *\$1,000,000 for each of fiscal years 2022 through 2026 for*
6 *purposes of implementing the requirements of section 112b*
7 *of title 1, United States Code, as amended by this section.*

8 *(e) RULES AND REGULATIONS.—Not later than six*
9 *months from the date of the enactment of this Act, the Presi-*
10 *dent shall, through the Secretary of State, promulgate such*
11 *rules and regulations as may be necessary to carry section*
12 *112b of title 1, United States Code, as amended by this sec-*
13 *tion.*

14 **SEC. 3311. AUTHORIZATION OF APPROPRIATIONS FOR PRO-**
15 **TECTING HUMAN RIGHTS IN THE PEOPLE’S**
16 **REPUBLIC OF CHINA.**

17 *(a) IN GENERAL.—Amounts authorized to be appro-*
18 *riated or otherwise made available to carry out section*
19 *409 of the Asia Reassurance Initiative (Public Law 115–*
20 *409) include programs that prioritize the protection and*
21 *advancement of the freedoms of association, assembly, reli-*
22 *gion, and expression for women, human rights activists,*
23 *and ethnic and religious minorities in the People’s Republic*
24 *of China.*

1 **(b) USE OF FUNDS.**—Amounts appropriated pursuant
2 to subsection (a) may be used to fund nongovernmental
3 agencies within the Indo-Pacific region that are focused on
4 the issues described in subsection (a).

5 **(c) CONSULTATION REQUIREMENT.**—In carrying out
6 this section, the Assistant Secretary of Democracy, Human
7 Rights and Labor shall consult with the appropriate con-
8 gressional committees and representatives of civil society re-
9 garding—

10 (1) strengthening the capacity of the organiza-
11 tions referred to in subsection (b);

12 (2) protecting members of the groups referred to
13 in subsection (a) who have been targeted for arrest,
14 harassment, forced sterilizations, coercive abortions,
15 forced labor, or intimidation, including members re-
16 siding outside of the People’s Republic of China; and

17 (3) messaging efforts to reach the broadest pos-
18 sible audiences within the People’s Republic of China
19 about United States Government efforts to protect
20 freedom of association, expression, assembly, and the
21 rights of ethnic minorities.

1 **SEC. 3312. DIPLOMATIC BOYCOTT OF THE XXIV OLYMPIC**
2 **WINTER GAMES AND THE XIII PARALYMPIC**
3 **WINTER GAMES.**

4 (a) *STATEMENT OF POLICY.*—*It shall be the policy of*
5 *the United States—*

6 (1) *to implement a diplomatic boycott of the*
7 *XXIV Olympic Winter Games and the XIII*
8 *Paralympic Winter Games in the PRC; and*

9 (2) *to call for an end to the Chinese Communist*
10 *Party’s ongoing human rights abuses, including the*
11 *Uyghur genocide.*

12 (b) *FUNDING PROHIBITION.*—

13 (1) *IN GENERAL.*—*Notwithstanding any other*
14 *provision of law, the Secretary of State may not obli-*
15 *gate or expend any Federal funds to support or facili-*
16 *tate the attendance of the XXIV Olympic Winter*
17 *Games or the XIII Paralympic Winter Games by any*
18 *employee of the United States Government.*

19 (2) *EXCEPTION.*—*Paragraph (1) shall not apply*
20 *to the obligation or expenditure of Federal funds nec-*
21 *essary—*

22 (A) *to support—*

23 (i) *the United States Olympic and*
24 *Paralympic Committee;*

25 (ii) *the national governing bodies of*
26 *amateur sports; or*

1 (iii) athletes, employees, or contractors
 2 of the Olympic and Paralympic Committee
 3 or such national governing bodies; or

4 (B) to provide consular services or security
 5 to, or otherwise protect the health, safety, and
 6 welfare of, United States persons, employees, con-
 7 tractors, and their families.

8 (3) *WAIVER.*—The Secretary of State may waive
 9 the applicability of paragraph (1) in a circumstance
 10 in which the Secretary determines a waiver is the na-
 11 tional interest.

12 **SEC. 3313. REPEAL OF SUNSET APPLICABLE TO AUTHORITY**
 13 **UNDER GLOBAL MAGNITSKY HUMAN RIGHTS**
 14 **ACCOUNTABILITY ACT.**

15 Section 1265 of the Global Magnitsky Human Rights
 16 Accountability Act (Subtitle F of title XII of Public Law
 17 114–328; 22 U.S.C. 2656 note) is repealed.

18 **TITLE IV—INVESTING IN OUR**
 19 **ECONOMIC STATECRAFT**

20 **SEC. 3401. FINDINGS AND SENSE OF CONGRESS REGARD-**
 21 **ING THE PRC’S INDUSTRIAL POLICY.**

22 (a) *FINDINGS.*—Congress makes the following findings:

23 (1) *The People’s Republic of China, at the direc-*
 24 *tion of the Chinese Communist Party, is advancing*

1 *an ecosystem of anticompetitive economic and indus-*
2 *trial policies that—*

3 *(A) distort global markets;*

4 *(B) limit innovation;*

5 *(C) unfairly advantage PRC firms at the*
6 *expense of the United States and other foreign*
7 *firms; and*

8 *(D) unfairly and harmfully prejudice con-*
9 *sumer choice.*

10 *(2) Of the extensive and systemic economic and*
11 *industrial policies pursued by the PRC, the mass sub-*
12 *sidization of PRC firms, intellectual property theft,*
13 *and forced technology transfer are among the most*
14 *damaging to the global economy.*

15 *(3) Through regulatory interventions and direct*
16 *financial subsidies, the CCP, for the purposes of ad-*
17 *vancing national political and economic objectives,*
18 *directs, coerces, and influences in anti-competitive*
19 *ways the commercial activities of firms that are di-*
20 *rected, financed, influenced, or otherwise controlled by*
21 *the state, including state-owned enterprises, and os-*
22 *tensibly independent and private Chinese companies,*
23 *such as technology firms in strategic sectors.*

24 *(4) The PRC Government, at the national and*
25 *subnational levels, grants special privileges or status*

1 to certain PRC firms in key sectors designated as
2 strategic, such as telecommunications, oil, power,
3 aviation, banking, and semiconductors. Enterprises
4 receive special state preferences in the form of favor-
5 able loans, tax exemptions, and preferential land ac-
6 cess from the CCP.

7 (5) The subsidization of PRC companies, as de-
8 scribed in paragraphs (3) and (4)—

9 (A) enables these companies to sell goods
10 below market prices, allowing them to outbid
11 and crowd out market-based competitors and
12 thereby pursue global dominance of key sectors;

13 (B) distorts the global market economy by
14 undermining longstanding and generally accept-
15 ed market-based principles of fair competition,
16 leading to barriers to entry and forced exit from
17 the market for foreign or private firms, not only
18 in the PRC, but in markets around the world;

19 (C) creates government-sponsored or sup-
20 ported de facto monopolies, cartels, and other
21 anti-market arrangements in key sectors, lim-
22 iting or removing opportunities for other firms;
23 and

24 (D) leads to, as a result of the issues de-
25 scribed in paragraphs (A) through (C), declines

1 *in profits and revenue needed by foreign and*
2 *private firms for research and development.*

3 (6) *The CCP incentivizes and empowers PRC ac-*
4 *tors to steal critical technologies and trade secrets*
5 *from private and foreign competitors operating in the*
6 *PRC and around the world, particularly in areas*
7 *that the CCP has identified as critical to advancing*
8 *PRC objectives. The PRC, as directed by the CCP,*
9 *also continues to implement anti-competitive regula-*
10 *tions, policies, and practices that coerce the handover*
11 *of technology and other propriety or sensitive data*
12 *from foreign enterprises to domestic firms in exchange*
13 *for access to the PRC market.*

14 (7) *Companies in the United States and in for-*
15 *ign countries compete with state-subsidized PRC*
16 *companies that enjoy the protection and power of the*
17 *state in third-country markets around the world. The*
18 *advantages granted to PRC firms, combined with sig-*
19 *nificant restrictions to accessing the PRC market*
20 *itself, severely hamper the ability of United States*
21 *and foreign firms to compete, innovate, and pursue*
22 *the provision of best value to customers. The result is*
23 *an unbalanced playing field. Such an unsustainable*
24 *course, if not checked, will over time lead to depressed*

1 *competition around the world, reduced opportunity,*
2 *and harm to both producers and consumers.*

3 *(8) As stated in the United States Trade Rep-*
4 *resentative's investigation of the PRC's trade prac-*
5 *tices under section 301 of the Trade Act of 1974 (19*
6 *U.S.C. 2411), conducted in March 2018, "When U.S.*
7 *companies are deprived of fair returns on their in-*
8 *vestment in IP, they are unable to achieve the growth*
9 *necessary to reinvest in innovation. In this sense,*
10 *China's technology transfer regime directly burdens*
11 *the innovation ecosystem that is an engine of eco-*
12 *nomical growth in the United States and similarly-sit-*
13 *uated economies."*

14 *(9) In addition to forced technology transfers de-*
15 *scribed in this subsection, the United States Trade*
16 *Representative's investigation of the PRC under sec-*
17 *tion 301 of the Trade Act of 1974 (19 U.S.C. 2411)*
18 *also identified requirements that foreign firms license*
19 *products at less than market value, government-di-*
20 *rected and government-subsidized acquisition of sen-*
21 *sitive technology for strategic purposes, and cyber*
22 *theft as other key PRC technology and industrial*
23 *policies that are unreasonable and discriminatory.*
24 *These policies place at risk United States intellectual*

1 *property rights, innovation and technological develop-*
2 *ment, and jobs in dozens of industries.*

3 *(10) Other elements of the PRC's ecosystem of in-*
4 *dustrial policies that harm innovation and distort*
5 *global markets include—*

6 *(A) advancement of policies that encourage*
7 *local production over imports;*

8 *(B) continuation of policies that favor*
9 *unique technical standards in use by PRC firms*
10 *rather than globally accepted standards, which*
11 *often force foreign firms to alter their products*
12 *and manufacturing chains to compete;*

13 *(C) requirements that foreign companies*
14 *disclose proprietary information to qualify for*
15 *the adoption of their standards for use in the*
16 *PRC domestic market; and*

17 *(D) maintenance of closed procurement*
18 *processes, which limit participation by foreign*
19 *firms, including by setting terms that require*
20 *such firms to use domestic suppliers, transfer*
21 *know-how to firms in the PRC, and disclose pro-*
22 *prietary information.*

23 *(11) The Belt and Road Initiative (BRI) and as-*
24 *sociated industry-specific efforts under this initiative,*
25 *such as the Digital Silk Road, are key vectors to ad-*

1 *vance the PRC’s mercantilist policies and practices*
2 *globally. The resulting challenges do not only affect*
3 *United States firms. As the European Chamber of*
4 *Commerce reported in a January 2020 report, the*
5 *combination of concessional lending to PRC state-*
6 *owned enterprises, nontransparent procurement and*
7 *bidding processes, closed digital standards, and other*
8 *factors severely limit European and other participa-*
9 *tion in BRI and make “competition [with PRC com-*
10 *panies] in third-country markets extremely chal-*
11 *lenging”. This underscores a key objective of BRI,*
12 *which is to ensure the reliance of infrastructure, dig-*
13 *ital technologies, and other important goods on PRC*
14 *supply chains and technical standards.*

15 *(12) On January 9, 2021, the Ministry of Com-*
16 *merce of the PRC issued Order No. 1 of 2021, entitled*
17 *“Rules on Counteracting Unjustified Extraterritorial*
18 *Application of Foreign Legislation and other Meas-*
19 *ures”, which establishes a blocking regime in response*
20 *to foreign sanctions on Chinese individuals and enti-*
21 *ties. That order allows the Government of the PRC to*
22 *designate specific foreign laws as “unjustified*
23 *extraterritorial application of foreign legislation” and*
24 *to prohibit compliance with such foreign laws.*

1 **(b) SENSE OF CONGRESS.**—*It is the sense of Congress*
2 *that—*

3 (1) *the challenges presented by a nonmarket*
4 *economy like the PRC’s economy, which has captured*
5 *such a large share of global economic exchange, are in*
6 *many ways unprecedented and require sufficiently*
7 *elevated and sustained long-term focus and engage-*
8 *ment;*

9 (2) *in order to truly address the most detri-*
10 *mental aspects of CCP-directed mercantilist economic*
11 *strategy, the United States must adopt policies that—*

12 (A) *expose the full scope and scale of intel-*
13 *lectual property theft and mass subsidization of*
14 *Chinese firms, and the resulting harm to the*
15 *United States, foreign markets, and the global*
16 *economy;*

17 (B) *ensure that PRC companies face costs*
18 *and consequences for anticompetitive behavior;*

19 (C) *provide options for affected United*
20 *States persons to address and respond to unrea-*
21 *sonable and discriminatory CCP-directed indus-*
22 *trial policies; and*

23 (D) *strengthen the protection of critical*
24 *technology and sensitive data, while still fos-*

1 *tering an environment that provides incentives*
2 *for innovation and competition;*

3 *(3) the United States must work with its allies*
4 *and partners through the Organization for Economic*
5 *Cooperation and Development (OECD), the World*
6 *Trade Organization, and other venues and fora—*

7 *(A) to reinforce long-standing generally ac-*
8 *cepted principles of fair competition and market*
9 *behavior and address the PRC's anticompetitive*
10 *economic and industrial policies that undermine*
11 *decades of global growth and innovation;*

12 *(B) to ensure that the PRC is not granted*
13 *the same treatment as that of a free-market econ-*
14 *omy until it ceases the implementation of laws,*
15 *regulations, policies, and practices that provide*
16 *unfair advantage to PRC firms in furtherance of*
17 *national objectives and impose unreasonable, dis-*
18 *criminatory, and illegal burdens on market-*
19 *based international commerce; and*

20 *(C) to align policies with respect to curbing*
21 *state-directed subsidization of the private sector,*
22 *such as advocating for global rules related to*
23 *transparency and adherence to notification re-*
24 *quirements, including through the efforts cur-*

1 *rently being advanced by the United States,*
2 *Japan, and the European Union;*

3 *(4) the United States and its allies and partners*
4 *must collaborate to provide incentives to their respec-*
5 *tive companies to cooperate in areas such as—*

6 *(A) advocating for protection of intellectual*
7 *property rights in markets around the world;*

8 *(B) fostering open technical standards; and*

9 *(C) increasing joint investments in overseas*
10 *markets; and*

11 *(5) the United States should develop policies*
12 *that—*

13 *(A) insulate United States entities from*
14 *PRC pressure against complying with United*
15 *States laws;*

16 *(B) counter the potential impact of the*
17 *blocking regime of the PRC described in sub-*
18 *section (a)(12), including by working with allies*
19 *and partners of the United States and multilat-*
20 *eral institutions; and*

21 *(C) plan for future actions that the Govern-*
22 *ment of the PRC may take to undermine the*
23 *lawful application of United States legal au-*
24 *thorities, including with respect to the use of*
25 *sanctions.*

1 **SEC. 3402. INTELLECTUAL PROPERTY VIOLATORS LIST.**

2 (a) *IN GENERAL.*—Not later than one year after the
3 date of the enactment of this Act, and not less frequently
4 than annually thereafter for 5 years, the Secretary of State,
5 in coordination with the Secretary of Commerce, the Attor-
6 ney General, the United States Trade Representative, and
7 the Director of National Intelligence, shall create a list (re-
8 ferred to in this section as the “intellectual property viola-
9 tors list”) that identifies—

10 (1) *all centrally administered state-owned enter-*
11 *prises incorporated in the People’s Republic of China*
12 *that have benefitted from—*

13 (A) *a significant act or series of acts of in-*
14 *tellectual property theft that subjected a United*
15 *States economic sector or particular company*
16 *incorporated in the United States to harm; or*

17 (B) *an act or government policy of involun-*
18 *tary or coerced technology transfer of intellectual*
19 *property ultimately owned by a company incor-*
20 *porated in the United States; and*

21 (2) *any corporate officer of, or principal share-*
22 *holder with controlling interests in, an entity de-*
23 *scribed in paragraph (1).*

24 (b) *RULES FOR IDENTIFICATION.*—To determine
25 whether there is a credible basis for determining that a com-
26 pany should be included on the intellectual property viola-

1 *tors list, the Secretary of State, in coordination with the*
2 *Secretary of Commerce, the United States Trade Represent-*
3 *ative, and the Director of National Intelligence, shall con-*
4 *sider—*

5 (1) *any finding by a United States court that*
6 *the company has violated relevant United States laws*
7 *intended to protect intellectual property rights; or*

8 (2) *substantial and credible information received*
9 *from any entity described in subsection (c) or other*
10 *interested persons.*

11 (c) *CONSULTATION.—In carrying out this section, the*
12 *Secretary of State, in coordination with the Secretary of*
13 *Commerce, the United States Trade Representative, and the*
14 *Director of National Intelligence, may consult, as necessary*
15 *and appropriate, with—*

16 (1) *other Federal agencies, including inde-*
17 *pendent agencies;*

18 (2) *the private sector;*

19 (3) *civil society organizations with relevant ex-*
20 *pertise; and*

21 (4) *the Governments of Australia, Canada, the*
22 *European Union, Japan, New Zealand, South Korea,*
23 *and the United Kingdom.*

24 (d) *REPORT.—*

1 (1) *IN GENERAL.*—*The Secretary of State shall*
2 *publish, in the Federal Register, an annual report*
3 *that—*

4 (A) *lists the companies engaged in the ac-*
5 *tivities described in subsection (a)(1); and*

6 (B) *describes the circumstances surrounding*
7 *actions described in subsection (a)(2), including*
8 *any role of the PRC government;*

9 (C) *assesses, to the extent practicable, the*
10 *economic advantage derived by the companies*
11 *engaged in the activities described in subsection*
12 *(a)(1); and*

13 (D) *assesses whether each company engaged*
14 *in the activities described in subsection (a)(1) is*
15 *using or has used the stolen intellectual property*
16 *in commercial activity in Australia, Canada, the*
17 *European Union, Japan, New Zealand, South*
18 *Korea, the United Kingdom, or the United*
19 *States.*

20 (2) *FORM.*—*The report published under para-*
21 *graph (1) shall be unclassified, but may include a*
22 *classified annex.*

23 (e) *DECLASSIFICATION AND RELEASE.*—*The Director*
24 *of National Intelligence may authorize the declassification*

1 of information, as appropriate, to inform the contents of
2 the report published pursuant to subsection (d).

3 (f) *REQUIREMENT TO PROTECT BUSINESS-CONFIDEN-*
4 *TIAL INFORMATION.*—

5 (1) *IN GENERAL.*—*The Secretary of State and*
6 *the heads of all other Federal agencies involved in the*
7 *production of the intellectual property violators list*
8 *shall protect from disclosure any proprietary infor-*
9 *mation submitted by a private sector participant and*
10 *marked as business-confidential information, unless*
11 *the party submitting the confidential business infor-*
12 *mation—*

13 (A) *had notice, at the time of submission,*
14 *that such information would be released by the*
15 *Secretary; or*

16 (B) *subsequently consents to the release of*
17 *such information.*

18 (2) *NONCONFIDENTIAL VERSION OF REPORT.*—*If*
19 *confidential business information is provided by a*
20 *private sector participant, a nonconfidential version*
21 *of the report under subsection (d) shall be published*
22 *in the Federal Register that summarizes or deletes, if*
23 *necessary, the confidential business information.*

1 (3) *TREATMENT AS TRADE SECRETS.*—*Propri-*
2 *etary information submitted by a private party under*
3 *this section—*

4 (A) *shall be considered to be trade secrets*
5 *and commercial or financial information (as de-*
6 *fined under section 552(b)(4) of title 5, United*
7 *States Code); and*

8 (B) *shall be exempt from disclosure without*
9 *the express approval of the private party.*

10 **SEC. 3403. GOVERNMENT OF THE PEOPLE'S REPUBLIC OF**
11 **CHINA SUBSIDIES LIST.**

12 (a) *REPORT.*—*Not later than one year after the date*
13 *of the enactment of this Act, and annually thereafter for*
14 *5 years, the Secretary of State, in coordination with the*
15 *United States Trade Representative and the Secretary of*
16 *Commerce, shall publish an unclassified report in the Fed-*
17 *eral Register that identifies—*

18 (1) *subsidies provided by the PRC government to*
19 *enterprises in the PRC; and*

20 (2) *discriminatory treatment favoring enter-*
21 *prises in the PRC over foreign market participants.*

22 (b) *SUBSIDIES AND DISCRIMINATORY TREATMENT DE-*
23 *SCRIBED.*—*In compiling the report under subsection (a),*
24 *the Secretary of State shall consider—*

1 (1) *regulatory and other policies enacted or pro-*
2 *moted by the PRC government that—*

3 (A) *discriminate in favor of enterprises in*
4 *the PRC at the expense of foreign market par-*
5 *ticipants;*

6 (B) *shield centrally administered, state-*
7 *owned enterprises from competition; or*

8 (C) *otherwise suppress market-based com-*
9 *petition;*

10 (2) *financial subsidies, including favorable lend-*
11 *ing terms, from or promoted by the PRC government*
12 *or centrally administered, state-owned enterprises*
13 *that materially benefit PRC enterprises over foreign*
14 *market participants in contravention of generally ac-*
15 *cepted market principles; and*

16 (3) *any subsidy that meets the definition of sub-*
17 *sidy under article 1 of the Agreement on Subsidies*
18 *and Countervailing Measures referred to in section*
19 *101(d)(12) of the Uruguay Round Agreements Act (19*
20 *U.S.C. 3511(d)(12)).*

21 (c) *CONSULTATION.—The Secretary of State, in coordi-*
22 *nation with the Secretary of Commerce and the United*
23 *States Trade Representative, may, as necessary and appro-*
24 *priate, consult with—*

1 (1) *other Federal agencies, including inde-*
2 *pendent agencies;*

3 (2) *the private sector; and*

4 (3) *civil society organizations with relevant ex-*
5 *pertise.*

6 **SEC. 3404. COUNTERING FOREIGN CORRUPT PRACTICES.**

7 (a) *IN GENERAL.*—*The Secretary of State, in coordi-*
8 *nation with the Attorney General, shall offer to provide*
9 *technical assistance to establish legislative and regulatory*
10 *frameworks to combat the bribery of foreign public officials*
11 *consistent with the principles of the OECD Convention on*
12 *Combating Bribery of Foreign Public Officials in Inter-*
13 *national Business Transactions to the governments of coun-*
14 *tries—*

15 (1) *that are partners of the United States;*

16 (2) *that have demonstrated a will to combat for-*
17 *ign corrupt practices responsibly; and*

18 (3) *for which technical assistance will have the*
19 *greatest opportunity to achieve measurable results.*

20 (b) *STRATEGY REQUIREMENT.*—*Not later than 90*
21 *days after the date of enactment of this Act, the Secretary*
22 *of State shall submit a strategy for carrying out the activi-*
23 *ties described in subsections (a) to the appropriate congres-*
24 *sional committees.*

1 (c) *COORDINATION.*—*In formulating the strategy de-*
2 *scribed in subsection (b), the Secretary of State shall coordi-*
3 *nate with the Attorney General.*

4 (d) *SEMIANNUAL BRIEFING REQUIREMENT.*—*Not later*
5 *than 180 days after the date of enactment of this Act, and*
6 *every 180 days thereafter for five years, the Secretary of*
7 *State shall provide a briefing regarding the activities de-*
8 *scribed in subsection (a) and the strategy submitted under*
9 *subsection (b) to the appropriate congressional committees.*

10 **SEC. 3405. DEBT RELIEF FOR COUNTRIES ELIGIBLE FOR AS-**
11 **SISTANCE FROM THE INTERNATIONAL DE-**
12 **VELOPMENT ASSOCIATION.**

13 (a) *POLICY STATEMENT.*—*It is the policy of the United*
14 *States to coordinate with the international community to*
15 *provide debt relief for debt that is held by countries eligible*
16 *for assistance from the International Development Associa-*
17 *tion that request forbearance to respond to the COVID–19*
18 *pandemic.*

19 (b) *DEBT RELIEF.*—*The Secretary of the Treasury, in*
20 *consultation with the Secretary of State, shall engage with*
21 *international financial institutions and other bilateral offi-*
22 *cial creditors to advance policy discussions on restruc-*
23 *turing, rescheduling, or canceling the sovereign debt of*
24 *countries eligible for assistance from the International De-*

1 *velopment Association, as necessary, to respond to the*
2 *COVID–19 pandemic.*

3 (c) *REPORTING REQUIREMENT.*—*Not later than 45*
4 *days after the date of the enactment of this Act, and every*
5 *90 days thereafter until the end of the COVID–19 pan-*
6 *demic, as determined by the World Health Organization,*
7 *or until two years after the date of the enactment of this*
8 *Act, whichever is earlier, the Secretary of the Treasury, in*
9 *coordination with the Secretary of State, shall submit to*
10 *the committees specified in subsection (d) a report that de-*
11 *scribes—*

12 (1) *actions that have been taken to advance debt*
13 *relief for countries eligible for assistance from the*
14 *International Development Association that request*
15 *forbearance to respond to the COVID–19 pandemic in*
16 *coordination with international financial institu-*
17 *tions, the Group of 7 (G7), the Group of 20 (G20),*
18 *Paris Club members, and the Institute of Inter-*
19 *national Finance;*

20 (2) *mechanisms that have been utilized and*
21 *mechanisms that are under consideration to provide*
22 *the debt relief described in paragraph (1);*

23 (3) *any United States policy concerns regarding*
24 *debt relief to specific countries;*

1 (4) *the balance and status of repayments on all*
2 *loans from the People’s Republic of China to countries*
3 *eligible for assistance from the International Develop-*
4 *ment Association, including—*

5 (A) *loans provided as part of the Belt and*
6 *Road Initiative of the People’s Republic of*
7 *China;*

8 (B) *loans made by the Export-Import Bank*
9 *of China;*

10 (C) *loans made by the China Development*
11 *Bank; and*

12 (D) *loans made by the Asian Infrastructure*
13 *Investment Bank; and*

14 (5) *the transparency measures established or pro-*
15 *posed to ensure that funds saved through the debt re-*
16 *lief described in paragraph (1) will be used for activi-*
17 *ties—*

18 (A) *that respond to the health, economic,*
19 *and social consequences of the COVID–19 pan-*
20 *demic; and*

21 (B) *that are consistent with the interests*
22 *and values of the United States.*

23 (d) *COMMITTEES SPECIFIED.—The committees speci-*
24 *fied in this subsection are—*

1 (1) *the Committee on Foreign Relations, the*
 2 *Committee on Appropriations, and the Committee on*
 3 *Banking, Housing, and Urban Affairs of the Senate;*
 4 *and*

5 (2) *the Committee on Foreign Affairs, the Com-*
 6 *mittee on Appropriations, and the Committee on Fi-*
 7 *nancial Services of the House of Representatives.*

8 **SEC. 3406. REPORT ON MANNER AND EXTENT TO WHICH**
 9 **THE GOVERNMENT OF THE PEOPLE’S REPUB-**
 10 **LIC OF CHINA EXPLOITS HONG KONG TO CIR-**
 11 **CUMVENT UNITED STATES LAWS AND PRO-**
 12 **TECTIONS.**

13 *Title III of the United States-Hong Kong Policy Act*
 14 *of 1992 (22 U.S.C. 5731 et seq.) is amended by adding at*
 15 *the end the following:*

16 **“SEC. 303. REPORT ON MANNER AND EXTENT TO WHICH**
 17 **THE GOVERNMENT OF THE PEOPLE’S REPUB-**
 18 **LIC OF CHINA EXPLOITS HONG KONG TO CIR-**
 19 **CUMVENT UNITED STATES LAWS AND PRO-**
 20 **TECTIONS.**

21 “(a) *IN GENERAL.*—*Not later than 180 days after the*
 22 *date of the enactment of this section, the Secretary of State*
 23 *shall submit to the appropriate congressional committees a*
 24 *report on the manner and extent to which the Government*
 25 *of the People’s Republic of China uses the status of Hong*

1 *Kong to circumvent the laws and protections of the United*
2 *States.*

3 “(b) *ELEMENTS.*—*The report required by subsection*
4 *(a) shall include the following:*

5 “(1) *In consultation with the Secretary of Com-*
6 *merce, the Secretary of Homeland Security, and the*
7 *Director of National Intelligence—*

8 “(A) *an assessment of how the Government*
9 *of the People’s Republic of China uses Hong*
10 *Kong to circumvent United States export con-*
11 *trols; and*

12 “(B) *a list of all significant incidents in*
13 *which the Government of the People’s Republic of*
14 *China used Hong Kong to circumvent such con-*
15 *trols during the reporting period.*

16 “(2) *In consultation with the Secretary of the*
17 *Treasury and the Secretary of Commerce—*

18 “(A) *an assessment of how the Government*
19 *of the People’s Republic of China uses Hong*
20 *Kong to circumvent duties on merchandise ex-*
21 *ported to the United States from the People’s Re-*
22 *public of China; and*

23 “(B) *a list of all significant incidents in*
24 *which the Government of the People’s Republic of*

1 *China used Hong Kong to circumvent such du-*
2 *ties during the reporting period.*

3 “(3) *In consultation with the Secretary of the*
4 *Treasury, the Secretary of Homeland Security, and*
5 *the Director of National Intelligence—*

6 “(A) *an assessment of how the Government*
7 *of the People’s Republic of China uses Hong*
8 *Kong to circumvent sanctions imposed by the*
9 *United States or pursuant to multilateral re-*
10 *gimes; and*

11 “(B) *a list of all significant incidents in*
12 *which the Government of the People’s Republic of*
13 *China used Hong Kong to circumvent such sanc-*
14 *tions during the reporting period.*

15 “(4) *In consultation with the Secretary of Home-*
16 *land Security and the Director of National Intel-*
17 *ligence, an assessment of how the Government of the*
18 *People’s Republic of China uses formal or informal*
19 *means to extradite or coercively move individuals, in-*
20 *cluding United States persons, from Hong Kong to*
21 *the People’s Republic of China.*

22 “(5) *In consultation with the Secretary of De-*
23 *fense, the Director of National Intelligence, and the*
24 *Director of Homeland Security—*

1 “(A) *an assessment of how the intelligence,*
2 *security, and law enforcement agencies of the*
3 *Government of the People’s Republic of China,*
4 *including the Ministry of State Security, the*
5 *Ministry of Public Security, and the People’s*
6 *Armed Police, use the Hong Kong Security Bu-*
7 *reau and other security agencies in Hong Kong*
8 *to conduct espionage on foreign nationals, in-*
9 *cluding United States persons, conduct influence*
10 *operations, or violate civil liberties guaranteed*
11 *under the laws of Hong Kong; and*

12 “(B) *a list of all significant incidents of*
13 *such espionage, influence operations, or viola-*
14 *tions of civil liberties during the reporting pe-*
15 *riod.*

16 “(c) *FORM OF REPORT; AVAILABILITY.—*

17 “(1) *FORM.—The report required by subsection*
18 *(a) shall be submitted in unclassified form, but may*
19 *include a classified index.*

20 “(2) *AVAILABILITY.—The unclassified portion of*
21 *the report required by subsection (a) shall be posted*
22 *on a publicly available internet website of the Depart-*
23 *ment of State.*

24 “(d) *DEFINITIONS.—In this section:*

1 “(1) *APPROPRIATE CONGRESSIONAL COMMIT-*
2 *TEES.*—*The term ‘appropriate congressional commit-*
3 *tees’ means—*

4 “(A) *the Committee on Foreign Relations,*
5 *the Committee on Banking, Housing, and Urban*
6 *Affairs, the Committee on Finance, and the Se-*
7 *lect Committee on Intelligence of the Senate; and*

8 “(B) *the Committee on Foreign Affairs, the*
9 *Committee on Financial Services, the Permanent*
10 *Select Committee on Intelligence, and the Com-*
11 *mittee on Ways and Means of the House of Rep-*
12 *resentatives.*

13 “(2) *FOREIGN NATIONAL.*—*The term ‘foreign na-*
14 *tional’ means a person that is neither—*

15 “(A) *an individual who is a citizen or na-*
16 *tional of the People’s Republic of China; or*

17 “(B) *an entity organized under the laws of*
18 *the People’s Republic of China or of a jurisdic-*
19 *tion within the People’s Republic of China.*

20 “(3) *REPORTING PERIOD.*—*The term ‘reporting*
21 *period’ means the 5-year period preceding submission*
22 *of the report required by subsection (a).*

23 “(4) *UNITED STATES PERSON.*—*The term*
24 *‘United States person’ means—*

1 “(A) a United States citizen or an alien
2 lawfully admitted for permanent residence to the
3 United States; or

4 “(B) an entity organized under the laws of
5 the United States or of any jurisdiction within
6 the United States, including a foreign branch of
7 such an entity.”.

8 **SEC. 3407. ANNUAL REVIEW ON THE PRESENCE OF CHINESE**
9 **COMPANIES IN UNITED STATES CAPITAL**
10 **MARKETS.**

11 (a) *APPROPRIATE COMMITTEES OF CONGRESS.*—*In*
12 *this section, the term “appropriate committees of Congress”*
13 *means—*

14 (1) *the Committee on Foreign Relations of the*
15 *Senate;*

16 (2) *the Select Committee on Intelligence of the*
17 *Senate;*

18 (3) *the Committee on Banking, Housing, and*
19 *Urban Affairs of the Senate;*

20 (4) *the Committee on Foreign Affairs of the*
21 *House of Representatives;*

22 (5) *the Permanent Select Committee on Intel-*
23 *ligence of the House of Representatives; and*

24 (6) *the Committee on Financial Services of the*
25 *House of Representatives.*

1 **(b) REPORT.**—

2 **(1) IN GENERAL.**—*Not later than 180 days after*
3 *the date of the enactment of this Act, and annually*
4 *thereafter for the following 5 years, the Secretary of*
5 *State, in consultation with the Director of National*
6 *Intelligence and the Secretary of the Treasury, shall*
7 *submit an unclassified report to the appropriate com-*
8 *mittees of Congress that describes the risks posed to*
9 *the United States by the presence in United States*
10 *capital markets of companies incorporated in the*
11 *PRC.*

12 **(2) MATTERS TO BE INCLUDED.**—*The report re-*
13 *quired under paragraph (1) shall—*

14 **(A) identify companies incorporated in the**
15 **PRC that—**

16 **(i) are listed or traded on one or sev-**
17 **eral stock exchanges within the United**
18 **States, including over-the-counter market**
19 **and “A Shares” added to indexes and ex-**
20 **change-traded funds out of mainland ex-**
21 **changes in the PRC; and**

22 **(ii) based on the factors for consider-**
23 **ation described in paragraph (3), have**
24 **knowingly and materially contributed to—**

1 (I) activities that undermine
2 United States national security;

3 (II) serious abuses of internation-
4 ally recognized human rights; or

5 (III) a substantially increased fi-
6 nancial risk exposure for United
7 States-based investors;

8 (B) describe the activities of the companies
9 identified pursuant to subparagraph (A), and
10 their implications for the United States; and

11 (C) develop policy recommendations for the
12 United States Government, State governments,
13 United States financial institutions, United
14 States equity and debt exchanges, and other rel-
15 evant stakeholders to address the risks posed by
16 the presence in United States capital markets of
17 the companies identified pursuant to subpara-
18 graph (A).

19 (3) *FACTORS FOR CONSIDERATION.*—In com-
20 pleting the report under paragraph (1), the President
21 shall consider whether a company identified pursuant
22 to paragraph (2)(A)—

23 (A) has materially contributed to the devel-
24 opment or manufacture, or sold or facilitated
25 procurement by the PLA, of lethal military

1 *equipment or component parts of such equip-*
2 *ment;*

3 *(B) has contributed to the construction and*
4 *militarization of features in the South China*
5 *Sea;*

6 *(C) has been sanctioned by the United*
7 *States or has been determined to have conducted*
8 *business with sanctioned entities;*

9 *(D) has engaged in an act or a series of acts*
10 *of intellectual property theft;*

11 *(E) has engaged in corporate or economic*
12 *espionage;*

13 *(F) has contributed to the proliferation of*
14 *nuclear or missile technology in violation of*
15 *United Nations Security Council resolutions or*
16 *United States sanctions;*

17 *(G) has contributed to the repression of reli-*
18 *gious and ethnic minorities within the PRC, in-*
19 *cluding in Xinjiang Uyghur Autonomous Region*
20 *or Tibet Autonomous Region;*

21 *(H) has contributed to the development of*
22 *technologies that enable censorship directed or di-*
23 *rectly supported by the PRC government;*

24 *(I) has failed to comply fully with Federal*
25 *securities laws (including required audits by the*

1 *Public Company Accounting Oversight Board)*
2 *and “material risk” disclosure requirements of*
3 *the Securities and Exchange Commission; or*

4 *(J) has contributed to other activities or be-*
5 *havior determined to be relevant by the Presi-*
6 *dent.*

7 *(c) REPORT FORM.—The report required under sub-*
8 *section (b)(1) shall be submitted in unclassified form, but*
9 *may include a classified annex.*

10 *(d) PUBLICATION.—The unclassified portion of the re-*
11 *port under subsection (b)(1) shall be made accessible to the*
12 *public online through relevant United States Government*
13 *websites.*

14 **SEC. 3408. ECONOMIC DEFENSE RESPONSE TEAMS.**

15 *(a) PILOT PROGRAM.—Not later than 180 days after*
16 *the date of the enactment of this Act, the President, acting*
17 *through the Secretary of State, shall develop and implement*
18 *a pilot program for the creation of deployable economic de-*
19 *fense response teams to help provide emergency technical*
20 *assistance and support to a country subjected to the threat*
21 *or use of coercive economic measures and to play a liaison*
22 *role between the legitimate government of that country and*
23 *the United States Government. Such assistance and support*
24 *may include the following activities:*

1 (1) *Reducing the partner country’s vulnerability*
2 *to coercive economic measures.*

3 (2) *Minimizing the damage that such measures*
4 *by an adversary could cause to that country.*

5 (3) *Implementing any bilateral or multilateral*
6 *contingency plans that may exist for responding to*
7 *the threat or use of such measures.*

8 (4) *In coordination with the partner country, de-*
9 *veloping or improving plans and strategies by the*
10 *country for reducing vulnerabilities and improving*
11 *responses to such measures in the future.*

12 (5) *Assisting the partner country in dealing with*
13 *foreign sovereign investment in infrastructure or re-*
14 *lated projects that may undermine the partner coun-*
15 *try’s sovereignty.*

16 (6) *Assisting the partner country in responding*
17 *to specific efforts from an adversary attempting to*
18 *employ economic coercion that undermines the part-*
19 *ner country’s sovereignty, including efforts in the*
20 *cyber domain, such as efforts that undermine cyberse-*
21 *curity or digital security of the partner country or*
22 *initiatives that introduce digital technologies in a*
23 *manner that undermines freedom, security, and sov-*
24 *ereignty of the partner country.*

1 (7) *Otherwise providing direct and relevant*
2 *short-to-medium term economic or other assistance*
3 *from the United States and marshalling other re-*
4 *sources in support of effective responses to such meas-*
5 *ures.*

6 (b) *INSTITUTIONAL SUPPORT.*—*The pilot program re-*
7 *quired by subsection (a) should include the following ele-*
8 *ments:*

9 (1) *Identification and designation of relevant*
10 *personnel within the United States Government with*
11 *expertise relevant to the objectives specified in sub-*
12 *section (a), including personnel in—*

13 (A) *the Department of State, for overseeing*
14 *the economic defense response team’s activities,*
15 *engaging with the partner country government*
16 *and other stakeholders, and other purposes rel-*
17 *evant to advancing the success of the mission of*
18 *the economic defense response team;*

19 (B) *the United States Agency for Inter-*
20 *national Development, for the purposes of pro-*
21 *viding technical, humanitarian, and other assist-*
22 *ance, generally;*

23 (C) *the Department of the Treasury, for the*
24 *purposes of providing advisory support and as-*

1 *sistance on all financial matters and fiscal im-*
2 *plications of the crisis at hand;*

3 *(D) the Department of Commerce, for the*
4 *purposes of providing economic analysis and as-*
5 *sistance in market development relevant to the*
6 *partner country's response to the crisis at hand,*
7 *technology security as appropriate, and other*
8 *matters that may be relevant;*

9 *(E) the Department of Energy, for the pur-*
10 *poses of providing advisory services and tech-*
11 *nical assistance with respect to energy needs as*
12 *affected by the crisis at hand;*

13 *(F) the Department of Homeland Security,*
14 *for the purposes of providing assistance with re-*
15 *spect to digital and cybersecurity matters, and*
16 *assisting in the development of any contingency*
17 *plans referred to in paragraphs (3) and (6) of*
18 *subsection (a) as appropriate;*

19 *(G) the Department of Agriculture, for pro-*
20 *viding advisory and other assistance with respect*
21 *to responding to coercive measures such as arbi-*
22 *trary market closures that affect the partner*
23 *country's agricultural sector;*

24 *(H) the Office of the United States Trade*
25 *Representative with respect to providing support*

1 *and guidance on trade and investment matters;*
2 *and*

3 *(I) other Federal departments and agencies*
4 *as determined by the President.*

5 *(2) Negotiation of memoranda of understanding,*
6 *where appropriate, with other United States Govern-*
7 *ment components for the provision of any relevant*
8 *participating or detailed non-Department of State*
9 *personnel identified under paragraph (1).*

10 *(3) Negotiation of contracts, as appropriate,*
11 *with private sector representatives or other individ-*
12 *uals with relevant expertise to advance the objectives*
13 *specified in subsection (a).*

14 *(4) Development within the United States Gov-*
15 *ernment of—*

16 *(A) appropriate training curricula for rel-*
17 *evant experts identified under paragraph (1)*
18 *and for United States diplomatic personnel in a*
19 *country actually or potentially threatened by co-*
20 *ercive economic measures;*

21 *(B) operational procedures and appropriate*
22 *protocols for the rapid assembly of such experts*
23 *into one or more teams for deployment to a*
24 *country actually or potentially threatened by co-*
25 *ercive economic measures; and*

1 (C) procedures for ensuring appropriate
2 support for such teams when serving in a coun-
3 try actually or potentially threatened by coercive
4 economic measures, including, as applicable,
5 logistical assistance, office space, information
6 support, and communications.

7 (5) Negotiation with relevant potential host
8 countries of procedures and methods for ensuring the
9 rapid and effective deployment of such teams, and the
10 establishment of appropriate liaison relationships
11 with local public and private sector officials and enti-
12 ties.

13 (c) *REPORTS REQUIRED* .—

14 (1) *REPORT ON ESTABLISHMENT*.—Upon estab-
15 lishment of the pilot program required by subsection
16 (a), the Secretary of State shall provide the appro-
17 priate committees of Congress with a detailed report
18 and briefing describing the pilot program, the major
19 elements of the program, the personnel and institu-
20 tions involved, and the degree to which the program
21 incorporates the elements described in subsection (a).

22 (2) *FOLLOW-UP REPORT*.—Not later than one
23 year after the report required by paragraph (1), the
24 Secretary of State shall provide the appropriate com-
25 mittees of Congress with a detailed report and brief-

1 *ing describing the operations over the previous year*
2 *of the pilot program established pursuant to sub-*
3 *section (a), as well as the Secretary's assessment of its*
4 *performance and suitability for becoming a perma-*
5 *nent program.*

6 (3) *FORM.—Each report required under this sub-*
7 *section shall be submitted in unclassified form, but*
8 *may include a classified annex.*

9 (d) *DECLARATION OF AN ECONOMIC CRISIS RE-*
10 *QUIRED.—*

11 (1) *NOTIFICATION.—The President may activate*
12 *an economic defense response team for a period of 180*
13 *days under the authorities of this section to assist a*
14 *partner country in responding to an unusual and ex-*
15 *traordinary economic coercive threat by an adversary*
16 *of the United States upon the declaration of a coer-*
17 *cive economic emergency, together with notification to*
18 *the Committee on Foreign Relations of the Senate and*
19 *the Committee on Foreign Affairs of the House of*
20 *Representatives.*

21 (2) *EXTENSION AUTHORITY.—The President may*
22 *activate the response team for an additional 180 days*
23 *upon the submission of a detailed analysis to the com-*
24 *mittees described in paragraph (1) justifying why the*
25 *continued deployment of the economic defense re-*

1 *sponse team in response to the economic emergency is*
2 *in the national security interest of the United States.*

3 *(e) SUNSET.—The authorities provided under this sec-*
4 *tion shall expire on December 31, 2026.*

5 *(f) RULE OF CONSTRUCTION.—Neither the authority*
6 *to declare an economic crisis provided for in subsection (d),*
7 *nor the declaration of an economic crisis pursuant to sub-*
8 *section (d), shall confer or be construed to confer any au-*
9 *thority, power, duty, or responsibility to the President other*
10 *than the authority to activate an economic defense response*
11 *team as described in this section.*

12 *(g) APPROPRIATE COMMITTEES OF CONGRESS DE-*
13 *FINED.—In this section, the term “appropriate committees*
14 *of Congress” means—*

15 *(1) the Committee on Foreign Relations, the*
16 *Committee on Banking, Housing, and Urban Affairs,*
17 *the Committee on Commerce, Science, and Transpor-*
18 *tation, the Committee on Energy and Natural Re-*
19 *sources, the Committee on Agriculture, Nutrition, and*
20 *Forestry, and the Committee on Finance of the Sen-*
21 *ate; and*

22 *(2) the Committee on Foreign Affairs, the Com-*
23 *mittee on Financial Services, the Committee on En-*
24 *ergy and Commerce, the Committee on Agriculture,*

1 *and the Committee on Ways and Means of the House*
2 *of Representatives.*

3 **TITLE V—ENSURING STRATEGIC**
4 **SECURITY**

5 **SEC. 3501. FINDINGS ON STRATEGIC SECURITY AND ARMS**
6 **CONTROL.**

7 *Congress makes the following findings:*

8 (1) *The United States and the PRC have both*
9 *made commitments to advancing strategic security*
10 *through enforceable arms control and non-prolifera-*
11 *tion agreements as states parties to the Treaty on the*
12 *Non-Proliferation of Nuclear Weapons, done at Wash-*
13 *ington, London, and Moscow July 1, 1968.*

14 (2) *The United States has long taken tangible*
15 *steps to seek effective, verifiable, and enforceable arms*
16 *control and non-proliferation agreements that support*
17 *United States and allied security by—*

18 (A) *controlling the spread of nuclear mate-*
19 *rials and technology;*

20 (B) *placing limits on the production, stock-*
21 *piling, and deployment of nuclear weapons;*

22 (C) *decreasing misperception and mis-*
23 *calculation; and*

24 (D) *avoiding destabilizing nuclear arms*
25 *competition.*

1 (3) *In May 2019, Director of the Defense Intel-*
2 *ligence Agency Lieutenant General Robert Ashley*
3 *stated, “China is likely to at least double the size of*
4 *its nuclear stockpile in the course of implementing the*
5 *most rapid expansion and diversification of its nu-*
6 *clear arsenal in China’s history.”. The PLA is build-*
7 *ing a full triad of modernized fixed and mobile*
8 *ground-based launchers and new capabilities for nu-*
9 *clear-armed bombers and submarine-launched bal-*
10 *listic missiles.*

11 (4) *In June 2020, the Department of State*
12 *raised concerns in its annual “Adherence to and*
13 *Compliance with Arms Control, Nonproliferation, and*
14 *Disarmament Agreements and Commitments” report*
15 *to Congress that the PRC is not complying with the*
16 *“zero-yield” nuclear testing ban and accused the PRC*
17 *of “blocking the flow of data from the monitoring sta-*
18 *tions” in China.*

19 (5) *The Department of Defense 2020 Report on*
20 *Military and Security Developments Involving the*
21 *People’s Republic of China states that the PRC “in-*
22 *tends to increase peacetime readiness of its nuclear*
23 *forces by moving to a launch on warning posture*
24 *with an expanded silo-based force”.*

1 (6) *The Department of Defense report also states*
2 *that, over the next decade, the PRC’s nuclear stock-*
3 *pile—currently estimated in the low 200s—is pro-*
4 *jected to least double in size as the PRC expands and*
5 *modernizes its nuclear force.*

6 (7) *The PRC is conducting research on its first*
7 *potential early warning radar, with technical co-*
8 *operation from Russia. This radar could indicate that*
9 *the PRC is moving to a launch-on warning posture.*

10 (8) *The PRC plans to use its increasingly capa-*
11 *ble space, cyber, and electronic warfare capabilities*
12 *against United States early warning systems and*
13 *critical infrastructure in a crisis scenario. This poses*
14 *great risk to strategic security, as it could lead to in-*
15 *advertent escalation.*

16 (9) *The PRC’s nuclear expansion comes as a*
17 *part of a massive modernization of the PLA which,*
18 *combined with the PLA’s aggressive actions, has in-*
19 *creasingly destabilized the Indo-Pacific region.*

20 (10) *The PLA Rocket Force (PLARF), which*
21 *was elevated in 2015 to become a separate branch*
22 *within the PLA, has formed 11 new missile brigades*
23 *since May 2017, some of which are capable of both*
24 *conventional and nuclear strikes. Unlike the United*
25 *States, which separates its conventional strike and*

1 *nuclear capabilities, the PLARF appears to not only*
2 *co-locate conventional and nuclear forces, including*
3 *dual-use missiles like the DF-26, but to task the same*
4 *unit with both nuclear and conventional missions.*
5 *Such intermingling could lead to inadvertent esca-*
6 *lation in a crisis. The United States Defense Intel-*
7 *ligence Agency determined in March 2020 that the*
8 *PLA tested more ballistic missiles than the rest of the*
9 *world combined in 2019.*

10 (11) *A January 2021 report from the Institute*
11 *for Defense Analysis found that many United States*
12 *and international observers viewed China’s no first-*
13 *use policy with skepticism, especially in the wake of*
14 *the expansion and modernization of its nuclear capa-*
15 *bilities.*

16 (12) *The long-planned United States nuclear*
17 *modernization program will not increase the United*
18 *States nuclear weapons stockpile, predates China’s*
19 *conventional military and nuclear expansion, and is*
20 *not an arms race against China.*

21 (13) *The United States extended nuclear deter-*
22 *rence—*

23 (A) *provides critical strategic security*
24 *around the world;*

1 (B) is an essential element of United States
2 military alliances; and

3 (C) serves a vital non-proliferation func-
4 tion.

5 (14) As a signatory to the Treaty on the Non-
6 Proliferation of Nuclear Weapons, done at Wash-
7 ington, London, and Moscow July 1, 1968, the PRC
8 is obligated under Article Six of the treaty to pursue
9 arms control negotiations in good faith.

10 (15) The United States has, on numerous occa-
11 sions, called on the PRC to participate in strategic
12 arms control negotiations, but the PRC has thus far
13 declined.

14 (16) The Governments of Japan, the United
15 Kingdom, Poland, Slovenia, Denmark, Norway, Lat-
16 via, Lithuania, Estonia, the Netherlands, Romania,
17 Austria, Montenegro, Ukraine, Slovakia, Spain,
18 North Macedonia, Sweden, the Czech Republic, Cro-
19 atia, and Albania, as well as the Deputy Secretary
20 General of the North Atlantic Treaty Organization,
21 have all encouraged the PRC to join arms control dis-
22 cussions.

1 **SEC. 3502. COOPERATION ON A STRATEGIC NUCLEAR DIA-**
2 **LOGUE.**

3 (a) *STATEMENT OF POLICY.—It is the policy of the*
4 *United States—*

5 (1) *to pursue, in coordination with United*
6 *States allies, arms control negotiations and sustained*
7 *and regular engagement with the PRC—*

8 (A) *to enhance understanding of each oth-*
9 *er’s respective nuclear policies, doctrine, and ca-*
10 *pabilities;*

11 (B) *to improve transparency; and*

12 (C) *to help manage the risks of miscalcula-*
13 *tion and misperception;*

14 (2) *to formulate a strategy to engage the Govern-*
15 *ment of the People’s Republic of China on relevant bi-*
16 *lateral issues that lays the groundwork for bringing*
17 *the People’s Republic of China into an arms control*
18 *framework, including—*

19 (A) *fostering bilateral dialogue on arms*
20 *control leading to the convening of bilateral stra-*
21 *tegic security talks;*

22 (B) *negotiating norms for outer space;*

23 (C) *developing pre-launch notification re-*
24 *gimes aimed at reducing nuclear miscalculation;*

25 *and*

1 (D) expanding lines of communication be-
2 tween both governments for the purposes of re-
3 ducing the risks of conventional war and in-
4 creasing transparency;

5 (3) to pursue relevant capabilities in coordina-
6 tion with our allies and partners to ensure the secu-
7 rity of United States and allied interests in the face
8 of the PRC's military modernization and expansion,
9 including—

10 (A) ground-launched cruise and ballistic
11 missiles;

12 (B) integrated air and missile defense;

13 (C) hypersonic missiles;

14 (D) intelligence, surveillance, and recon-
15 naissance;

16 (E) space-based capabilities;

17 (F) cyber capabilities; and

18 (G) command, control, and communica-
19 tions;

20 (4) to maintain sufficient force structure, pos-
21 ture, and capabilities to provide extended nuclear de-
22 terrence to United States allies and partners;

23 (5) to maintain appropriate missile defense ca-
24 pabilities to protect against threats to the United
25 States homeland and our forces across the theater

1 *from rogue intercontinental ballistic missiles from the*
2 *Indo-Pacific region; and*

3 *(6) to ensure that the United States declaratory*
4 *policy reflects the requirements of extended deterrence,*
5 *to both assure allies and to preserve its non-prolifera-*
6 *tion benefits.*

7 *(b) SENSE OF CONGRESS.—It is the sense of Congress*
8 *that—*

9 *(1) in the midst of growing competition between*
10 *the United States and the PRC, it is in the interest*
11 *of both nations to cooperate in reducing risks of con-*
12 *ventional and nuclear escalation;*

13 *(2) a physical, cyber, electronic, or any other*
14 *PLA attack on United States early warning satellites,*
15 *other portions of the nuclear command and control*
16 *enterprise, or critical infrastructure poses a high risk*
17 *to inadvertent but rapid escalation;*

18 *(3) the United States and its allies should pro-*
19 *mote international norms on military operations in*
20 *space, the employment of cyber capabilities, and the*
21 *military use of artificial intelligence, as an element*
22 *of risk reduction regarding nuclear command and*
23 *control; and*

24 *(4) United States allies and partners should*
25 *share the burden of promoting and protecting such*

1 *hood of war, limit escalation if a conflict were to*
2 *occur, and constrain a destabilizing arms race in the*
3 *Indo-Pacific;*

4 (2) *how the United States Government can*
5 *incentivize the Government of the People's Republic of*
6 *China to engage in a constructive arms control dia-*
7 *logue;*

8 (3) *identifying strategic military capabilities of*
9 *the People's Republic of China that the United States*
10 *Government is most concerned about and how lim-*
11 *iting these capabilities may benefit United States and*
12 *allied security interests;*

13 (4) *mechanisms to avoid, manage, or control nu-*
14 *clear, conventional, and unconventional military es-*
15 *calation between the United States and the People's*
16 *Republic of China;*

17 (5) *the personnel and expertise required to effec-*
18 *tively engage the People's Republic of China in stra-*
19 *tegic stability and arms control dialogues; and*

20 (6) *opportunities and methods to encourage*
21 *transparency from the People's Republic of China.*

22 (b) *REPORT ON ARMS CONTROL TALKS WITH THE*
23 *RUSSIAN FEDERATION AND THE PEOPLE'S REPUBLIC OF*
24 *CHINA.—Not later than 180 days after the date of the enact-*
25 *ment of this Act, the Secretary of State, in consultation*

1 *with the Secretary of Defense and the Secretary of Energy,*
2 *shall submit to the appropriate committees of Congress a*
3 *report that describes—*

4 (1) *a concrete plan for arms control talks that*
5 *includes both the People’s Republic of China and the*
6 *Russian Federation;*

7 (2) *if a trilateral arms control dialogue does not*
8 *arise, what alternative plans the Department of State*
9 *envisages for ensuring the security of the United*
10 *States and its allies security from Russian and Chi-*
11 *nese nuclear weapons;*

12 (3) *effects on the credibility of United States ex-*
13 *tended deterrence assurances to allies and partners if*
14 *the United States is faced with two nuclear-armed*
15 *peer competitors and any likely corresponding impli-*
16 *cations for regional security architectures;*

17 (4) *efforts at engaging the People’s Republic of*
18 *China to join arms control talks, whether on a bilat-*
19 *eral or multilateral basis; and*

20 (5) *the interest level of the Government of the*
21 *People’s Republic of China in joining arms control*
22 *talks, whether on a bilateral or multilateral basis.*

23 (c) *APPROPRIATE COMMITTEES OF CONGRESS DE-*
24 *FINED.—In this section, the term “appropriate committees*
25 *of Congress” means—*

1 (1) *the Committee on Foreign Relations, the*
2 *Committee on Armed Services, and the Committee on*
3 *Energy and Natural Resources of the Senate; and*

4 (2) *the Committee on Foreign Affairs, the Com-*
5 *mittee on Armed Services, and the Committee on En-*
6 *ergy and Commerce of the House of Representatives.*

7 **SEC. 3504. COUNTERING THE PEOPLE'S REPUBLIC OF CHI-**
8 **NA'S PROLIFERATION OF BALLISTIC MIS-**
9 **SILES AND NUCLEAR TECHNOLOGY TO THE**
10 **MIDDLE EAST.**

11 (a) *FINDINGS.—Congress makes the following findings:*

12 (1) *The People's Republic of China became a full*
13 *participant of the Nuclear Suppliers Group in 2004,*
14 *committing it to apply a strong presumption of de-*
15 *denial in exporting nuclear-related items that a foreign*
16 *country could divert to a nuclear weapons program.*

17 (2) *The People's Republic of China also com-*
18 *mitted to the United States, in November 2000, to*
19 *abide by the foundational principles of the 1987 Mis-*
20 *sile Technology Control Regime (MTCR) to not “as-*
21 *sist, in any way, any country in the development of*
22 *ballistic missiles that can be used to deliver nuclear*
23 *weapons (i.e., missiles capable of delivering a payload*
24 *of at least 500 kilograms to a distance of at least 300*
25 *kilometers)”.*

1 (3) *The 2020 Department of State Report on the*
2 *Adherence to and Compliance with Arms Control,*
3 *Nonproliferation, and Disarmament Agreements and*
4 *Commitments found that the People’s Republic of*
5 *China “continued to supply MTCR-controlled goods*
6 *to missile programs of proliferation concern in 2019”*
7 *and that the United States imposed sanctions on nine*
8 *Chinese entities for covered missile transfers to Iran.*

9 (4) *A June 5, 2019, press report indicated that*
10 *the People’s Republic of China allegedly provided as-*
11 *sistance to Saudi Arabia in the development of a bal-*
12 *listic missile facility, which if confirmed, would vio-*
13 *late the purpose of the MTCR and run contrary to the*
14 *longstanding United States policy priority to prevent*
15 *weapons of mass destruction proliferation in the Mid-*
16 *dle East.*

17 (5) *The Arms Export and Control Act of 1976*
18 *(Public Law 93–329) requires the President to sanc-*
19 *tion any foreign person or government who knowingly*
20 *“exports, transfers, or otherwise engages in the trade*
21 *of any MTCR equipment or technology” to a country*
22 *that does not adhere to the MTCR.*

23 (6) *The People’s Republic of China concluded*
24 *two nuclear cooperation agreements with Saudi Ara-*
25 *bia in 2012 and 2017, respectively, which may facili-*

1 *tate the People’s Republic of China’s bid to build two*
2 *reactors in Saudi Arabia to generate 2.9 Gigawatt-*
3 *electric (GWe) of electricity.*

4 *(7) On August 4, 2020, a press report revealed*
5 *the alleged existence of a previously undisclosed ura-*
6 *anium yellowcake extraction facility in Saudi Arabia*
7 *allegedly constructed with the assistance of the Peo-*
8 *ple’s Republic of China, which if confirmed, would in-*
9 *dicade significant progress by Saudi Arabia in devel-*
10 *oping the early stages of the nuclear fuel cycle that*
11 *precede uranium enrichment.*

12 *(8) Saudi Arabia’s outdated Small Quantities*
13 *Protocol and its lack of an in-force Additional Pro-*
14 *tol to its International Atomic Energy Agency*
15 *(IAEA) Comprehensive Safeguards Agreement se-*
16 *verely curtails IAEA inspections, which has led the*
17 *Agency to call upon Saudi Arabia to either rescind*
18 *or update its Small Quantities Protocol.*

19 *(b) MTCR TRANSFERS.—Not later than 30 days after*
20 *the date of the enactment of this Act, the President shall*
21 *submit to the appropriate committees of Congress a written*
22 *determination, and any documentation to support that de-*
23 *termination detailing—*

24 *(1) whether any foreign person in the People’s*
25 *Republic of China knowingly exported, transferred, or*

1 *engaged in trade of any item designated under Cat-*
2 *egory I of the MTCR Annex to any foreign person in*
3 *the previous three fiscal years; and*

4 (2) *the sanctions the President has imposed or*
5 *intends to impose pursuant to section 11B(b) of the*
6 *Export Administration Act of 1979 (50 U.S.C.*
7 *4612(b)) against any foreign person who knowingly*
8 *engaged in the export, transfer, or trade of that item*
9 *or items.*

10 (c) *THE PEOPLE’S REPUBLIC OF CHINA’S NUCLEAR*
11 *FUEL CYCLE COOPERATION.*—*Not later than 30 days after*
12 *the date of the enactment of this Act, the President shall*
13 *submit to the appropriate committees of Congress a report*
14 *detailing—*

15 (1) *whether any foreign person in the People’s*
16 *Republic of China engaged in cooperation with any*
17 *other foreign person in the previous three fiscal years*
18 *in the construction of any nuclear-related fuel cycle*
19 *facility or activity that has not been notified to the*
20 *IAEA and would be subject to complementary access*
21 *if an Additional Protocol was in force; and*

22 (2) *the policy options required to prevent and re-*
23 *spond to any future effort by the People’s Republic of*
24 *China to export to any foreign person an item classi-*
25 *fied as “plants for the separation of isotopes of ura-*

1 *nium*” or “plants for the reprocessing of irradiated
2 nuclear reactor fuel elements” under Part 110 of the
3 Nuclear Regulatory Commission export licensing au-
4 thority.

5 (d) *FORM OF REPORT.*—The determination required
6 under subsection (b) and the report required under sub-
7 section (c) shall be unclassified with a classified annex.

8 (e) *DEFINITIONS.*—In this section:

9 (1) The term “appropriate committees of Con-
10 gress” means—

11 (A) the Select Committee on Intelligence of
12 the Senate;

13 (B) the Committee on Foreign Relations of
14 the Senate;

15 (C) the Select Committee on Intelligence of
16 the House of Representatives; and

17 (D) the Committee on Foreign Affairs of the
18 House of Representatives.

19 (2) *FOREIGN PERSON; PERSON.*—The terms “for-
20 eign person” and “person” mean—

21 (A) a natural person that is an alien;

22 (B) a corporation, business association,
23 partnership, society, trust, or any other non-
24 governmental entity, organization, or group, that
25 is organized under the laws of a foreign country

1 or has its principal place of business in a foreign
2 country;

3 (C) any foreign governmental entity oper-
4 ating as a business enterprise; and

5 (D) any successor, subunit, or subsidiary of
6 any entity described in subparagraph (B) or (C).

7 **DIVISION D—HOMELAND SECURITY AND GOVERNMENTAL**
8 **SECURITY AND GOVERNMENTAL**
9 **AFFAIRS COMMITTEE PROVI-**
10 **SIONS**

11 **SEC. 4001. SHORT TITLE; TABLE OF CONTENTS.**

12 (a) *SHORT TITLE.*—This division may be cited as the
13 “Securing America’s Future Act”.

14 (b) *TABLE OF CONTENTS.*—The table of contents for
15 this division is as follows:

*DIVISION D—HOMELAND SECURITY AND GOVERNMENTAL AFFAIRS
COMMITTEE PROVISIONS*

Sec. 4001. Short title; table of contents.

TITLE I—ENSURING DOMESTIC MANUFACTURING CAPABILITIES

Subtitle A—Build America, Buy America

Sec. 4101. Short title.

PART I—BUY AMERICA SOURCING REQUIREMENTS

Sec. 4111. Findings.

Sec. 4112. Definitions.

Sec. 4113. Identification of deficient programs.

Sec. 4114. Application of Buy America preference.

Sec. 4115. OMB guidance and standards.

*Sec. 4116. Technical assistance partnership and consultation supporting Depart-
ment of Transportation Buy America requirements.*

Sec. 4117. Application.

PART II—MAKE IT IN AMERICA

- Sec. 4121. Regulations relating to Buy American Act.*
Sec. 4122. Amendments relating to Buy American Act.
Sec. 4123. Made in America Office.
Sec. 4124. Hollings Manufacturing Extension Partnership activities.
Sec. 4125. United States obligations under international agreements.
Sec. 4126. Definitions.
Sec. 4127. Prospective amendments to internal cross-references.

Subtitle B—BuyAmerican.gov

- Sec. 4131. Short title.*
Sec. 4132. Definitions.
Sec. 4133. Sense of Congress on buying American.
Sec. 4134. Assessment of impact of free trade agreements.
Sec. 4135. Judicious use of waivers.
Sec. 4136. Establishment of BuyAmerican.gov website.
Sec. 4137. Waiver Transparency and Streamlining for contracts.
Sec. 4138. Comptroller General report.
Sec. 4139. Rules of construction.
Sec. 4140. Consistency with international agreements.
Sec. 4141. Prospective amendments to internal cross-references.

Subtitle C—Make PPE in America

- Sec. 4151. Short title.*
Sec. 4152. Findings.
Sec. 4153. Requirement of long-term contracts for domestically manufactured personal protective equipment.

TITLE II—CYBER AND ARTIFICIAL INTELLIGENCE

Subtitle A—Advancing American AI

- Sec. 4201. Short title.*
Sec. 4202. Purpose.
Sec. 4203. Definitions.
Sec. 4204. Principles and policies for use of artificial intelligence in Government.
Sec. 4205. Agency inventories and artificial intelligence use cases.
Sec. 4206. Rapid pilot, deployment and scale of applied artificial intelligence capabilities to demonstrate modernization activities related to use cases.
Sec. 4207. Enabling entrepreneurs and agency missions.

Subtitle B—Cyber Response and Recovery

- Sec. 4251. Short title.*
Sec. 4252. Declaration of a significant incident.

TITLE III—PERSONNEL

Subtitle A—Facilitating Federal Employee Reskilling

- Sec. 4301. Short title.*
Sec. 4302. Reskilling Federal employees.

Subtitle B—Federal Rotational Cyber Workforce Program

- Sec. 4351. Short title.*
- Sec. 4352. Definitions.*
- Sec. 4353. Rotational cyber workforce positions.*
- Sec. 4354. Rotational cyber workforce program.*
- Sec. 4355. Reporting by GAO.*
- Sec. 4356. Sunset.*

*TITLE IV—OTHER MATTERS**Subtitle A—Ensuring Security of Unmanned Aircraft Systems*

- Sec. 4401. Short title.*
- Sec. 4402. Definitions.*
- Sec. 4403. Prohibition on procurement of covered unmanned aircraft systems from covered foreign entities.*
- Sec. 4404. Prohibition on operation of covered unmanned aircraft systems from covered foreign entities.*
- Sec. 4405. Prohibition on use of Federal funds for purchases and operation of covered unmanned aircraft systems from covered foreign entities.*
- Sec. 4406. Prohibition on use of Government-issued Purchase Cards to purchase covered unmanned aircraft systems from covered foreign entities.*
- Sec. 4407. Management of existing inventories of covered unmanned aircraft systems from covered foreign entities.*
- Sec. 4408. Comptroller General report.*
- Sec. 4409. Government-wide policy for procurement of unmanned aircraft systems.*
- Sec. 4410. Study.*
- Sec. 4411. Sunset.*

Subtitle B—No TikTok on Government Devices

- Sec. 4431. Short title.*
- Sec. 4432. Prohibition on the use of TikTok.*

Subtitle C—National Risk Management

- Sec. 4461. Short title.*
- Sec. 4462. National risk management cycle.*

Subtitle D—Safeguarding American Innovation

- Sec. 4491. Short title.*
- Sec. 4492. Definitions.*
- Sec. 4493. Federal Research Security Council.*
- Sec. 4494. Federal grant application fraud.*
- Sec. 4495. Restricting the acquisition of emerging technologies by certain aliens.*
- Sec. 4496. Machine readable visa documents.*
- Sec. 4497. Certifications regarding access to export controlled technology in educational and cultural exchange programs.*
- Sec. 4498. Privacy and confidentiality.*

1 **TITLE I—ENSURING DOMESTIC**
2 **MANUFACTURING CAPABILITIES**
3 **Subtitle A—Build America, Buy**
4 **America**

5 **SEC. 4101. SHORT TITLE.**

6 *This subtitle may be cited as the “Build America, Buy*
7 *America Act”.*

8 **PART I—BUY AMERICA SOURCING**
9 **REQUIREMENTS**

10 **SEC. 4111. FINDINGS.**

11 *Congress finds that—*

12 (1) *the United States must make significant in-*
13 *vestments to install, upgrade, or replace the public*
14 *works infrastructure of the United States;*

15 (2) *with respect to investments in the infrastruc-*
16 *ture of the United States, taxpayers expect that their*
17 *public works infrastructure will be produced in the*
18 *United States by American workers;*

19 (3) *United States taxpayer dollars invested in*
20 *public infrastructure should not be used to reward*
21 *companies that have moved their operations, invest-*
22 *ment dollars, and jobs to foreign countries or foreign*
23 *factories, particularly those that do not share or open-*
24 *ly flout the commitments of the United States to envi-*
25 *ronmental, worker, and workplace safety protections;*

1 (4) *in procuring materials for public works*
2 *projects, entities using taxpayer-financed Federal as-*
3 *stance should give a commonsense procurement pref-*
4 *erence for the materials and products produced by*
5 *companies and workers in the United States in ac-*
6 *cordance with the high ideals embodied in the envi-*
7 *ronmental, worker, workplace safety, and other regu-*
8 *latory requirements of the United States;*

9 (5) *common construction materials used in pub-*
10 *lic works infrastructure projects, including steel, iron,*
11 *manufactured products, non-ferrous metals, plastic*
12 *and polymer-based products (including*
13 *polyvinylchloride, composite building materials, and*
14 *polymers used in fiber optic cables), concrete and*
15 *other aggregates, glass (including optic glass), lumber,*
16 *and drywall are not adequately covered by a domestic*
17 *content procurement preference, thus limiting the im-*
18 *port of taxpayer purchases to enhance supply chains*
19 *in the United States;*

20 (6) *the benefits of domestic content procurement*
21 *preferences extend beyond economics;*

22 (7) *by incentivizing domestic manufacturing, do-*
23 *mestic content procurement preferences reinvest tax*
24 *dollars in companies and processes using the highest*
25 *labor and environmental standards in the world;*

1 (8) *strong domestic content procurement pref-*
2 *erence policies act to prevent shifts in production to*
3 *countries that rely on production practices that are*
4 *significantly less energy efficient and far more pol-*
5 *luting than those in the United States;*

6 (9) *for over 75 years, Buy America and other do-*
7 *mestic content procurement preference laws have been*
8 *part of the United States procurement policy, ensur-*
9 *ing that the United States can build and rebuild the*
10 *infrastructure of the United States with high-quality*
11 *American-made materials;*

12 (10) *before the date of enactment of this Act, a*
13 *domestic content procurement preference requirement*
14 *may not apply, may apply only to a narrow scope*
15 *of products and materials, or may be limited by*
16 *waiver with respect to many infrastructure programs,*
17 *which necessitates a review of such programs, includ-*
18 *ing programs for roads, highways, and bridges, public*
19 *transportation, dams, ports, harbors, and other mari-*
20 *time facilities, intercity passenger and freight rail-*
21 *roads, freight and intermodal facilities, airports,*
22 *water systems, including drinking water and waste-*
23 *water systems, electrical transmission facilities and*
24 *systems, utilities, broadband infrastructure, and*
25 *buildings and real property;*

1 (11) *Buy America* laws create demand for do-
2 mestically produced goods, helping to sustain and
3 grow domestic manufacturing and the millions of jobs
4 domestic manufacturing supports throughout product
5 supply chains;

6 (12) as of the date of enactment of this Act, do-
7 mestic content procurement preference policies apply
8 to all Federal Government procurement and to var-
9 ious Federal-aid infrastructure programs;

10 (13) a robust domestic manufacturing sector is a
11 vital component of the national security of the United
12 States;

13 (14) as more manufacturing operations of the
14 United States have moved offshore, the strength and
15 readiness of the defense industrial base of the United
16 States has been diminished; and

17 (15) domestic content procurement preference
18 laws—

19 (A) are fully consistent with the inter-
20 national obligations of the United States; and

21 (B) together with the government procure-
22 ments to which the laws apply, are important le-
23 vers for ensuring that United States manufactur-
24 ers can access the government procurement mar-
25 kets of the trading partners of the United States.

1 **SEC. 4112. DEFINITIONS.**

2 *In this part:*

3 (1) *DEFICIENT PROGRAM.*—*The term “deficient*
4 *program” means a program identified by the head of*
5 *a Federal agency under section 4113(c).*

6 (2) *DOMESTIC CONTENT PROCUREMENT PREF-*
7 *ERENCE.*—*The term “domestic content procurement*
8 *preference” means a requirement that no amounts*
9 *made available through a program for Federal finan-*
10 *cial assistance may be obligated for a project unless—*

11 (A) *all iron and steel used in the project are*
12 *produced in the United States;*

13 (B) *the manufactured products used in the*
14 *project are produced in the United States; or*

15 (C) *the construction materials used in the*
16 *project are produced in the United States.*

17 (3) *FEDERAL AGENCY.*—*The term “Federal agen-*
18 *cy” means any authority of the United States that is*
19 *an “agency” (as defined in section 3502 of title 44,*
20 *United States Code), other than an independent regu-*
21 *latory agency (as defined in that section).*

22 (4) *FEDERAL FINANCIAL ASSISTANCE.*—

23 (A) *IN GENERAL.*—*The term “Federal fi-*
24 *nancial assistance” has the meaning given the*
25 *term in section 200.1 of title 2, Code of Federal*
26 *Regulations (or successor regulations).*

1 (B) *INCLUSION.*—The term “Federal finan-
2 cial assistance” includes all expenditures by a
3 Federal agency to a non-Federal entity for an
4 infrastructure project, except that it does not in-
5 clude expenditures for assistance authorized
6 under section 402, 403, 404, 406, 408, or 502 of
7 the Robert T. Stafford Disaster Relief and Emer-
8 gency Assistance Act (42 U.S.C. 5170a, 5170b,
9 5170c, 5172, 5174, or 5192) relating to a major
10 disaster or emergency declared by the President
11 under section 401 or 501, respectively, of such
12 Act (42 U.S.C. 5170, 5191) or pre and post dis-
13 aster or emergency response expenditures.

14 (5) *INFRASTRUCTURE.*—The term “infrastruc-
15 ture” includes, at a minimum, the structures, facili-
16 ties, and equipment for, in the United States—

17 (A) roads, highways, and bridges;

18 (B) public transportation;

19 (C) dams, ports, harbors, and other mari-
20 time facilities;

21 (D) intercity passenger and freight rail-
22 roads;

23 (E) freight and intermodal facilities;

24 (F) airports;

1 (G) *water systems, including drinking*
2 *water and wastewater systems;*

3 (H) *electrical transmission facilities and*
4 *systems;*

5 (I) *utilities;*

6 (J) *broadband infrastructure; and*

7 (K) *buildings and real property.*

8 (6) *PRODUCED IN THE UNITED STATES.*—*The*
9 *term “produced in the United States” means—*

10 (A) *in the case of iron or steel products,*
11 *that all manufacturing processes, from the ini-*
12 *tial melting stage through the application of*
13 *coatings, occurred in the United States;*

14 (B) *in the case of manufactured products,*
15 *that—*

16 (i) *the manufactured product was*
17 *manufactured in the United States; and*

18 (ii) *the cost of the components of the*
19 *manufactured product that are mined, pro-*
20 *duced, or manufactured in the United*
21 *States is greater than 55 percent of the total*
22 *cost of all components of the manufactured*
23 *product, unless another standard for deter-*
24 *mining the minimum amount of domestic*
25 *content of the manufactured product has*

1 *been established under applicable law or*
2 *regulation; and*

3 *(C) in the case of construction materials,*
4 *that all manufacturing processes for the con-*
5 *struction material occurred in the United States.*

6 (7) *PROJECT.*—*The term “project” means the*
7 *construction, alteration, maintenance, or repair of in-*
8 *frastructure in the United States.*

9 **SEC. 4113. IDENTIFICATION OF DEFICIENT PROGRAMS.**

10 (a) *IN GENERAL.*—*Not later than 60 days after the*
11 *date of enactment of this Act, the head of each Federal agen-*
12 *cy shall—*

13 (1) *submit to the Office of Management and*
14 *Budget and to Congress, including a separate notice*
15 *to each appropriate congressional committee, a report*
16 *that identifies each Federal financial assistance pro-*
17 *gram for infrastructure administered by the Federal*
18 *agency; and*

19 (2) *publish in the Federal Register the report*
20 *under paragraph (1).*

21 (b) *REQUIREMENTS.*—*In the report under subsection*
22 *(a), the head of each Federal agency shall, for each Federal*
23 *financial assistance program—*

1 (1) *identify all domestic content procurement*
2 *preferences applicable to the Federal financial assist-*
3 *ance;*

4 (2) *assess the applicability of the domestic con-*
5 *tent procurement preference requirements, includ-*
6 *ing—*

7 (A) *section 313 of title 23, United States*
8 *Code;*

9 (B) *section 5323(j) of title 49, United States*
10 *Code;*

11 (C) *section 22905(a) of title 49, United*
12 *States Code;*

13 (D) *section 50101 of title 49, United States*
14 *Code;*

15 (E) *section 603 of the Federal Water Pollu-*
16 *tion Control Act (33 U.S.C. 1388);*

17 (F) *section 1452(a)(4) of the Safe Drinking*
18 *Water Act (42 U.S.C. 300j–12(a)(4));*

19 (G) *section 5035 of the Water Infrastructure*
20 *Finance and Innovation Act of 2014 (33 U.S.C.*
21 *3914);*

22 (H) *any domestic content procurement pref-*
23 *erence included in an appropriations Act; and*

1 (I) any other domestic content procurement
2 preference in Federal law (including regula-
3 tions);

4 (3) provide details on any applicable domestic
5 content procurement preference requirement, includ-
6 ing the purpose, scope, applicability, and any excep-
7 tions and waivers issued under the requirement; and

8 (4) include a description of the type of infra-
9 structure projects that receive funding under the pro-
10 gram, including information relating to—

11 (A) the number of entities that are partici-
12 pating in the program;

13 (B) the amount of Federal funds that are
14 made available for the program for each fiscal
15 year; and

16 (C) any other information the head of the
17 Federal agency determines to be relevant.

18 (c) *LIST OF DEFICIENT PROGRAMS.*—In the report
19 under subsection (a), the head of each Federal agency shall
20 include a list of Federal financial assistance programs for
21 infrastructure identified under that subsection for which a
22 domestic content procurement preference requirement—

23 (1) does not apply in a manner consistent with
24 section 4114; or

1 (2) is subject to a waiver of general applicability
2 not limited to the use of specific products for use in
3 a specific project.

4 **SEC. 4114. APPLICATION OF BUY AMERICA PREFERENCE.**

5 (a) *IN GENERAL.*—Not later than 180 days after the
6 date of enactment of this Act, the head of each Federal agen-
7 cy shall ensure that none of the funds made available for
8 a Federal financial assistance program for infrastructure,
9 including each deficient program, may be obligated for a
10 project unless all of the iron, steel, manufactured products,
11 and construction materials used in the project are produced
12 in the United States.

13 (b) *WAIVER.*—The head of a Federal agency that ap-
14 plies a domestic content procurement preference under this
15 section may waive the application of that preference in any
16 case in which the head of the Federal agency finds that—

17 (1) applying the domestic content procurement
18 preference would be inconsistent with the public inter-
19 est;

20 (2) types of iron, steel, manufactured products,
21 or construction materials are not produced in the
22 United States in sufficient and reasonably available
23 quantities or of a satisfactory quality; or

24 (3) the inclusion of iron, steel, manufactured
25 products, or construction materials produced in the

1 *United States will increase the cost of the overall*
2 *project by more than 25 percent.*

3 *(c) WRITTEN JUSTIFICATION.—Before issuing a waiv-*
4 *er under subsection (b), the head of the Federal agency*
5 *shall—*

6 *(1) make publicly available in an easily acces-*
7 *sible location on a website designated by the Office of*
8 *Management and Budget and on the website of the*
9 *Federal agency a detailed written explanation for the*
10 *proposed determination to issue the waiver; and*

11 *(2) provide a period of not less than 15 days for*
12 *public comment on the proposed waiver.*

13 *(d) AUTOMATIC SUNSET ON WAIVERS OF GENERAL*
14 *APPLICABILITY.—*

15 *(1) IN GENERAL.—A general applicability waiv-*
16 *er issued under subsection (b) shall expire not later*
17 *than 2 years after the date on which the waiver is*
18 *issued.*

19 *(2) REISSUANCE.—The head of a Federal agency*
20 *may reissue a general applicability waiver only*
21 *after—*

22 *(A) publishing in the Federal Register a no-*
23 *tice that—*

24 *(i) describes the justification for reissu-*
25 *ing a general applicability waiver; and*

1 (ii) requests public comments for a pe-
2 riod of not less than 30 days; and

3 (B) publishing in the *Federal Register* a
4 second notice that—

5 (i) responds to the public comments re-
6 ceived in response to the first notice; and

7 (ii) provides the final decision on
8 whether the general applicability waiver
9 will be reissued.

10 (e) *CONSISTENCY WITH INTERNATIONAL AGREE-*
11 *MENTS.*—*This section shall be applied in a manner con-*
12 *sistent with United States obligations under international*
13 *agreements.*

14 **SEC. 4115. OMB GUIDANCE AND STANDARDS.**

15 (a) *GUIDANCE.*—*The Director of the Office of Manage-*
16 *ment and Budget shall—*

17 (1) *issue guidance to the head of each Federal*
18 *agency—*

19 (A) *to assist in identifying deficient pro-*
20 *grams under section 4113(c); and*

21 (B) *to assist in applying new domestic con-*
22 *tent procurement preferences under section 4114;*
23 *and*

24 (2) *if necessary, amend subtitle A of title 2, Code*
25 *of Federal Regulations (or successor regulations), to*

1 *ensure that domestic content procurement preference*
2 *requirements required by this part or other Federal*
3 *law are imposed through the terms and conditions of*
4 *awards of Federal financial assistance.*

5 ***(b) STANDARDS FOR CONSTRUCTION MATERIALS.—***

6 ***(1) IN GENERAL.—****Not later than 180 days after*
7 *the date of enactment of this Act, the Director of the*
8 *Office of Management and Budget shall issue stand-*
9 *ards that define the term “all manufacturing proc-*
10 *esses” in the case of construction materials.*

11 ***(2) CONSIDERATIONS.—****In issuing standards*
12 *under paragraph (1), the Director shall—*

13 ***(A)*** *ensure that the standards require that*
14 *each manufacturing process required for the*
15 *manufacture of the construction material and the*
16 *inputs of the construction material occurs in the*
17 *United States; and*

18 ***(B)*** *take into consideration and seek to*
19 *maximize the direct and indirect jobs benefited*
20 *or created in the production of the construction*
21 *material.*

1 **SEC. 4116. TECHNICAL ASSISTANCE PARTNERSHIP AND**
2 **CONSULTATION SUPPORTING DEPARTMENT**
3 **OF TRANSPORTATION BUY AMERICA RE-**
4 **QUIREMENTS.**

5 (a) *DEFINITIONS.—In this section:*

6 (1) *BUY AMERICA LAW.—The term “Buy Amer-*
7 *ica law” means—*

8 (A) *section 313 of title 23, United States*
9 *Code;*

10 (B) *section 5323(j) of title 49, United States*
11 *Code;*

12 (C) *section 22905(a) of title 49, United*
13 *States Code;*

14 (D) *section 50101 of title 49, United States*
15 *Code; and*

16 (E) *any other domestic content procurement*
17 *preference for an infrastructure project under the*
18 *jurisdiction of the Secretary.*

19 (2) *SECRETARY.—The term “Secretary” means*
20 *the Secretary of Transportation.*

21 (b) *TECHNICAL ASSISTANCE PARTNERSHIP.—Not later*
22 *than 90 days after the date of the enactment of this Act,*
23 *the Secretary shall enter into a technical assistance part-*
24 *nership with the Secretary of Commerce, acting through the*
25 *Director of the National Institute of Standards and Tech-*
26 *nology—*

1 (1) *to ensure the development of a domestic sup-*
2 *ply base to support intermodal transportation in the*
3 *United States, such as intercity high speed rail trans-*
4 *portation, public transportation systems, highway*
5 *construction or reconstruction, airport improvement*
6 *projects, and other infrastructure projects under the*
7 *jurisdiction of the Secretary;*

8 (2) *to ensure compliance with Buy America laws*
9 *that apply to a project that receives assistance from*
10 *the Federal Highway Administration, the Federal*
11 *Transit Administration, the Federal Railroad Ad-*
12 *ministration, the Federal Aviation Administration, or*
13 *another office or modal administration of the Sec-*
14 *retary of Transportation;*

15 (3) *to encourage technologies developed with the*
16 *support of and resources from the Secretary to be*
17 *transitioned into commercial market and applica-*
18 *tions; and*

19 (4) *to establish procedures for consultation under*
20 *subsection (c).*

21 (c) *CONSULTATION.*—*Before granting a written waiver*
22 *under a Buy America law, the Secretary shall consult with*
23 *the Director of the Hollings Manufacturing Extension Part-*
24 *nership regarding whether there is a domestic entity that*

1 *could provide the iron, steel, manufactured product, or con-*
2 *struction material that is the subject of the proposed waiver.*

3 *(d) ANNUAL REPORT.—Not later than 1 year after the*
4 *date of enactment of this Act, and annually thereafter, the*
5 *Secretary shall submit to the Committee on Commerce,*
6 *Science, and Transportation, the Committee on Banking,*
7 *Housing, and Urban Affairs, the Committee on Environ-*
8 *ment and Public Works, and the Committee on Homeland*
9 *Security and Governmental Affairs of the Senate and the*
10 *Committee on Transportation and Infrastructure and the*
11 *Committee on Oversight and Reform of the House of Rep-*
12 *resentatives a report that includes—*

13 *(1) a detailed description of the consultation pro-*
14 *cedures developed under subsection (b)(4);*

15 *(2) a detailed description of each waiver re-*
16 *quested under a Buy America law in the preceding*
17 *year that was subject to consultation under subsection*
18 *(c), and the results of the consultation;*

19 *(3) a detailed description of each waiver granted*
20 *under a Buy America law in the preceding year, in-*
21 *cluding the type of waiver and the reasoning for*
22 *granting the waiver; and*

23 *(4) an update on challenges and gaps in the do-*
24 *mestic supply base identified in carrying out sub-*
25 *section (b)(1), including a list of actions and policy*

1 *changes the Secretary recommends be taken to address*
2 *those challenges and gaps.*

3 **SEC. 4117. APPLICATION.**

4 *(a) IN GENERAL.—This part shall apply to a Federal*
5 *financial assistance program for infrastructure only to the*
6 *extent that a domestic content procurement preference as*
7 *described in section 4114 does not already apply to iron,*
8 *steel, manufactured products, and construction materials.*

9 *(b) SAVINGS PROVISION.—Nothing in this part affects*
10 *a domestic content procurement preference for a Federal fi-*
11 *nancial assistance program for infrastructure that is in ef-*
12 *fect and that meets the requirements of section 4114.*

13 **PART II—MAKE IT IN AMERICA**

14 **SEC. 4121. REGULATIONS RELATING TO BUY AMERICAN**
15 **ACT.**

16 *(a) IN GENERAL.—Not later than 1 year after the date*
17 *of the enactment of this Act, the Director of the Office of*
18 *Management and Budget (“Director”), acting through the*
19 *Administrator for Federal Procurement Policy and, in con-*
20 *sultation with the Federal Acquisition Regulatory Council,*
21 *shall promulgate final regulations or other policy or man-*
22 *agement guidance, as appropriate, to standardize and sim-*
23 *plify how Federal agencies comply with, report on, and en-*
24 *force the Buy American Act. The regulations or other policy*

1 *or management guidance shall include, at a minimum, the*
2 *following:*

3 (1) *Guidelines for Federal agencies to determine,*
4 *for the purposes of applying sections 8302(a) and*
5 *8303(b)(3) of title 41, United States Code, the cir-*
6 *cumstances under which the acquisition of articles,*
7 *materials, or supplies mined, produced, or manufac-*
8 *tured in the United States is inconsistent with the*
9 *public interest.*

10 (2) *Guidelines to ensure Federal agencies base*
11 *determinations of non-availability on appropriate*
12 *considerations, including anticipated project delays*
13 *and lack of substitutable articles, materials, and sup-*
14 *plies mined, produced, or manufactured in the United*
15 *States, when making determinations of non-avail-*
16 *ability under section 8302(a)(1) of title 41, United*
17 *States Code.*

18 (3)(A) *Uniform procedures for each Federal*
19 *agency to make publicly available, in an easily iden-*
20 *tifiable location on the website of the agency, and*
21 *within the following time periods, the following infor-*
22 *mation:*

23 (i) *A written description of the cir-*
24 *cumstances in which the head of the agency may*
25 *waive the requirements of the Buy American Act.*

1 (ii) *Each waiver made by the head of the*
2 *agency within 30 days after making such waiv-*
3 *er, including a justification with sufficient detail*
4 *to explain the basis for the waiver.*

5 (B) *The procedures established under this para-*
6 *graph shall ensure that the head of an agency, in con-*
7 *sultation with the head of the Made in America Office*
8 *established under section 4123(a), may limit the pub-*
9 *lication of classified information, trade secrets, or*
10 *other information that could damage the United*
11 *States.*

12 (4) *Guidelines for Federal agencies to ensure that*
13 *a project is not disaggregated for purposes of avoiding*
14 *the applicability of the requirements under the Buy*
15 *American Act.*

16 (5) *An increase to the price preferences for do-*
17 *mestic end products and domestic construction mate-*
18 *rials.*

19 (6) *Amending the definitions of “domestic end*
20 *product” and “domestic construction material” to en-*
21 *sure that iron and steel products are, to the greatest*
22 *extent possible, made with domestic components.*

23 (b) *GUIDELINES RELATING TO WAIVERS.—*

24 (1) *INCONSISTENCY WITH PUBLIC INTEREST.—*

1 (A) *IN GENERAL.*—*With respect to the*
2 *guidelines developed under subsection (a)(1), the*
3 *Administrator shall seek to minimize waivers re-*
4 *lated to contract awards that—*

5 (i) *result in a decrease in employment*
6 *in the United States, including employment*
7 *among entities that manufacture the arti-*
8 *cles, materials, or supplies; or*

9 (ii) *result in awarding a contract that*
10 *would decrease domestic employment.*

11 (B) *COVERED EMPLOYMENT.*—*For purposes*
12 *of subparagraph (A), employment refers to posi-*
13 *tions directly involved in the manufacture of ar-*
14 *ticles, materials, or supplies, and does not in-*
15 *clude positions related to management, research*
16 *and development, or engineering and design.*

17 (2) *ASSESSMENT ON USE OF DUMPED OR SUB-*
18 *SIDIZED FOREIGN PRODUCTS.*—

19 (A) *IN GENERAL.*—*To the extent otherwise*
20 *permitted by law, before granting a waiver in*
21 *the public interest to the guidelines developed*
22 *under subsection (a)(1) with respect to a product*
23 *sourced from a foreign country, a Federal agency*
24 *shall assess whether a significant portion of the*
25 *cost advantage of the product is the result of the*

1 *use of dumped steel, iron, or manufactured goods*
2 *or the use of injuriously subsidized steel, iron, or*
3 *manufactured goods.*

4 (B) *CONSULTATION.*—*The Federal agency*
5 *conducting the assessment under subparagraph*
6 *(A) shall consult with the International Trade*
7 *Administration in making the assessment if the*
8 *agency considers such consultation to be helpful.*

9 (C) *USE OF FINDINGS.*—*The Federal agency*
10 *conducting the assessment under subparagraph*
11 *(A) shall integrate any findings from the assess-*
12 *ment into its waiver determination.*

13 (c) *SENSE OF CONGRESS ON INCREASING DOMESTIC*
14 *CONTENT REQUIREMENTS.*—*It is the sense of Congress that*
15 *the Federal Acquisition Regulatory Council should amend*
16 *the Federal Acquisition Regulation to increase the domestic*
17 *content requirements for domestic end products and domes-*
18 *tic construction material to 75 percent, or, in the event of*
19 *no qualifying offers, 60 percent.*

20 (d) *DEFINITION OF END PRODUCT MANUFACTURED IN*
21 *THE UNITED STATES.*—*Not later than 1 year after the date*
22 *of the enactment of this Act, the Federal Acquisition Regu-*
23 *latory Council shall amend part 25 of the Federal Acquisi-*
24 *tion Regulation to provide a definition for “end product*
25 *manufactured in the United States,” including guidelines*

1 *to ensure that manufacturing processes involved in produc-*
2 *tion of the end product occur domestically.*

3 **SEC. 4122. AMENDMENTS RELATING TO BUY AMERICAN**
4 **ACT.**

5 *(a) SPECIAL RULES RELATING TO AMERICAN MATE-*
6 *RIALS REQUIRED FOR PUBLIC USE.—Section 8302 of title*
7 *41, United States Code, is amended by adding at the end*
8 *the following new subsection:*

9 *“(c) SPECIAL RULES.—The following rules apply in*
10 *carrying out the provisions of subsection (a):*

11 *“(1) IRON AND STEEL MANUFACTURED IN THE*
12 *UNITED STATES.—For purposes of this section, manu-*
13 *factured articles, materials, and supplies of iron and*
14 *steel are deemed manufactured in the United States*
15 *only if all manufacturing processes involved in the*
16 *production of such iron and steel, from the initial*
17 *melting stage through the application of coatings, oc-*
18 *curs in the United States.*

19 *“(2) LIMITATION ON EXCEPTION FOR COMMER-*
20 *CIALY AVAILABLE OFF-THE-SHELF ITEMS.—Notwith-*
21 *standing any law or regulation to the contrary, in-*
22 *cluding section 1907 of this title and the Federal Ac-*
23 *quisition Regulation, the requirements of this section*
24 *apply to all iron and steel articles, materials, and*
25 *supplies.”.*

1 **(b) PRODUCTION OF IRON AND STEEL FOR PURPOSES**
2 **OF CONTRACTS FOR PUBLIC WORKS.**—Section 8303 of title
3 41, United States Code, is amended—

4 (1) by redesignating subsection (c) as subsection
5 (d); and

6 (2) by inserting after subsection (b) the following
7 new subsection:

8 “(c) **SPECIAL RULES.**—

9 “(1) **PRODUCTION OF IRON AND STEEL.**—For
10 purposes of this section, manufactured articles, mate-
11 rials, and supplies of iron and steel are deemed man-
12 ufactured in the United States only if all manufac-
13 turing processes involved in the production of such
14 iron and steel, from the initial melting stage through
15 the application of coatings, occurs in the United
16 States.

17 “(2) **LIMITATION ON EXCEPTION FOR COMMER-**
18 **CIALLY AVAILABLE OFF-THE-SHELF ITEMS.**—Notwith-
19 standing any law or regulation to the contrary, in-
20 cluding section 1907 of this title and the Federal Ac-
21 quisition Regulation, the requirements of this section
22 apply to all iron and steel articles, materials, and
23 supplies used in contracts described in subsection
24 (a).”.

1 (c) *ANNUAL REPORT.*—Subsection (b) of section 8302
2 of title 41, United States Code, is amended to read as fol-
3 lows:

4 “(b) *REPORTS.*—

5 “(1) *IN GENERAL.*—Not later than 180 days
6 after the end of the fiscal year during which the *Build*
7 *America, Buy America Act* is enacted, and annually
8 thereafter for 4 years, the Director of the Office of
9 Management and Budget, in consultation with the
10 Administrator of General Services, shall submit to the
11 Committee on Homeland Security and Governmental
12 Affairs of the Senate and the Committee on Oversight
13 and Reform of the House of Representatives a report
14 on the total amount of acquisitions made by Federal
15 agencies in the relevant fiscal year of articles, mate-
16 rials, or supplies acquired from entities that mine,
17 produce, or manufacture the articles, materials, or
18 supplies outside the United States.

19 “(2) *EXCEPTION FOR INTELLIGENCE COMMU-*
20 *NITY.*—This subsection does not apply to acquisitions
21 made by an agency, or component of an agency, that
22 is an element of the intelligence community as speci-
23 fied in, or designated under, section 3 of the *National*
24 *Security Act of 1947 (50 U.S.C. 3003).*”.

1 (d) *DEFINITION.*—Section 8301 of title 41, United
2 States Code, is amended by adding at the end the following
3 new paragraph:

4 “(3) *FEDERAL AGENCY.*—The term ‘Federal
5 agency’ has the meaning given the term ‘executive
6 agency’ in section 133 of this title.”.

7 (e) *CONFORMING AMENDMENTS.*—Title 41, United
8 States Code, is amended—

9 (1) in section 8302(a)—

10 (A) in paragraph (1)—

11 (i) by striking “department or inde-
12 pendent establishment” and inserting “Fed-
13 eral agency”; and

14 (ii) by striking “their acquisition to be
15 inconsistent with the public interest or their
16 cost to be unreasonable” and inserting
17 “their acquisition to be inconsistent with
18 the public interest, their cost to be unrea-
19 sonable, or that the articles, materials, or
20 supplies of the class or kind to be used, or
21 the articles, materials, or supplies from
22 which they are manufactured, are not
23 mined, produced, or manufactured in the
24 United States in sufficient and reasonably

1 *available commercial quantities and of a*
2 *satisfactory quality*”; and

3 *(B) in paragraph (2), by amending sub-*
4 *paragraph (B) to read as follows:*

5 *“(B) to any articles, materials, or supplies*
6 *procured pursuant to a reciprocal defense pro-*
7 *curement memorandum of understanding (as de-*
8 *scribed in section 8304 of this title), or a trade*
9 *agreement or least developed country designation*
10 *described in subpart 25.400 of the Federal Acqui-*
11 *sition Regulation; and”*; and

12 *(2) in section 8303—*

13 *(A) in subsection (b)—*

14 *(i) by striking “department or inde-*
15 *pendent establishment” each place it ap-*
16 *pears and inserting “Federal agency”;*

17 *(ii) by amending subparagraph (B) of*
18 *paragraph (1) to read as follows:*

19 *“(B) to any articles, materials, or supplies*
20 *procured pursuant to a reciprocal defense pro-*
21 *curement memorandum of understanding (as de-*
22 *scribed in section 8304), or a trade agreement or*
23 *least developed country designation described in*
24 *subpart 25.400 of the Federal Acquisition Regu-*
25 *lation; and”*; and

1 (iii) in paragraph (3)—

2 (I) in the heading, by striking
3 “INCONSISTENT WITH PUBLIC INTER-
4 EST” and inserting “WAIVER AUTHOR-
5 ITY”; and

6 (II) by striking “their purchase to
7 be inconsistent with the public interest
8 or their cost to be unreasonable” and
9 inserting “their acquisition to be in-
10 consistent with the public interest,
11 their cost to be unreasonable, or that
12 the articles, materials, or supplies of
13 the class or kind to be used, or the arti-
14 cles, materials, or supplies from which
15 they are manufactured, are not mined,
16 produced, or manufactured in the
17 United States in sufficient and reason-
18 ably available commercial quantities
19 and of a satisfactory quality”; and

20 (B) in subsection (d), as redesignated by
21 subsection (b)(1) of this section, by striking “de-
22 partment, bureau, agency, or independent estab-
23 lishment” each place it appears and inserting
24 “Federal agency”.

1 (f) *EXCLUSION FROM INFLATION ADJUSTMENT OF AC-*
2 *QUISITION-RELATED DOLLAR THRESHOLDS.*—Subpara-
3 *graph (A) of section 1908(b)(2) of title 41, United States*
4 *Code, is amended by striking “chapter 67” and inserting*
5 *“chapters 67 and 83”.*

6 **SEC. 4123. MADE IN AMERICA OFFICE.**

7 (a) *ESTABLISHMENT.*—*The Director of the Office of*
8 *Management and Budget shall establish within the Office*
9 *of Management and Budget an office to be known as the*
10 *“Made in America Office”. The head of the office shall be*
11 *appointed by the Director of the Office of Management and*
12 *Budget (in this section referred to as the “Made in America*
13 *Director”).*

14 (b) *DUTIES.*—*The Made in America Director shall*
15 *have the following duties:*

16 (1) *Maximize and enforce compliance with do-*
17 *mestic preference statutes.*

18 (2) *Develop and implement procedures to review*
19 *waiver requests or inapplicability requests related to*
20 *domestic preference statutes.*

21 (3) *Prepare the reports required under sub-*
22 *sections (c) and (e).*

23 (4) *Ensure that Federal contracting personnel,*
24 *financial assistance personnel, and non-Federal re-*
25 *cipients are regularly trained on obligations under*

1 *the Buy American Act and other agency-specific do-*
2 *mestic preference statutes.*

3 (5) *Conduct the review of reciprocal defense*
4 *agreements required under subsection (d).*

5 (6) *Ensure that Federal agencies, Federal finan-*
6 *cial assistance recipients, and the Hollings Manufac-*
7 *turing Extension Partnership partner with each other*
8 *to promote compliance with domestic preference stat-*
9 *utes.*

10 (7) *Support executive branch efforts to develop*
11 *and sustain a domestic supply base to meet Federal*
12 *procurement requirements.*

13 (c) *OFFICE OF MANAGEMENT AND BUDGET REPORT.—*
14 *Not later than 1 year after the date of the enactment of*
15 *this Act, the Director of the Office of Management and*
16 *Budget, working through the Made in America Director,*
17 *shall report to the relevant congressional committees on the*
18 *extent to which, in each of the three fiscal years prior to*
19 *the date of enactment of this Act, articles, materials, or sup-*
20 *plies acquired by the Federal Government were mined, pro-*
21 *duced, or manufactured outside the United States. Such re-*
22 *port shall include for each Federal agency the following:*

23 (1) *A summary of total procurement funds ex-*
24 *pended on articles, materials, and supplies mined,*
25 *produced, or manufactured—*

1 (A) *inside the United States;*

2 (B) *outside the United States; and*

3 (C) *outside the United States—*

4 (i) *under each category of waiver*
5 *under the Buy American Act;*

6 (ii) *under each category of exception*
7 *under such chapter; and*

8 (iii) *for each country that mined, pro-*
9 *duced, or manufactured such articles, mate-*
10 *rials, and supplies.*

11 (2) *For each fiscal year covered by the report—*

12 (A) *the dollar value of any articles, mate-*
13 *rials, or supplies that were mined, produced, or*
14 *manufactured outside the United States, in the*
15 *aggregate and by country;*

16 (B) *an itemized list of all waivers made*
17 *under the Buy American Act with respect to ar-*
18 *ticles, materials, or supplies, where available,*
19 *and the country where such articles, materials,*
20 *or supplies were mined, produced, or manufac-*
21 *tured;*

22 (C) *if any articles, materials, or supplies*
23 *were acquired from entities that mine, produce,*
24 *or manufacture such articles, materials, or sup-*
25 *plies outside the United States due to an excep-*

1 tion (that is not the micro-purchase threshold ex-
2 ception described under section 8302(a)(2)(C) of
3 title 41, United States Code), the specific excep-
4 tion that was used to purchase such articles, ma-
5 terials, or supplies; and

6 (D) if any articles, materials, or supplies
7 were acquired from entities that mine, produce,
8 or manufacture such articles, materials, or sup-
9 plies outside the United States pursuant to a re-
10 ciprocal defense procurement memorandum of
11 understanding (as described in section 8304 of
12 title 41, United States Code), or a trade agree-
13 ment or least developed country designation de-
14 scribed in subpart 25.400 of the Federal Acquisi-
15 tion Regulation, a citation to such memorandum
16 of understanding, trade agreement, or designa-
17 tion.

18 (3) A description of the methods used by each
19 Federal agency to calculate the percentage domestic
20 content of articles, materials, and supplies mined,
21 produced, or manufactured in the United States.

22 (d) *REVIEW OF RECIPROCAL DEFENSE AGREE-*
23 *MENTS.—*

24 (1) *REVIEW OF PROCESS.—*Not later than 180
25 days after the date of the enactment of this Act, the

1 *Made in America Director shall review the Depart-*
2 *ment of Defense’s use of reciprocal defense agreements*
3 *to determine if domestic entities have equal and pro-*
4 *portional access and report the findings of the review*
5 *to the Director of the Office of Management and*
6 *Budget, the Secretary of Defense, and the Secretary of*
7 *State.*

8 (2) *REVIEW OF RECIPROCAL PROCUREMENT*
9 *MEMORANDA OF UNDERSTANDING.—The Made in*
10 *America Director shall review reciprocal procurement*
11 *memoranda of understanding entered into after the*
12 *date of the enactment of this Act between the Depart-*
13 *ment of Defense and its counterparts in foreign gov-*
14 *ernments to assess whether domestic entities will have*
15 *equal and proportional access under the memoranda*
16 *of understanding and report the findings of the review*
17 *to the Director of the Office of Management and*
18 *Budget, the Secretary of Defense, and the Secretary of*
19 *State.*

20 (e) *REPORT ON USE OF MADE IN AMERICA LAWS.—*
21 *The Made in America Director shall submit to the relevant*
22 *congressional committees a summary of each report on the*
23 *use of Made in America Laws received by the Made in*
24 *America Director pursuant to section 11 of Executive Order*
25 *14005, dated January 25, 2021 (relating to ensuring the*

1 *future is made in all of America by all of America’s work-*
2 *ers) not later than 90 days after the date of the enactment*
3 *of this Act or receipt of the reports required under section*
4 *11 of such Executive Order, whichever is later.*

5 (f) *DOMESTIC PREFERENCE STATUTE DEFINED.—In*
6 *this section, the term “domestic preference statute” means*
7 *any of the following:*

8 (1) *the Buy American Act;*

9 (2) *a Buy America law (as that term is defined*
10 *in section 4116(a));*

11 (3) *the Berry Amendment;*

12 (4) *section 604 of the American Recovery and*
13 *Reinvestment Act of 2009 (6 U.S.C. 453b) (commonly*
14 *referred to as the “Kissell amendment”);*

15 (5) *section 2533b of title 10 (commonly referred*
16 *to as the “specialty metals clause”);*

17 (6) *laws requiring domestic preference for mari-*
18 *time transport, including the Merchant Marine Act,*
19 *1920 (Public Law 66–261), commonly known as the*
20 *“Jones Act”; and*

21 (7) *any other law, regulation, rule, or executive*
22 *order relating to Federal financial assistance awards*
23 *or Federal procurement, that requires, or provides a*
24 *preference for, the purchase or acquisition of goods,*
25 *products, or materials produced in the United States,*

1 **SEC. 4126. DEFINITIONS.**

2 *In this part:*

3 (1) *BERRY AMENDMENT.*—*The term “Berry*
4 *Amendment” means section 2533a of title 10, United*
5 *States Code.*

6 (2) *BUY AMERICAN ACT.*—*The term “Buy Amer-*
7 *ican Act” means chapter 83 of title 41, United States*
8 *Code.*

9 (3) *FEDERAL AGENCY.*—*The term “Federal agen-*
10 *cy” has the meaning given the term “executive agen-*
11 *cy” in section 133 of title 41, United States Code.*

12 (4) *RELEVANT CONGRESSIONAL COMMITTEES.*—
13 *The term “relevant congressional committees”*
14 *means—*

15 (A) *the Committee on Homeland Security*
16 *and Governmental Affairs, the Committee on*
17 *Commerce, Science, and Transportation, the*
18 *Committee on Environment and Public Works,*
19 *the Committee on Banking, Housing, and Urban*
20 *Affairs, and the Committee on Armed Services of*
21 *the Senate; and*

22 (B) *the Committee on Oversight and Re-*
23 *form, the Committee on Armed Services, and the*
24 *Committee on Transportation and Infrastructure*
25 *of the House of Representatives.*

1 (5) *WAIVER.*—*The term “waiver”, with respect*
2 *to the acquisition of an article, material, or supply*
3 *for public use, means the inapplicability of chapter*
4 *83 of title 41, United States Code, to the acquisition*
5 *by reason of any of the following determinations*
6 *under section 8302(a)(1) or 8303(b) of such title:*

7 (A) *A determination by the head of the Fed-*
8 *eral agency concerned that the acquisition is in-*
9 *consistent with the public interest.*

10 (B) *A determination by the head of the Fed-*
11 *eral agency concerned that the cost of the acqui-*
12 *sition is unreasonable.*

13 (C) *A determination by the head of the Fed-*
14 *eral agency concerned that the article, material,*
15 *or supply is not mined, produced, or manufac-*
16 *tured in the United States in sufficient and rea-*
17 *sonably available commercial quantities of a sat-*
18 *isfactory quality.*

19 **SEC. 4127. PROSPECTIVE AMENDMENTS TO INTERNAL**
20 **CROSS-REFERENCES.**

21 (a) *SPECIALTY METALS CLAUSE REFERENCE.*—*Sec-*
22 *tion 4123(f)(5) is amended by striking “section 2533b” and*
23 *inserting “section 4863”.*

1 (b) *BERRY AMENDMENT REFERENCE.*—Section
2 4126(1) is amended by striking “section 2533a” and insert-
3 ing “section 4862”.

4 (c) *EFFECTIVE DATE.*—The amendments made by this
5 section shall take effect on January 1, 2022.

6 ***Subtitle B—BuyAmerican.gov***

7 ***SEC. 4131. SHORT TITLE.***

8 *This subtitle may be cited as the “BuyAmerican.gov*
9 *Act of 2021”.*

10 ***SEC. 4132. DEFINITIONS.***

11 *In this subtitle:*

12 (1) *BUY AMERICAN LAW.*—The term “Buy Amer-
13 *ican law” means any law, regulation, Executive*
14 *order, or rule relating to Federal contracts, grants, or*
15 *financial assistance that requires or provides a pref-*
16 *erence for the purchase or use of goods, products, or*
17 *materials mined, produced, or manufactured in the*
18 *United States, including—*

19 (A) *chapter 83 of title 41, United States*
20 *Code (commonly referred to as the “Buy Amer-*
21 *ican Act”);*

22 (B) *section 5323(j) of title 49, United States*
23 *Code;*

24 (C) *section 313 of title 23, United States*
25 *Code;*

1 (D) section 50101 of title 49, United States
2 Code;

3 (E) section 24405 of title 49, United States
4 Code;

5 (F) section 608 of the Federal Water Pollu-
6 tion Control Act (33 U.S.C. 1388);

7 (G) section 1452(a)(4) of the Safe Drinking
8 Water Act (42 U.S.C. 300j-12(a)(4));

9 (H) section 5035 of the Water Resources Re-
10 form and Development Act of 2014 (33 U.S.C.
11 3914);

12 (I) section 2533a of title 10, United States
13 Code (commonly referred to as the “Berry
14 Amendment”); and

15 (J) section 2533b of title 10, United States
16 Code.

17 (2) *EXECUTIVE AGENCY*.—The term “executive
18 agency” has the meaning given the term “agency” in
19 paragraph (1) of section 3502 of title 44, United
20 States Code, except that it does not include an inde-
21 pendent regulatory agency, as that term is defined in
22 paragraph (5) of such section.

23 (3) *BUY AMERICAN WAIVER*.—The term “Buy
24 American waiver” refers to an exception to or waiver
25 of any Buy American law, or the terms and condi-

1 *the World Trade Organization Agreement on Government*
2 *Procurement, and Federal permitting processes on the oper-*
3 *ation of Buy American laws, including their impacts on*
4 *the implementation of domestic procurement preferences.*

5 **SEC. 4135. JUDICIOUS USE OF WAIVERS.**

6 (a) *IN GENERAL.*—*To the extent permitted by law, a*
7 *Buy American waiver that is determined by an agency*
8 *head or other relevant official to be in the public interest*
9 *shall be construed to ensure the maximum utilization of*
10 *goods, products, and materials produced in the United*
11 *States.*

12 (b) *PUBLIC INTEREST WAIVER DETERMINATIONS.*—*To*
13 *the extent permitted by law, determination of public inter-*
14 *est waivers shall be made by the head of the agency with*
15 *the authority over the Federal financial assistance award*
16 *or Federal procurement under consideration.*

17 **SEC. 4136. ESTABLISHMENT OF BUYAMERICAN.GOV**
18 **WEBSITE.**

19 (a) *IN GENERAL.*—*Not later than one year after the*
20 *date of the enactment of this Act, the Administrator of Gen-*
21 *eral Services shall establish an Internet website with the*
22 *address BuyAmerican.gov that will be publicly available*
23 *and free to access. The website shall include information*
24 *on all waivers of and exceptions to Buy American laws*
25 *since the date of the enactment of this Act that have been*

1 requested, are under consideration, or have been granted by
2 executive agencies and be designed to enable manufacturers
3 and other interested parties to easily identify waivers. The
4 website shall also include the results of routine audits to
5 determine data errors and Buy American law violations
6 after the award of a contract. The website shall provide pub-
7 licly available contact information for the relevant con-
8 tracting agencies.

9 (b) *UTILIZATION OF EXISTING WEBSITE.*—The re-
10 quirements of subsection (a) may be met by utilizing an
11 existing website, provided that the address of that website
12 is *BuyAmerican.gov*.

13 **SEC. 4137. WAIVER TRANSPARENCY AND STREAMLINING**
14 **FOR CONTRACTS.**

15 (a) *COLLECTION OF INFORMATION.*—The Adminis-
16 trator of General Services, in consultation with the heads
17 of relevant agencies, shall develop a mechanism to collect
18 information on requests to invoke a Buy American waiver
19 for a Federal contract, utilizing existing reporting require-
20 ments whenever possible, for purposes of providing early no-
21 tice of possible waivers via the website established under sec-
22 tion 4136.

23 (b) *WAIVER TRANSPARENCY AND STREAMLINING.*—

24 (1) *REQUIREMENT.*—Prior to granting a request
25 to waive a Buy American law, the head of an execu-

1 *tive agency shall submit a request to invoke a Buy*
2 *American waiver to the Administrator of General*
3 *Services, and the Administrator of General Services*
4 *shall make the request available on or through the*
5 *public website established under section 4136 for pub-*
6 *lic comment for not less than 15 days.*

7 (2) *EXCEPTION.—The requirement under para-*
8 *graph (1) does not apply to a request for a Buy*
9 *American waiver to satisfy an urgent contracting*
10 *need in an unforeseen and exigent circumstance.*

11 (c) *INFORMATION AVAILABLE TO THE EXECUTIVE*
12 *AGENCY CONCERNING THE REQUEST.—*

13 (1) *REQUIREMENT.—No Buy American waiver*
14 *for purposes of awarding a contract may be granted*
15 *if, in contravention of subsection (b)—*

16 (A) *information about the waiver was not*
17 *made available on the website under section*
18 *4136; or*

19 (B) *no opportunity for public comment con-*
20 *cerning the request was granted.*

21 (2) *SCOPE.—Information made available to the*
22 *public concerning the request included on the website*
23 *described in section 4136 shall properly and ade-*
24 *quately document and justify the statutory basis cited*

1 *for the requested waiver. Such information shall in-*
2 *clude—*

3 *(A) a detailed justification for the use of*
4 *goods, products, or materials mined, produced,*
5 *or manufactured outside the United States;*

6 *(B) for requests citing unreasonable cost as*
7 *the statutory basis of the waiver, a comparison*
8 *of the cost of the domestic product to the cost of*
9 *the foreign product or a comparison of the over-*
10 *all cost of the project with domestic products to*
11 *the overall cost of the project with foreign-origin*
12 *products or services, pursuant to the require-*
13 *ments of the applicable Buy American law, ex-*
14 *cept that publicly available cost comparison data*
15 *may be provided in lieu of proprietary pricing*
16 *information;*

17 *(C) for requests citing the public interest as*
18 *the statutory basis for the waiver, a detailed*
19 *written statement, which shall include all appro-*
20 *priate factors, such as potential obligations*
21 *under international agreements, justifying why*
22 *the requested waiver is in the public interest;*
23 *and*

24 *(D) a certification that the procurement of-*
25 *ficial or assistance recipient made a good faith*

1 *effort to solicit bids for domestic products sup-*
2 *ported by terms included in requests for pro-*
3 *posals, contracts, and nonproprietary commu-*
4 *nications with the prime contractor.*

5 (d) **NONAVAILABILITY WAIVERS.**—

6 (1) **IN GENERAL.**—*Except as provided under*
7 *paragraph (2), for a request citing nonavailability as*
8 *the statutory basis for a Buy American waiver, an*
9 *executive agency shall provide an explanation of the*
10 *procurement official's efforts to procure a product*
11 *from a domestic source and the reasons why a domes-*
12 *tic product was not available from a domestic source.*
13 *Those explanations shall be made available on*
14 *BuyAmerican.gov prior to the issuance of the waiver,*
15 *and the agency shall consider public comments re-*
16 *garding the availability of the product before making*
17 *a final determination.*

18 (2) **EXCEPTION.**—*An explanation under para-*
19 *graph (1) is not required for a product the nonavail-*
20 *ability of which is established by law or regulation.*

21 **SEC. 4138. COMPTROLLER GENERAL REPORT.**

22 *Not later than two years after the date of the enact-*
23 *ment of this Act, the Comptroller General of the United*
24 *States shall submit to Congress a report describing the im-*
25 *plementation of this subtitle, including recommendations*

1 *for any legislation to improve the collection and reporting*
2 *of information regarding waivers of and exceptions to Buy*
3 *American laws.*

4 **SEC. 4139. RULES OF CONSTRUCTION.**

5 (a) *DISCLOSURE REQUIREMENTS.*—*Nothing in this*
6 *subtitle shall be construed as preempting, superseding, or*
7 *otherwise affecting the application of any disclosure re-*
8 *quirement or requirements otherwise provided by law or*
9 *regulation.*

10 (b) *ESTABLISHMENT OF SUCCESSOR INFORMATION*
11 *SYSTEMS.*—*Nothing in this subtitle shall be construed as*
12 *preventing or otherwise limiting the ability of the Adminis-*
13 *trator of General Services to move the data required to be*
14 *included on the website established under subsection (a) to*
15 *a successor information system. Any such information sys-*
16 *tem shall include a reference to BuyAmerican.gov.*

17 **SEC. 4140. CONSISTENCY WITH INTERNATIONAL AGREE-**
18 **MENTS.**

19 *This subtitle shall be applied in a manner consistent*
20 *with United States obligations under international agree-*
21 *ments.*

22 **SEC. 4141. PROSPECTIVE AMENDMENTS TO INTERNAL**
23 **CROSS-REFERENCES.**

24 (a) *IN GENERAL.*—*Section 4132(1) is amended—*

1 (1) *in subparagraph (I), by striking “section*
2 *2533a” and inserting “section 4862”; and*

3 (2) *in subparagraph (J), by striking “section*
4 *2533b” and inserting “section 4863”.*

5 (b) *EFFECTIVE DATE.—The amendments made by sub-*
6 *section (a) shall take effect on January 1, 2022.*

7 ***Subtitle C—Make PPE in America***

8 ***SEC. 4151. SHORT TITLE.***

9 *This subtitle may be cited as the “Make PPE in Amer-*
10 *ica Act”.*

11 ***SEC. 4152. FINDINGS.***

12 *Congress makes the following findings:*

13 (1) *The COVID–19 pandemic has exposed the*
14 *vulnerability of the United States supply chains for,*
15 *and lack of domestic production of, personal protec-*
16 *tive equipment (PPE).*

17 (2) *The United States requires a robust, secure,*
18 *and wholly domestic PPE supply chain to safeguard*
19 *public health and national security.*

20 (3) *Issuing a strategy that provides the govern-*
21 *ment’s anticipated needs over the next three years will*
22 *enable suppliers to assess what changes, if any, are*
23 *needed in their manufacturing capacity to meet ex-*
24 *pected demands.*

1 (4) *In order to foster a domestic PPE supply*
2 *chain, United States industry needs a strong and*
3 *consistent demand signal from the Federal Govern-*
4 *ment providing the necessary certainty to expand*
5 *production capacity investment in the United States.*

6 (5) *In order to effectively incentivize investment*
7 *in the United States and the re-shoring of manufac-*
8 *turing, long-term contracts must be no shorter than*
9 *three years in duration.*

10 (6) *To accomplish this aim, the United States*
11 *should seek to ensure compliance with its inter-*
12 *national obligations, such as its commitments under*
13 *the World Trade Organization’s Agreement on Gov-*
14 *ernment Procurement and its free trade agreements,*
15 *including by invoking any relevant exceptions to*
16 *those agreements, especially those related to national*
17 *security and public health.*

18 (7) *The United States needs a long-term invest-*
19 *ment strategy for the domestic production of PPE*
20 *items critical to the United States national response*
21 *to a public health crisis, including the COVID–19*
22 *pandemic.*

1 **SEC. 4153. REQUIREMENT OF LONG-TERM CONTRACTS FOR**
2 **DOMESTICALLY MANUFACTURED PERSONAL**
3 **PROTECTIVE EQUIPMENT.**

4 (a) *DEFINITIONS.—In this section:*

5 (1) *APPROPRIATE CONGRESSIONAL COMMIT-*
6 *TEES.—The term “appropriate congressional commit-*
7 *tees” means—*

8 (A) *the Committee on Homeland Security*
9 *and Governmental Affairs, the Committee on*
10 *Health, Education, Labor, and Pensions, the*
11 *Committee on Finance, and the Committee on*
12 *Veterans’ Affairs of the Senate; and*

13 (B) *the Committee on Homeland Security,*
14 *the Committee on Oversight and Reform, the*
15 *Committee on Energy and Commerce, the Com-*
16 *mittee on Ways and Means, and the Committee*
17 *on Veterans’ Affairs of the House of Representa-*
18 *tives.*

19 (2) *COVERED SECRETARY.—The term “covered*
20 *Secretary” means the Secretary of Homeland Secu-*
21 *rity, the Secretary of Health and Human Services,*
22 *and the Secretary of Veterans Affairs.*

23 (3) *PERSONAL PROTECTIVE EQUIPMENT.—The*
24 *term “personal protective equipment” means surgical*
25 *masks, respirator masks and powered air purifying*
26 *respirators and required filters, face shields and pro-*

1 *protective eyewear, gloves, disposable and reusable sur-*
2 *gical and isolation gowns, head and foot coverings,*
3 *and other gear or clothing used to protect an indi-*
4 *vidual from the transmission of disease.*

5 (4) *UNITED STATES.*—*The term “United States”*
6 *means the 50 States, the District of Columbia, and*
7 *the possessions of the United States.*

8 (b) *CONTRACT REQUIREMENTS FOR DOMESTIC PRO-*
9 *DUCTION.*—*Beginning 90 days after the date of the enact-*
10 *ment of this Act, in order to ensure the sustainment and*
11 *expansion of personal protective equipment manufacturing*
12 *in the United States and meet the needs of the current pan-*
13 *demic response, any contract for the procurement of per-*
14 *sonal protective equipment entered into by a covered Sec-*
15 *retary, or a covered Secretary’s designee, shall—*

16 (1) *be issued for a duration of at least 2 years,*
17 *plus all option periods necessary, to incentivize in-*
18 *vestment in the production of personal protective*
19 *equipment and the materials and components thereof*
20 *in the United States; and*

21 (2) *be for personal protective equipment, includ-*
22 *ing the materials and components thereof, that is*
23 *grown, reprocessed, reused, or produced in the United*
24 *States.*

1 (c) *ALTERNATIVES TO DOMESTIC PRODUCTION.*—The
2 *requirement under subsection (b) shall not apply to an item*
3 *of personal protective equipment, or component or material*
4 *thereof if, after maximizing to the extent feasible sources*
5 *consistent with subsection (b), the covered Secretary—*

6 (1) *maximizes sources for personal protective*
7 *equipment that is assembled outside the United States*
8 *containing only materials and components that are*
9 *grown, reprocessed, reused, or produced in the United*
10 *States; and*

11 (2) *certifies every 120 days that it is necessary*
12 *to procure personal protective equipment under alter-*
13 *native procedures to respond to the immediate needs*
14 *of a public health emergency.*

15 (d) *AVAILABILITY EXCEPTION.*—

16 (1) *IN GENERAL.*—*Subsections (b) and (c) shall*
17 *not apply to an item of personal protective equip-*
18 *ment, or component or material thereof—*

19 (A) *that is, or that includes, a material list-*
20 *ed in section 25.104 of the Federal Acquisition*
21 *Regulation as one for which a non-availability*
22 *determination has been made; or*

23 (B) *as to which the covered Secretary deter-*
24 *mines that a sufficient quantity of a satisfactory*
25 *quality that is grown, reprocessed, reused, or*

1 *produced in the United States cannot be pro-*
2 *cured as, and when, needed at United States*
3 *market prices.*

4 (2) *CERTIFICATION REQUIREMENT.*—*The covered*
5 *Secretary shall certify every 120 days that the excep-*
6 *tion under paragraph (1) is necessary to meet the im-*
7 *mediate needs of a public health emergency.*

8 (e) *REPORT.*—

9 (1) *IN GENERAL.*—*Not later than 180 days after*
10 *the date of the enactment of this Act, the Director of*
11 *the Office of Management and Budget, in consultation*
12 *with the covered Secretaries, shall submit to the*
13 *chairs and ranking members of the appropriate con-*
14 *gressional committees a report on the procurement of*
15 *personal protective equipment.*

16 (2) *ELEMENTS.*—*The report required under*
17 *paragraph (1) shall include the following elements:*

18 (A) *The United States long-term domestic*
19 *procurement strategy for PPE produced in the*
20 *United States, including strategies to incentivize*
21 *investment in and maintain United States sup-*
22 *ply chains for all PPE sufficient to meet the*
23 *needs of the United States during a public health*
24 *emergency.*

1 (B) *An estimate of long-term demand quan-*
2 *ties for all PPE items procured by the United*
3 *States.*

4 (C) *Recommendations for congressional ac-*
5 *tion required to implement the United States*
6 *Government's procurement strategy.*

7 (D) *A determination whether all notifica-*
8 *tions, amendments, and other necessary actions*
9 *have been completed to bring the United States*
10 *existing international obligations into con-*
11 *formity with the statutory requirements of this*
12 *subtitle.*

13 (f) *AUTHORIZATION OF TRANSFER OF EQUIPMENT.—*

14 (1) *IN GENERAL.—A covered Secretary may*
15 *transfer to the Strategic National Stockpile estab-*
16 *lished under section 319F–2 of the Public Health*
17 *Service Act (42 U.S.C. 247d–6b) any excess personal*
18 *protective equipment acquired under a contract exe-*
19 *cuted pursuant to subsection (b).*

20 (2) *TRANSFER OF EQUIPMENT DURING A PUBLIC*
21 *HEALTH EMERGENCY.—*

22 (A) *AMENDMENT.—Title V of the Homeland*
23 *Security Act of 2002 (6 U.S.C. 311 et seq.) is*
24 *amended by adding at the end the following:*

1 **“SEC. 529. TRANSFER OF EQUIPMENT DURING A PUBLIC**
2 **HEALTH EMERGENCY.**

3 “(a) *AUTHORIZATION OF TRANSFER OF EQUIP-*
4 *MENT.—During a public health emergency declared by the*
5 *Secretary of Health and Human Services under section*
6 *319(a) of the Public Health Service Act (42 U.S.C.*
7 *247d(a)), the Secretary, at the request of the Secretary of*
8 *Health and Human Services, may transfer to the Depart-*
9 *ment of Health and Human Services, on a reimbursable*
10 *basis, excess personal protective equipment or medically*
11 *necessary equipment in the possession of the Department.*

12 “(b) *DETERMINATION BY SECRETARIES.—*

13 “(1) *IN GENERAL.—In carrying out this sec-*
14 *tion—*

15 “(A) *before requesting a transfer under sub-*
16 *section (a), the Secretary of Health and Human*
17 *Services shall determine whether the personal*
18 *protective equipment or medically necessary*
19 *equipment is otherwise available; and*

20 “(B) *before initiating a transfer under sub-*
21 *section (a), the Secretary, in consultation with*
22 *the heads of each component within the Depart-*
23 *ment, shall—*

24 “(i) *determine whether the personal*
25 *protective equipment or medically necessary*

1 *equipment requested to be transferred under*
2 *subsection (a) is excess equipment; and*

3 “(ii) *certify that the transfer of the*
4 *personal protective equipment or medically*
5 *necessary equipment will not adversely im-*
6 *pect the health or safety of officers, employ-*
7 *ees, or contractors of the Department.*

8 “(2) *NOTIFICATION.—The Secretary of Health*
9 *and Human Services and the Secretary shall each*
10 *submit to Congress a notification explaining the de-*
11 *termination made under subparagraphs (A) and (B),*
12 *respectively, of paragraph (1).*

13 “(3) *REQUIRED INVENTORY.—*

14 “(A) *IN GENERAL.—The Secretary shall—*

15 “(i) *acting through the Chief Medical*
16 *Officer of the Department, maintain an in-*
17 *ventory of all personal protective equipment*
18 *and medically necessary equipment in the*
19 *possession of the Department; and*

20 “(ii) *make the inventory required*
21 *under clause (i) available, on a continual*
22 *basis, to—*

23 “(I) *the Secretary of Health and*
24 *Human Services; and*

1 “(II) the Committee on Appro-
2 priations and the Committee on Home-
3 land Security and Governmental Af-
4 fairs of the Senate and the Committee
5 on Appropriations and the Committee
6 on Homeland Security of the House of
7 Representatives.

8 “(B) FORM.—Each inventory required to be
9 made available under subparagraph (A) shall be
10 submitted in unclassified form, but may include
11 a classified annex.”.

12 (B) TABLE OF CONTENTS AMENDMENT.—
13 The table of contents in section 1(b) of the Home-
14 land Security Act of 2002 (Public Law 107–296;
15 116 Stat. 2135) is amended by inserting after
16 the item relating to section 528 the following:

“Sec. 529. Transfer of equipment during a public health emergency.”.

17 (3) STRATEGIC NATIONAL STOCKPILE.—Section
18 319F–2(a) of the Public Health Service Act (42
19 U.S.C. 247d–6b(a)) is amended by adding at the end
20 the following:

21 “(6) TRANSFERS OF ITEMS.—The Secretary, in
22 coordination with the Secretary of Homeland Secu-
23 rity, may sell drugs, vaccines and other biological
24 products, medical devices, or other supplies main-
25 tained in the stockpile under paragraph (1) to a Fed-

1 *eral agency or private, nonprofit, State, local, tribal,*
 2 *or territorial entity for immediate use and distribu-*
 3 *tion, provided that any such items being sold are—*

4 *“(A) within 1 year of their expiration date;*

5 *or*

6 *“(B) determined by the Secretary to no*
 7 *longer be needed in the stockpile due to advances*
 8 *in medical or technical capabilities.”.*

9 *(g) COMPLIANCE WITH INTERNATIONAL AGREE-*
 10 *MENTS.—The President or the President’s designee shall*
 11 *take all necessary steps, including invoking the rights of the*
 12 *United States under Article III of the World Trade Organi-*
 13 *zation’s Agreement on Government Procurement and the*
 14 *relevant exceptions of other relevant agreements to which*
 15 *the United States is a party, to ensure that the inter-*
 16 *national obligations of the United States are consistent with*
 17 *the provisions of this subtitle.*

18 **TITLE II—CYBER AND**
 19 **ARTIFICIAL INTELLIGENCE**
 20 **Subtitle A—Advancing American AI**

21 **SEC. 4201. SHORT TITLE.**

22 *This subtitle may be cited as the “Advancing Amer-*
 23 *ican AI Act”.*

24 **SEC. 4202. PURPOSE.**

25 *The purposes of this subtitle are to—*

1 (1) *encourage agency artificial intelligence-re-*
2 *lated programs and initiatives that enhance the com-*
3 *petitiveness of the United States and foster an ap-*
4 *proach to artificial intelligence that builds on the*
5 *strengths of the United States in innovation and*
6 *entrepreneurialism;*

7 (2) *enhance the ability of the Federal Govern-*
8 *ment to translate research advances into artificial in-*
9 *telligence applications to modernize systems and as-*
10 *sisst agency leaders in fulfilling their missions;*

11 (3) *promote adoption of modernized business*
12 *practices and advanced technologies across the Fed-*
13 *eral Government that align with the values of the*
14 *United States, including the protection of privacy,*
15 *civil rights, and civil liberties; and*

16 (4) *test and harness applied artificial intel-*
17 *ligence to enhance mission effectiveness and business*
18 *practice efficiency.*

19 **SEC. 4203. DEFINITIONS.**

20 *In this subtitle:*

21 (1) *AGENCY.*—*The term “agency” has the mean-*
22 *ing given the term in section 3502 of title 44, United*
23 *States Code.*

1 (2) *APPROPRIATE CONGRESSIONAL COMMIT-*
2 *TEES.*—*The term “appropriate congressional commit-*
3 *tees” means—*

4 (A) *the Committee on Homeland Security*
5 *and Governmental Affairs of the Senate; and*

6 (B) *the Committee on Oversight and Reform*
7 *of the House of Representatives.*

8 (3) *ARTIFICIAL INTELLIGENCE.*—*The term “arti-*
9 *ficial intelligence” has the meaning given the term in*
10 *section 238(g) of the John S. McCain National De-*
11 *fense Authorization Act for Fiscal Year 2019 (10*
12 *U.S.C. 2358 note).*

13 (4) *ARTIFICIAL INTELLIGENCE SYSTEM.*—*The*
14 *term “artificial intelligence system”—*

15 (A) *means any data system, software, ap-*
16 *plication, tool, or utility that operates in whole*
17 *or in part using dynamic or static machine*
18 *learning algorithms or other forms of artificial*
19 *intelligence, whether—*

20 (i) *the data system, software, applica-*
21 *tion, tool, or utility is established primarily*
22 *for the purpose of researching, developing,*
23 *or implementing artificial intelligence tech-*
24 *nology; or*

1 (ii) artificial intelligence capability is
2 integrated into another system or agency
3 business process, operational activity, or
4 technology system; and

5 (B) does not include any common commer-
6 cial product within which artificial intelligence
7 is embedded, such as a word processor or map
8 navigation system.

9 (5) *DEPARTMENT.*—The term “Department”
10 means the Department of Homeland Security.

11 (6) *DIRECTOR.*—The term “Director” means the
12 Director of the Office of Management and Budget.

13 **SEC. 4204. PRINCIPLES AND POLICIES FOR USE OF ARTIFI-**
14 **CIAL INTELLIGENCE IN GOVERNMENT.**

15 (a) *GUIDANCE.*—The Director shall, when developing
16 the guidance required under section 104(a) of the AI in
17 Government Act of 2020 (title I of division U of Public Law
18 116–260), consider—

19 (1) the considerations and recommended prac-
20 tices identified by the National Security Commission
21 on Artificial Intelligence in the report entitled “Key
22 Considerations for the Responsible Development and
23 Fielding of AI”, as updated in April 2021;

24 (2) the principles articulated in Executive Order
25 13960 (85 Fed. Reg. 78939; relating to promoting the

1 *use of trustworthy artificial intelligence in Govern-*
2 *ment); and*

3 *(3) the input of—*

4 *(A) the Privacy and Civil Liberties Over-*
5 *sight Board;*

6 *(B) relevant interagency councils, such as*
7 *the Federal Privacy Council, the Chief Informa-*
8 *tion Officers Council, and the Chief Data Offi-*
9 *cers Council;*

10 *(C) other governmental and nongovern-*
11 *mental privacy, civil rights, and civil liberties*
12 *experts; and*

13 *(D) any other individual or entity the Di-*
14 *rector determines to be appropriate.*

15 *(b) DEPARTMENT POLICIES AND PROCESSES FOR PRO-*
16 *CUREMENT AND USE OF ARTIFICIAL INTELLIGENCE-EN-*
17 *ABLED SYSTEMS.—Not later than 180 days after the date*
18 *of enactment of this Act—*

19 *(1) the Secretary of Homeland Security, with the*
20 *participation of the Chief Procurement Officer, the*
21 *Chief Information Officer, the Chief Privacy Officer,*
22 *and the Officer for Civil Rights and Civil Liberties*
23 *of the Department and any other person determined*
24 *to be relevant by the Secretary of Homeland Security,*

1 *shall issue policies and procedures for the Department*
2 *related to—*

3 *(A) the acquisition and use of artificial in-*
4 *telligence; and*

5 *(B) considerations for the risks and impacts*
6 *related to artificial intelligence-enabled systems,*
7 *including associated data of machine learning*
8 *systems, to ensure that full consideration is given*
9 *to—*

10 *(i) the privacy, civil rights, and civil*
11 *liberties impacts of artificial intelligence-en-*
12 *abled systems; and*

13 *(ii) security against misuse, degrada-*
14 *tion, or rendering inoperable of artificial in-*
15 *telligence-enabled systems; and*

16 *(2) the Chief Privacy Officer and the Officer for*
17 *Civil Rights and Civil Liberties of the Department*
18 *shall report to Congress on any additional staffing or*
19 *funding resources that may be required to carry out*
20 *the requirements of this subsection.*

21 *(c) INSPECTOR GENERAL.—Not later than 180 days*
22 *after the date of enactment of this Act, the Inspector General*
23 *of the Department shall identify any training and invest-*
24 *ments needed to enable employees of the Office of the Inspec-*

1 *tor General to continually advance their understanding*
2 *of—*

3 *(1) artificial intelligence systems;*

4 *(2) best practices for governance, oversight, and*
5 *audits of the use of artificial intelligence systems; and*

6 *(3) how the Office of the Inspector General is*
7 *using artificial intelligence to enhance audit and in-*
8 *vestigative capabilities, including actions to—*

9 *(A) ensure the integrity of audit and inves-*
10 *tigative results; and*

11 *(B) guard against bias in the selection and*
12 *conduct of audits and investigations.*

13 *(d) ARTIFICIAL INTELLIGENCE HYGIENE AND PROTEC-*
14 *TION OF GOVERNMENT INFORMATION, PRIVACY, CIVIL*
15 *RIGHTS, AND CIVIL LIBERTIES.—*

16 *(1) ESTABLISHMENT.—Not later than 1 year*
17 *after the date of enactment of this Act, the Director,*
18 *in consultation with a working group consisting of*
19 *members selected by the Director from appropriate*
20 *interagency councils, shall develop an initial means*
21 *by which to—*

22 *(A) ensure that contracts for the acquisition*
23 *of an artificial intelligence system or service—*

24 *(i) align with the guidance issued to*
25 *the head of each agency under section*

1 *104(a) of the AI in Government Act of 2020*
2 *(title I of division U of Public Law 116–*
3 *260);*

4 *(ii) address protection of privacy, civil*
5 *rights, and civil liberties;*

6 *(iii) address the ownership and secu-*
7 *rity of data and other information created,*
8 *used, processed, stored, maintained, dissemi-*
9 *nated, disclosed, or disposed of by a con-*
10 *tractor or subcontractor on behalf of the*
11 *Federal Government; and*

12 *(iv) include considerations for securing*
13 *the training data, algorithms, and other*
14 *components of any artificial intelligence*
15 *system against misuse, unauthorized alter-*
16 *ation, degradation, or rendering inoperable;*
17 *and*

18 *(B) address any other issue or concern de-*
19 *termined to be relevant by the Director to ensure*
20 *appropriate use and protection of privacy and*
21 *Government data and other information.*

22 *(2) CONSULTATION.—In developing the consider-*
23 *ations under paragraph (1)(A)(iv), the Director shall*
24 *consult with the Secretary of Homeland Security, the*

1 *Director of the National Institute of Standards and*
2 *Technology, and the Director of National Intelligence.*

3 (3) *REVIEW.—The Director—*

4 (A) *should continuously update the means*
5 *developed under paragraph (1); and*

6 (B) *not later than 2 years after the date of*
7 *enactment of this Act and not less frequently*
8 *than every 2 years thereafter, shall update the*
9 *means developed under paragraph (1).*

10 (4) *BRIEFING.—The Director shall brief the ap-*
11 *propriate congressional committees—*

12 (A) *not later than 90 days after the date of*
13 *enactment of this Act and thereafter on a quar-*
14 *terly basis until the Director first implements*
15 *the means developed under paragraph (1); and*

16 (B) *annually thereafter on the implementa-*
17 *tion of this subsection.*

18 (5) *SUNSET.—This subsection shall cease to be*
19 *effective on the date that is 5 years after the date of*
20 *enactment of this Act.*

21 **SEC. 4205. AGENCY INVENTORIES AND ARTIFICIAL INTEL-**
22 **LIGENCE USE CASES.**

23 (a) *INVENTORY.—Not later than 60 days after the date*
24 *of enactment of this Act, and continuously thereafter for*
25 *a period of 5 years, the Director, in consultation with the*

1 *Chief Information Officers Council, the Chief Data Officers*
2 *Council, and other interagency bodies as determined to be*
3 *appropriate by the Director, shall require the head of each*
4 *agency to—*

5 (1) *prepare and maintain an inventory of the*
6 *artificial intelligence use cases of the agency, includ-*
7 *ing current and planned uses;*

8 (2) *share agency inventories with other agencies,*
9 *to the extent practicable and consistent with applica-*
10 *ble law and policy, including those concerning protec-*
11 *tion of privacy and of sensitive law enforcement, na-*
12 *tional security, and other protected information; and*

13 (3) *make agency inventories available to the pub-*
14 *lic, in a manner determined by the Director, and to*
15 *the extent practicable and in accordance with appli-*
16 *cable law and policy, including those concerning the*
17 *protection of privacy and of sensitive law enforce-*
18 *ment, national security, and other protected informa-*
19 *tion.*

20 (b) *CENTRAL INVENTORY.*—*The Director is encouraged*
21 *to designate a host entity and ensure the creation and*
22 *maintenance of an online public directory to—*

23 (1) *make agency artificial intelligence use case*
24 *information available to the public and those wishing*
25 *to do business with the Federal Government; and*

1 (2) *identify common use cases across agencies.*

2 (c) *SHARING.—The sharing of agency inventories de-*
3 *scribed in subsection (a)(2) may be coordinated through the*
4 *Chief Information Officers Council, the Chief Data Officers*
5 *Council, the Chief Financial Officers Council, the Chief Ac-*
6 *quisition Officers Council, or other interagency bodies to*
7 *improve interagency coordination and information sharing*
8 *for common use cases.*

9 **SEC. 4206. RAPID PILOT, DEPLOYMENT AND SCALE OF AP-**
10 **PLIED ARTIFICIAL INTELLIGENCE CAPABILI-**
11 **TIES TO DEMONSTRATE MODERNIZATION AC-**
12 **TIVITIES RELATED TO USE CASES.**

13 (a) *IDENTIFICATION OF USE CASES.—Not later than*
14 *270 days after the date of enactment of this Act, the Direc-*
15 *tor, in consultation with the Chief Information Officers*
16 *Council, the Chief Data Officers Council, and other inter-*
17 *agency bodies as determined to be appropriate by the Direc-*
18 *tor, shall identify 4 new use cases for the application of*
19 *artificial intelligence-enabled systems to support inter-*
20 *agency or intra-agency modernization initiatives that re-*
21 *quire linking multiple siloed internal and external data*
22 *sources, consistent with applicable laws and policies, in-*
23 *cluding those relating to the protection of privacy and of*
24 *sensitive law enforcement, national security, and other pro-*
25 *tected information.*

1 **(b) PILOT PROGRAM.**—

2 **(1) PURPOSES.**—*The purposes of the pilot pro-*
3 *gram under this subsection include—*

4 **(A)** *to enable agencies to operate across or-*
5 *ganizational boundaries, coordinating between*
6 *existing established programs and silos to im-*
7 *prove delivery of the agency mission; and*

8 **(B)** *to demonstrate the circumstances under*
9 *which artificial intelligence can be used to mod-*
10 *ernize or assist in modernizing legacy agency*
11 *systems.*

12 **(2) DEPLOYMENT AND PILOT.**—*Not later than 1*
13 *year after the date of enactment of this Act, the Direc-*
14 *tor, in coordination with the heads of relevant agen-*
15 *cies and other officials as the Director determines to*
16 *be appropriate, shall ensure the initiation of the pi-*
17 *loting of the 4 new artificial intelligence use case ap-*
18 *plications identified under subsection (a), leveraging*
19 *commercially available technologies and systems to*
20 *demonstrate scalable artificial intelligence-enabled ca-*
21 *pabilities to support the use cases identified under*
22 *subsection (a).*

23 **(3) RISK EVALUATION AND MITIGATION PLAN.**—

24 *In carrying out paragraph (2), the Director shall re-*
25 *quire the heads of agencies to—*

1 (A) evaluate risks in utilizing artificial in-
2 telligence systems; and

3 (B) develop a risk mitigation plan to ad-
4 dress those risks, including consideration of—

5 (i) the artificial intelligence system not
6 performing as expected;

7 (ii) the lack of sufficient or quality
8 training data; and

9 (iii) the vulnerability of a utilized ar-
10 tificial intelligence system to unauthorized
11 manipulation or misuse.

12 (4) *PRIORITIZATION.*—In carrying out para-
13 graph (2), the Director shall prioritize modernization
14 projects that—

15 (A) would benefit from commercially avail-
16 able privacy-preserving techniques, such as use of
17 differential privacy, federated learning, and se-
18 cure multiparty computing; and

19 (B) otherwise take into account consider-
20 ations of civil rights and civil liberties.

21 (5) *USE CASE MODERNIZATION APPLICATION*
22 *AREAS.*—Use case modernization application areas
23 described in paragraph (2) shall include not less than
24 1 from each of the following categories:

1 (A) *Applied artificial intelligence to drive*
2 *agency productivity efficiencies in predictive*
3 *supply chain and logistics, such as—*

4 (i) *predictive food demand and opti-*
5 *mized supply;*

6 (ii) *predictive medical supplies and*
7 *equipment demand and optimized supply;*
8 *or*

9 (iii) *predictive logistics to accelerate*
10 *disaster preparedness, response, and recov-*
11 *ery.*

12 (B) *Applied artificial intelligence to accel-*
13 *erate agency investment return and address mis-*
14 *sion-oriented challenges, such as—*

15 (i) *applied artificial intelligence port-*
16 *folio management for agencies;*

17 (ii) *workforce development and*
18 *upskilling;*

19 (iii) *redundant and laborious analyses;*

20 (iv) *determining compliance with Gov-*
21 *ernment requirements, such as with grants*
22 *management; or*

23 (v) *outcomes measurement to measure*
24 *economic and social benefits.*

1 (6) *REQUIREMENTS.*—*Not later than 3 years*
2 *after the date of enactment of this Act, the Director,*
3 *in coordination with the heads of relevant agencies*
4 *and other officials as the Director determines to be*
5 *appropriate, shall establish an artificial intelligence*
6 *capability within each of the 4 use case pilots under*
7 *this subsection that—*

8 (A) *solves data access and usability issues*
9 *with automated technology and eliminates or*
10 *minimizes the need for manual data cleansing*
11 *and harmonization efforts;*

12 (B) *continuously and automatically ingests*
13 *data and updates domain models in near real-*
14 *time to help identify new patterns and predict*
15 *trends, to the extent possible, to help agency per-*
16 *sonnel to make better decisions and take faster*
17 *actions;*

18 (C) *organizes data for meaningful data vis-*
19 *ualization and analysis so the Government has*
20 *predictive transparency for situational aware-*
21 *ness to improve use case outcomes;*

22 (D) *is rapidly configurable to support mul-*
23 *tiple applications and automatically adapts to*
24 *dynamic conditions and evolving use case re-*
25 *quirements, to the extent possible;*

1 “(A) *has the meaning given the term ‘com-*
2 *mercial item’ in section 2.101 of the Federal Ac-*
3 *quisition Regulation; and*

4 “(B) *includes a commercial product or a*
5 *commercial service, as defined in sections 103*
6 *and 103a, respectively, of title 41, United States*
7 *Code; and*

8 “(2) *the term ‘innovative’ means—*

9 “(A) *any new technology, process, or meth-*
10 *od, including research and development; or*

11 “(B) *any new application of an existing*
12 *technology, process, or method.”; and*

13 (3) *in subsection (g), by striking “2022” and in-*
14 *sert “2027”.*

15 (b) *DHS OTHER TRANSACTION AUTHORITY.—Section*
16 *831 of the Homeland Security Act of 2002 (6 U.S.C. 391)*
17 *is amended—*

18 (1) *in subsection (a)—*

19 (A) *in the matter preceding paragraph (1),*
20 *by striking “September 30, 2017” and inserting*
21 *“September 30, 2024”; and*

22 (B) *by amending paragraph (2) to read as*
23 *follows:*

24 “(2) *PROTOTYPE PROJECTS.—The Secretary—*

1 “(A) may, under the authority of para-
2 graph (1), carry out prototype projects under
3 section 2371b of title 10, United States Code;
4 and

5 “(B) in applying the authorities of such sec-
6 tion 2371b, the Secretary shall perform the func-
7 tions of the Secretary of Defense as prescribed in
8 such section.”;

9 (2) in subsection (c)(1), by striking “September
10 30, 2017” and inserting “September 30, 2024”; and

11 (3) in subsection (d), by striking “section
12 845(e)” and all that follows and inserting “section
13 2371b(e) of title 10, United States Code.”.

14 (c) **COMMERCIAL OFF THE SHELF SUPPLY CHAIN**
15 **RISK MANAGEMENT TOOLS.**—*The General Services Admin-*
16 *istration is encouraged to pilot commercial off the shelf sup-*
17 *ply chain risk management tools to improve the ability of*
18 *the Federal Government to characterize, monitor, predict,*
19 *and respond to specific supply chain threats and*
20 *vulnerabilities that could inhibit future Federal acquisition*
21 *operations.*

1 “(1) *ASSET RESPONSE ACTIVITY*.—*The term*
2 ‘*asset response activity*’ *means an activity to support*
3 *an entity impacted by an incident with the response*
4 *to, remediation of, or recovery from, the incident, in-*
5 *cluding—*

6 “(A) *furnishing technical and advisory as-*
7 *sistance to the entity to protect the assets of the*
8 *entity, mitigate vulnerabilities, and reduce the*
9 *related impacts;*

10 “(B) *assessing potential risks to the critical*
11 *infrastructure sector or geographic region im-*
12 *acted by the incident, including potential cas-*
13 *cading effects of the incident on other critical in-*
14 *frastructure sectors or geographic regions;*

15 “(C) *developing courses of action to miti-*
16 *gate the risks assessed under subparagraph (B);*

17 “(D) *facilitating information sharing and*
18 *operational coordination with entities per-*
19 *forming threat response activities; and*

20 “(E) *providing guidance on how best to use*
21 *Federal resources and capabilities in a timely,*
22 *effective manner to speed recovery from the inci-*
23 *dent.*

1 “(2) *DECLARATION.*—*The term ‘declaration’*
2 *means a declaration of the Secretary under section*
3 *2233(a)(1).*

4 “(3) *DIRECTOR.*—*The term ‘Director’ means the*
5 *Director of the Cybersecurity and Infrastructure Se-*
6 *curity Agency.*

7 “(4) *FEDERAL AGENCY.*—*The term ‘Federal*
8 *agency’ has the meaning given the term ‘agency’ in*
9 *section 3502 of title 44, United States Code.*

10 “(5) *FUND.*—*The term ‘Fund’ means the Cyber*
11 *Response and Recovery Fund established under sec-*
12 *tion 2234(a).*

13 “(6) *INCIDENT.*—*The term ‘incident’ has the*
14 *meaning given the term in section 3552 of title 44,*
15 *United States Code.*

16 “(7) *RENEWAL.*—*The term ‘renewal’ means a re-*
17 *newal of a declaration under section 2233(d).*

18 “(8) *SIGNIFICANT INCIDENT.*—*The term ‘signifi-*
19 *cant incident’—*

20 “(A) *means an incident or a group of re-*
21 *lated incidents that results, or is likely to result,*
22 *in demonstrable harm to—*

23 “(i) *the national security interests, for-*
24 *ign relations, or economy of the United*
25 *States; or*

1 “(ii) the public confidence, civil lib-
2 erties, or public health and safety of the
3 people of the United States; and

4 “(B) does not include an incident or a por-
5 tion of a group of related incidents that occurs
6 on—

7 “(i) a national security system (as de-
8 fined in section 3552 of title 44, United
9 States Code); or

10 “(ii) an information system described
11 in paragraph (2) or (3) of section 3553(e)
12 of title 44, United States Code.

13 **“SEC. 2233. DECLARATION.**

14 “(a) *IN GENERAL.*—

15 “(1) *DECLARATION.*—The Secretary, in consulta-
16 tion with the National Cyber Director, may make a
17 declaration of a significant incident in accordance
18 with this section for the purpose of enabling the ac-
19 tivities described in this subtitle if the Secretary de-
20 termines that—

21 “(A) a specific significant incident—

22 “(i) has occurred; or

23 “(ii) is likely to occur imminently; and

24 “(B) otherwise available resources, other
25 than the Fund, are likely insufficient to respond

1 *effectively to, or to mitigate effectively, the spe-*
2 *cific significant incident described in subpara-*
3 *graph (A).*

4 “(2) *PROHIBITION ON DELEGATION.*—*The Sec-*
5 *retary may not delegate the authority provided to the*
6 *Secretary under paragraph (1).*

7 “(b) *ASSET RESPONSE ACTIVITIES.*—*Upon a declara-*
8 *tion, the Director shall coordinate—*

9 “(1) *the asset response activities of each Federal*
10 *agency in response to the specific significant incident*
11 *associated with the declaration; and*

12 “(2) *with appropriate entities, which may in-*
13 *clude—*

14 “(A) *public and private entities and State*
15 *and local governments with respect to the asset*
16 *response activities of those entities and govern-*
17 *ments; and*

18 “(B) *Federal, State, local, and Tribal law*
19 *enforcement agencies with respect to investiga-*
20 *tions and threat response activities of those law*
21 *enforcement agencies; and*

22 “(3) *Federal, State, local, and Tribal emergency*
23 *management and response agencies.*

24 “(c) *DURATION.*—*Subject to subsection (d), a declara-*
25 *tion shall terminate upon the earlier of—*

1 “(1) a determination by the Secretary that the
2 declaration is no longer necessary; or

3 “(2) the expiration of the 120-day period begin-
4 ning on the date on which the Secretary makes the
5 declaration.

6 “(d) *RENEWAL*.—The Secretary, without delegation,
7 may renew a declaration as necessary.

8 “(e) *PUBLICATION*.—

9 “(1) *IN GENERAL*.—Not later than 72 hours after
10 a declaration or a renewal, the Secretary shall pub-
11 lish the declaration or renewal in the *Federal Reg-*
12 *ister*.

13 “(2) *PROHIBITION*.—A declaration or renewal
14 published under paragraph (1) may not include the
15 name of any affected individual or private company.

16 “(f) *ADVANCE ACTIONS*.—

17 “(1) *IN GENERAL*.—The Secretary—

18 “(A) shall assess the resources available to
19 respond to a potential declaration; and

20 “(B) may take actions before and while a
21 declaration is in effect to arrange or procure ad-
22 ditional resources for asset response activities or
23 technical assistance the Secretary determines
24 necessary, which may include entering into
25 standby contracts with private entities for cyber-

1 *security services or incident responders in the*
2 *event of a declaration.*

3 “(2) *EXPENDITURE OF FUNDS.—Any expendi-*
4 *ture from the Fund for the purpose of paragraph*
5 *(1)(B) shall be made from amounts available in the*
6 *Fund, and amounts available in the Fund shall be in*
7 *addition to any other appropriations available to the*
8 *Cybersecurity and Infrastructure Security Agency for*
9 *such purpose.*

10 **“SEC. 2234. CYBER RESPONSE AND RECOVERY FUND.**

11 “(a) *IN GENERAL.—There is established a Cyber Re-*
12 *sponse and Recovery Fund, which shall be available for—*

13 “(1) *the coordination of activities described in*
14 *section 2233(b);*

15 “(2) *response and recovery support for the spe-*
16 *cific significant incident associated with a declara-*
17 *tion to Federal, State, local, and Tribal, entities and*
18 *public and private entities on a reimbursable or non-*
19 *reimbursable basis, including through asset response*
20 *activities and technical assistance, such as—*

21 “(A) *vulnerability assessments and mitiga-*
22 *tion;*

23 “(B) *technical incident mitigation;*

24 “(C) *malware analysis;*

25 “(D) *analytic support;*

1 “(E) threat detection and hunting; and

2 “(F) network protections;

3 “(3) as the Director determines appropriate,
4 grants for, or cooperative agreements with, Federal,
5 State, local, and Tribal public and private entities to
6 respond to, and recover from, the specific significant
7 incident associated with a declaration, such as—

8 “(A) hardware or software to replace, up-
9 date, improve, harden, or enhance the
10 functionality of existing hardware, software, or
11 systems; and

12 “(B) technical contract personnel support;
13 and

14 “(4) advance actions taken by the Secretary
15 under section 2233(f)(1)(B).

16 “(b) DEPOSITS AND EXPENDITURES.—

17 “(1) IN GENERAL.—Amounts shall be deposited
18 into the Fund from—

19 “(A) appropriations to the Fund for activi-
20 ties of the Fund; and

21 “(B) reimbursement from Federal agencies
22 for the activities described in paragraphs (1),
23 (2), and (4) of subsection (a), which shall only
24 be from amounts made available in advance in
25 appropriations Acts for such reimbursement.

1 “(2) *EXPENDITURES.*—Any expenditure from the
2 *Fund for the purposes of this subtitle shall be made*
3 *from amounts available in the Fund from a deposit*
4 *described in paragraph (1), and amounts available in*
5 *the Fund shall be in addition to any other appropria-*
6 *tions available to the Cybersecurity and Infrastruc-*
7 *ture Security Agency for such purposes.*

8 “(c) *SUPPLEMENT NOT SUPPLANT.*—Amounts in the
9 *Fund shall be used to supplement, not supplant, other Fed-*
10 *eral, State, local, or Tribal funding for activities in re-*
11 *sponse to a declaration.*

12 “(d) *REPORTING.*—The Secretary shall require an en-
13 *tity that receives amounts from the Fund to submit a report*
14 *to the Secretary that details the specific use of the amounts.*

15 **“SEC. 2235. NOTIFICATION AND REPORTING.**

16 “(a) *NOTIFICATION.*—Upon a declaration or renewal,
17 *the Secretary shall immediately notify the National Cyber*
18 *Director and appropriate congressional committees and in-*
19 *clude in the notification—*

20 “(1) *an estimation of the planned duration of*
21 *the declaration;*

22 “(2) *with respect to a notification of a declara-*
23 *tion, the reason for the declaration, including infor-*
24 *mation relating to the specific significant incident or*
25 *imminent specific significant incident, including—*

1 “(A) *the operational or mission impact or*
2 *anticipated impact of the specific significant in-*
3 *cident on Federal and non-Federal entities;*

4 “(B) *if known, the perpetrator of the spe-*
5 *cific significant incident; and*

6 “(C) *the scope of the Federal and non-Fed-*
7 *eral entities impacted or anticipated to be im-*
8 *pacted by the specific significant incident;*

9 “(3) *with respect to a notification of a renewal,*
10 *the reason for the renewal;*

11 “(4) *justification as to why available resources,*
12 *other than the Fund, are insufficient to respond to or*
13 *mitigate the specific significant incident; and*

14 “(5) *a description of the coordination activities*
15 *described in section 2233(b) that the Secretary antici-*
16 *pates the Director to perform.*

17 “(b) *REPORT TO CONGRESS.—Not later than 180 days*
18 *after the date of a declaration or renewal, the Secretary*
19 *shall submit to the appropriate congressional committees a*
20 *report that includes—*

21 “(1) *the reason for the declaration or renewal,*
22 *including information and intelligence relating to the*
23 *specific significant incident that led to the declaration*
24 *or renewal;*

1 “(2) the use of any funds from the Fund for the
2 purpose of responding to the incident or threat de-
3 scribed in paragraph (1);

4 “(3) a description of the actions, initiatives, and
5 projects undertaken by the Department and State and
6 local governments and public and private entities in
7 responding to and recovering from the specific signifi-
8 cant incident described in paragraph (1);

9 “(4) an accounting of the specific obligations
10 and outlays of the Fund; and

11 “(5) an analysis of—

12 “(A) the impact of the specific significant
13 incident described in paragraph (1) on Federal
14 and non-Federal entities;

15 “(B) the impact of the declaration or re-
16 newal on the response to, and recovery from, the
17 specific significant incident described in para-
18 graph (1); and

19 “(C) the impact of the funds made available
20 from the Fund as a result of the declaration or
21 renewal on the recovery from, and response to,
22 the specific significant incident described in
23 paragraph (1).

1 “(c) *CLASSIFICATION.*—Each notification made under
2 subsection (a) and each report submitted under subsection
3 (b)—

4 “(1) shall be in an unclassified form with appro-
5 priate markings to indicate information that is ex-
6 empt from disclosure under section 552 of title 5,
7 United States Code (commonly known as the ‘Free-
8 dom of Information Act’); and

9 “(2) may include a classified annex.

10 “(d) *CONSOLIDATED REPORT.*—The Secretary shall
11 not be required to submit multiple reports under subsection
12 (b) for multiple declarations or renewals if the Secretary
13 determines that the declarations or renewals substantively
14 relate to the same specific significant incident.

15 “(e) *EXEMPTION.*—The requirements of subchapter I
16 of chapter 35 of title 44 (commonly known as the ‘Paper-
17 work Reduction Act’) shall not apply to the voluntary col-
18 lection of information by the Department during an inves-
19 tigation of, a response to, or an immediate post-response
20 review of, the specific significant incident leading to a dec-
21 laration or renewal.

22 “**SEC. 2236. RULE OF CONSTRUCTION.**

23 “Nothing in this subtitle shall be construed to impair
24 or limit the ability of the Director to carry out the author-

1 ized activities of the Cybersecurity and Infrastructure Secu-
2 rity Agency.

3 **“SEC. 2237. AUTHORIZATION OF APPROPRIATIONS.**

4 “There are authorized to be appropriated to the Fund
5 \$20,000,000 for fiscal year 2022, which shall remain avail-
6 able until September 30, 2028.

7 **“SEC. 2238. SUNSET.**

8 “The authorities granted to the Secretary or the Direc-
9 tor under this subtitle shall expire on the date that is 7
10 years after the date of enactment of this subtitle.”.

11 (b) **CLERICAL AMENDMENT.**—The table of contents in
12 section 1(b) of the Homeland Security Act of 2002 (Public
13 Law 107–296; 116 Stat. 2135) is amended by adding at
14 the end the following:

“Subtitle C—Declaration of a Significant Incident

“Sec. 2231. Sense of Congress.

“Sec. 2232. Definitions.

“Sec. 2233. Declaration.

“Sec. 2234. Cyber response and recovery fund.

“Sec. 2235. Notification and reporting.

“Sec. 2236. Rule of construction.

“Sec. 2237. Authorization of appropriations.

“Sec. 2238. Sunset.”.

15 **TITLE III—PERSONNEL**
16 **Subtitle A—Facilitating Federal**
17 **Employee Reskilling**

18 **SEC. 4301. SHORT TITLE.**

19 This subtitle may be cited as the “Facilitating Federal
20 Employee Reskilling Act”.

1 **SEC. 4302. RESKILLING FEDERAL EMPLOYEES.**

2 (a) *DEFINITIONS.—In this section:*

3 (1) *AGENCY.—The term “agency” has the mean-*
4 *ing given the term “Executive agency” in section 105*
5 *of title 5, United States Code.*

6 (2) *APPROPRIATE COMMITTEES OF CONGRESS.—*
7 *The term “appropriate committees of Congress”*
8 *means—*

9 (A) *the Committee on Homeland Security*
10 *and Governmental Affairs of the Senate; and*

11 (B) *the Committee on Oversight and Reform*
12 *of the House of Representatives.*

13 (3) *COMPETITIVE SERVICE.—The term “competi-*
14 *tive service” has the meaning given the term in sec-*
15 *tion 2102 of title 5, United States Code.*

16 (4) *DIRECTOR.—The term “Director” means the*
17 *Director of the Office of Personnel Management.*

18 (5) *EMPLOYEE.—The term “employee” means an*
19 *employee serving in a position in the competitive*
20 *service or the excepted service.*

21 (6) *EXCEPTED SERVICE.—The term “excepted*
22 *service” has the meaning given the term in section*
23 *2103 of title 5, United States Code.*

24 (7) *FEDERAL RESKILLING PROGRAM.—The term*
25 *“Federal reskilling program” means a program estab-*
26 *lished by the head of an agency or the Director to*

1 *provide employees with the technical skill or expertise*
2 *that would qualify the employees to serve in a dif-*
3 *ferent position in the competitive service or the ex-*
4 *cepted service that requires such technical skill or ex-*
5 *pertise.*

6 *(b) REQUIREMENTS.—With respect to a Federal*
7 *reskilling program established by the head of an agency or*
8 *by the Director before, on, or after the date of enactment*
9 *of this Act, the agency head or the Director, as applicable,*
10 *shall ensure that the Federal reskilling program—*

11 *(1) is implemented in a manner that is in ac-*
12 *cordance with the bar on prohibited personnel prac-*
13 *tices under section 2302 of title 5, United States*
14 *Code, and consistent with the merit system principles*
15 *under section 2301 of title 5, United States Code, in-*
16 *cluding by using merit-based selection procedures for*
17 *participation by employees in the Federal reskilling*
18 *program;*

19 *(2) includes appropriate limitations or restric-*
20 *tions associated with implementing the Federal*
21 *reskilling program, which shall be consistent with any*
22 *regulations prescribed by the Director under sub-*
23 *section (e);*

24 *(3) provides that any new position to which an*
25 *employee who participates in the Federal reskilling*

1 *program is transferred will utilize the technical skill*
2 *or expertise that the employee acquired by partici-*
3 *parting in the Federal reskilling program;*

4 *(4) includes the option for an employee partici-*
5 *pating in the Federal reskilling program to return to*
6 *the original position of the employee, or a similar po-*
7 *sition, particularly if the employee is unsuccessful in*
8 *the position to which the employee transfers after*
9 *completing the Federal reskilling program;*

10 *(5) provides that an employee who successfully*
11 *completes the Federal reskilling program and trans-*
12 *fers to a position that requires the technical skill or*
13 *expertise provided through the Federal reskilling pro-*
14 *gram shall be entitled to have the grade of the posi-*
15 *tion held immediately before the transfer in a manner*
16 *in accordance with section 5362 of title 5, United*
17 *States Code;*

18 *(6) provides that an employee serving in a posi-*
19 *tion in the excepted service may not transfer to a po-*
20 *sition in the competitive service solely by reason of*
21 *the completion of the Federal reskilling program by*
22 *the employee; and*

23 *(7) includes a mechanism to track outcomes of*
24 *the Federal reskilling program in accordance with the*
25 *metrics established under subsection (c).*

1 (c) *REPORTING AND METRICS.*—Not later than 1 year
2 after the date of enactment of this Act, the Director shall
3 establish reporting requirements for, and standardized
4 metrics and procedures for agencies to track outcomes of,
5 Federal reskilling programs, which shall include, with re-
6 spect to each Federal reskilling program—

7 (1) providing a summary of the Federal
8 reskilling program;

9 (2) collecting and reporting demographic and
10 employment data with respect to employees who have
11 applied for, participated in, or completed the Federal
12 reskilling program;

13 (3) attrition of employees who have completed
14 the Federal reskilling program; and

15 (4) any other measures or outcomes that the Di-
16 rector determines to be relevant.

17 (d) *GAO REPORT.*—Not later than 3 years after the
18 date of enactment of this Act, the Comptroller General of
19 the United States shall conduct a comprehensive study of,
20 and submit to Congress a report on, Federal reskilling pro-
21 grams that includes—

22 (1) a summary of each Federal reskilling pro-
23 gram and methods by which each Federal reskilling
24 program recruits, selects, and retrain employees;

1 (2) *an analysis of the accessibility of each Fed-*
2 *eral reskilling program for a diverse set of candidates;*

3 (3) *an evaluation of the effectiveness, costs, and*
4 *benefits of the Federal reskilling programs; and*

5 (4) *recommendations to improve Federal*
6 *reskilling programs to accomplish the goal of*
7 *reskilling the Federal workforce.*

8 *(e) REGULATIONS.—The Director—*

9 (1) *not later than 1 year after the date of enact-*
10 *ment of this Act, shall prescribe regulations for the re-*
11 *porting requirements and metrics and procedures*
12 *under subsection (c);*

13 (2) *may prescribe additional regulations, as the*
14 *Director determines necessary, to provide for require-*
15 *ments with respect to, and the implementation of,*
16 *Federal reskilling programs; and*

17 (3) *with respect to any regulation prescribed*
18 *under this subsection, shall brief the appropriate com-*
19 *mittees of Congress with respect to the regulation not*
20 *later than 30 days before the date on which the final*
21 *version of the regulation is published.*

22 *(f) RULE OF CONSTRUCTION.—Nothing in this section*
23 *may be construed to require the head of an agency or the*
24 *Director to establish a Federal reskilling program.*

1 (g) *USE OF FUNDS.*—Any Federal reskilling program
2 established by the head of an agency or the Director shall
3 be carried out using amounts otherwise made available to
4 that agency head or the Director, as applicable.

5 ***Subtitle B—Federal Rotational***
6 ***Cyber Workforce Program***

7 ***SEC. 4351. SHORT TITLE.***

8 This subtitle may be cited as the “Federal Rotational
9 Cyber Workforce Program Act of 2021”.

10 ***SEC. 4352. DEFINITIONS.***

11 In this subtitle:

12 (1) *AGENCY.*—The term “agency” has the mean-
13 ing given the term “Executive agency” in section 105
14 of title 5, United States Code, except that the term
15 does not include the Government Accountability Of-
16 fice.

17 (2) *COMPETITIVE SERVICE.*—The term “competi-
18 tive service” has the meaning given that term in sec-
19 tion 2102 of title 5, United States Code.

20 (3) *COUNCILS.*—The term “Councils” means—

21 (A) the Chief Human Capital Officers
22 Council established under section 1303 of the
23 Chief Human Capital Officers Act of 2002 (5
24 U.S.C. 1401 note); and

1 (B) *the Chief Information Officers Council*
2 *established under section 3603 of title 44, United*
3 *States Code.*

4 (4) *CYBER WORKFORCE POSITION.*—*The term*
5 *“cyber workforce position” means a position identi-*
6 *fied as having information technology, cybersecurity,*
7 *or other cyber-related functions under section 303 of*
8 *the Federal Cybersecurity Workforce Assessment Act of*
9 *2015 (5 U.S.C. 301 note).*

10 (5) *DIRECTOR.*—*The term “Director” means the*
11 *Director of the Office of Personnel Management.*

12 (6) *EMPLOYEE.*—*The term “employee” has the*
13 *meaning given the term in section 2105 of title 5,*
14 *United States Code.*

15 (7) *EMPLOYING AGENCY.*—*The term “employing*
16 *agency” means the agency from which an employee is*
17 *detailed to a rotational cyber workforce position.*

18 (8) *EXCEPTED SERVICE.*—*The term “excepted*
19 *service” has the meaning given that term in section*
20 *2103 of title 5, United States Code.*

21 (9) *ROTATIONAL CYBER WORKFORCE POSI-*
22 *TION.*—*The term “rotational cyber workforce posi-*
23 *tion” means a cyber workforce position with respect*
24 *to which a determination has been made under sec-*
25 *tion 4353(a)(1).*

1 (10) *ROTATIONAL CYBER WORKFORCE PRO-*
2 *GRAM.*—*The term “rotational cyber workforce pro-*
3 *gram” means the program for the detail of employees*
4 *among rotational cyber workforce positions at agen-*
5 *cies.*

6 (11) *SECRETARY.*—*The term “Secretary” means*
7 *the Secretary of Homeland Security.*

8 **SEC. 4353. ROTATIONAL CYBER WORKFORCE POSITIONS.**

9 (a) *DETERMINATION WITH RESPECT TO ROTATIONAL*
10 *SERVICE.*—

11 (1) *IN GENERAL.*—*The head of each agency may*
12 *determine that a cyber workforce position in that*
13 *agency is eligible for the rotational cyber workforce*
14 *program, which shall not be construed to modify the*
15 *requirement under section 4354(b)(3) that participa-*
16 *tion in the rotational cyber workforce program by an*
17 *employee shall be voluntary.*

18 (2) *NOTICE PROVIDED.*—*The head of an agency*
19 *shall submit to the Director—*

20 (A) *notice regarding any determination*
21 *made by the head of the agency under paragraph*
22 *(1); and*

23 (B) *for each position with respect to which*
24 *the head of the agency makes a determination*

1 *under paragraph (1), the information required*
2 *under subsection (b)(1).*

3 ***(b) PREPARATION OF LIST.—The Director, with assist-***
4 ***ance from the Councils and the Secretary, shall develop a***
5 ***list of rotational cyber workforce positions that—***

6 ***(1) with respect to each such position, to the ex-***
7 ***tent that the information does not disclose sensitive***
8 ***national security information, includes—***

9 ***(A) the title of the position;***

10 ***(B) the occupational series with respect to***
11 ***the position;***

12 ***(C) the grade level or work level with respect***
13 ***to the position;***

14 ***(D) the agency in which the position is lo-***
15 ***cated;***

16 ***(E) the duty location with respect to the po-***
17 ***sition; and***

18 ***(F) the major duties and functions of the***
19 ***position; and***

20 ***(2) shall be used to support the rotational cyber***
21 ***workforce program.***

22 ***(c) DISTRIBUTION OF LIST.—Not less frequently than***
23 ***annually, the Director shall distribute an updated list de-***
24 ***veloped under subsection (b) to the head of each agency and***
25 ***other appropriate entities.***

1 **SEC. 4354. ROTATIONAL CYBER WORKFORCE PROGRAM.**

2 (a) *OPERATION PLAN.*—

3 (1) *IN GENERAL.*—Not later than 270 days after
4 the date of enactment of this Act, and in consultation
5 with the Councils, the Secretary, representatives of
6 other agencies, and any other entity as the Director
7 determines appropriate, the Director shall develop
8 and issue a Federal Rotational Cyber Workforce Pro-
9 gram operation plan providing policies, processes,
10 and procedures for a program for the detailing of em-
11 ployees among rotational cyber workforce positions at
12 agencies, which may be incorporated into and imple-
13 mented through mechanisms in existence on the date
14 of enactment of this Act.

15 (2) *UPDATING.*—The Director may, in consulta-
16 tion with the Councils, the Secretary, and other enti-
17 ties as the Director determines appropriate, periodi-
18 cally update the operation plan developed and issued
19 under paragraph (1).

20 (b) *REQUIREMENTS.*—The operation plan developed
21 and issued under subsection (a) shall, at a minimum—

22 (1) identify agencies for participation in the ro-
23 tational cyber workforce program;

24 (2) establish procedures for the rotational cyber
25 workforce program, including—

1 (A) any training, education, or career de-
2 velopment requirements associated with partici-
3 pation in the rotational cyber workforce pro-
4 gram;

5 (B) any prerequisites or requirements for
6 participation in the rotational cyber workforce
7 program; and

8 (C) appropriate rotational cyber workforce
9 program performance measures, reporting re-
10 quirements, employee exit surveys, and other ac-
11 countability devices for the evaluation of the pro-
12 gram;

13 (3) provide that participation in the rotational
14 cyber workforce program by an employee shall be vol-
15 untary;

16 (4) provide that an employee shall be eligible to
17 participate in the rotational cyber workforce program
18 if the head of the employing agency of the employee,
19 or a designee of the head of the employing agency of
20 the employee, approves of the participation of the em-
21 ployee;

22 (5) provide that the detail of an employee to a
23 rotational cyber workforce position under the rota-
24 tional cyber workforce program shall be on a nonre-
25 imbursable basis;

1 (6) provide that agencies may agree to partner
2 to ensure that the employing agency of an employee
3 who participates in the rotational cyber workforce
4 program is able to fill the position vacated by the em-
5 ployee;

6 (7) require that an employee detailed to a rota-
7 tional cyber workforce position under the rotational
8 cyber workforce program, upon the end of the period
9 of service with respect to the detail, shall be entitled
10 to return to the position held by the employee, or an
11 equivalent position, in the employing agency of the
12 employee without loss of pay, seniority, or other
13 rights or benefits to which the employee would have
14 been entitled had the employee not been detailed;

15 (8) provide that discretion with respect to the as-
16 signment of an employee under the rotational cyber
17 workforce program shall remain with the employing
18 agency of the employee;

19 (9) require that an employee detailed to a rota-
20 tional cyber workforce position under the rotational
21 cyber workforce program in an agency that is not the
22 employing agency of the employee shall have all the
23 rights that would be available to the employee if the
24 employee were detailed under a provision of law other
25 than this subtitle from the employing agency to the

1 *agency in which the rotational cyber workforce posi-*
2 *tion is located;*

3 *(10) provide that participation by an employee*
4 *in the rotational cyber workforce program shall not*
5 *constitute a change in the conditions of the employ-*
6 *ment of the employee; and*

7 *(11) provide that an employee participating in*
8 *the rotational cyber workforce program shall receive*
9 *performance evaluations relating to service in the ro-*
10 *tational cyber workforce program in a participating*
11 *agency that are—*

12 *(A) prepared by an appropriate officer, su-*
13 *pervisor, or management official of the employ-*
14 *ing agency, acting in coordination with the su-*
15 *pervisor at the agency in which the employee is*
16 *performing service in the rotational cyber work-*
17 *force position;*

18 *(B) based on objectives identified in the op-*
19 *eration plan with respect to the employee; and*

20 *(C) based in whole or in part on the con-*
21 *tribution of the employee to the agency in which*
22 *the employee performed such service, as commu-*
23 *nicated from that agency to the employing agen-*
24 *cy of the employee.*

1 (c) *PROGRAM REQUIREMENTS FOR ROTATIONAL SERV-*
2 *ICE.*—

3 (1) *IN GENERAL.*—*An employee serving in a*
4 *cyber workforce position in an agency may, with the*
5 *approval of the head of the agency, submit an appli-*
6 *cation for detail to a rotational cyber workforce posi-*
7 *tion that appears on the list developed under section*
8 *4353(b).*

9 (2) *OPM APPROVAL FOR CERTAIN POSITIONS.*—
10 *An employee serving in a position in the excepted*
11 *service may only be selected for a rotational cyber*
12 *workforce position that is in the competitive service*
13 *with the prior approval of the Office of Personnel*
14 *Management, in accordance with section 300.301 of*
15 *title 5, Code of Federal Regulations, or any successor*
16 *thereto.*

17 (3) *SELECTION AND TERM.*—

18 (A) *SELECTION.*—*The head of an agency*
19 *shall select an employee for a rotational cyber*
20 *workforce position under the rotational cyber*
21 *workforce program in a manner that is con-*
22 *sistent with the merit system principles under*
23 *section 2301(b) of title 5, United States Code.*

24 (B) *TERM.*—*Except as provided in sub-*
25 *paragraph (C), and notwithstanding section*

1 3341(b) of title 5, United States Code, a detail
2 to a rotational cyber workforce position shall be
3 for a period of not less than 180 days and not
4 more than 1 year.

5 (C) *EXTENSION.*—The Chief Human Cap-
6 ital Officer of the agency to which an employee
7 is detailed under the rotational cyber workforce
8 program may extend the period of a detail de-
9 scribed in subparagraph (B) for a period of 60
10 days unless the Chief Human Capital Officer of
11 the employing agency of the employee objects to
12 that extension.

13 (4) *WRITTEN SERVICE AGREEMENTS.*—

14 (A) *IN GENERAL.*—The detail of an em-
15 ployee to a rotational cyber workforce position
16 shall be contingent upon the employee entering
17 into a written service agreement with the em-
18 ploying agency under which the employee is re-
19 quired to complete a period of employment with
20 the employing agency following the conclusion of
21 the detail that is equal in length to the period of
22 the detail.

23 (B) *OTHER AGREEMENTS AND OBLIGA-*
24 *TIONS.*—A written service agreement under sub-
25 paragraph (A) shall not supersede or modify the

1 *terms or conditions of any other service agree-*
2 *ment entered into by the employee under any*
3 *other authority or relieve the obligations between*
4 *the employee and the employing agency under*
5 *such a service agreement. Nothing in this sub-*
6 *paragraph prevents an employing agency from*
7 *terminating a service agreement entered into*
8 *under any other authority under the terms of*
9 *such agreement or as required by law or regula-*
10 *tion.*

11 **SEC. 4355. REPORTING BY GAO.**

12 *Not later than the end of the third fiscal year after*
13 *the fiscal year in which the operation plan under section*
14 *4354(a) is issued, the Comptroller General of the United*
15 *States shall submit to Congress a report assessing the oper-*
16 *ation and effectiveness of the rotational cyber workforce pro-*
17 *gram, which shall address, at a minimum—*

18 *(1) the extent to which agencies have partici-*
19 *ipated in the rotational cyber workforce program, in-*
20 *cluding whether the head of each such participating*
21 *agency has—*

22 *(A) identified positions within the agency*
23 *that are rotational cyber workforce positions;*

1 (B) had employees from other participating
2 agencies serve in positions described in subpara-
3 graph (A); and

4 (C) had employees of the agency request to
5 serve in rotational cyber workforce positions
6 under the rotational cyber workforce program in
7 participating agencies, including a description
8 of how many such requests were approved; and

9 (2) the experiences of employees serving in rota-
10 tional cyber workforce positions under the rotational
11 cyber workforce program, including an assessment
12 of—

13 (A) the period of service;

14 (B) the positions (including grade level and
15 occupational series or work level) held by em-
16 ployees before completing service in a rotational
17 cyber workforce position under the rotational
18 cyber workforce program;

19 (C) the extent to which each employee who
20 completed service in a rotational cyber workforce
21 position under the rotational cyber workforce
22 program achieved a higher skill level, or attained
23 a skill level in a different area, with respect to
24 information technology, cybersecurity, or other
25 cyber-related functions; and

1 (D) the extent to which service in rotational
2 cyber workforce positions has affected intra-agency
3 and interagency integration and coordination
4 of cyber practices, functions, and personnel management.
5

6 **SEC. 4356. SUNSET.**

7 Effective 5 years after the date of enactment of this
8 Act, this subtitle is repealed.

9 **TITLE IV—OTHER MATTERS**
10 **Subtitle A—Ensuring Security of**
11 **Unmanned Aircraft Systems**

12 **SEC. 4401. SHORT TITLE.**

13 This subtitle may be cited as the “American Security
14 Drone Act of 2021”.

15 **SEC. 4402. DEFINITIONS.**

16 In this subtitle:

17 (1) **COVERED FOREIGN ENTITY.**—The term “covered
18 foreign entity” means an entity included on a
19 list developed and maintained by the Federal Acquisition
20 Security Council. This list will include entities
21 in the following categories:

22 (A) An entity included on the Consolidated
23 Screening List.

24 (B) Any entity that is subject to
25 extrajudicial direction from a foreign govern-

1 *ment, as determined by the Secretary of Home-*
2 *land Security.*

3 *(C) Any entity the Secretary of Homeland*
4 *Security, in coordination with the Director of*
5 *National Intelligence and the Secretary of De-*
6 *fense, determines poses a national security risk.*

7 *(D) Any entity domiciled in the People’s*
8 *Republic of China or subject to influence or con-*
9 *trol by the Government of the People’s Republic*
10 *of China or the Communist Party of the People’s*
11 *Republic of China, as determined by the Sec-*
12 *retary of Homeland Security.*

13 *(E) Any subsidiary or affiliate of an entity*
14 *described in subparagraphs (A) through (D).*

15 (2) **COVERED UNMANNED AIRCRAFT SYSTEM.**—
16 *The term “covered unmanned aircraft system” has the*
17 *meaning given the term “unmanned aircraft system”*
18 *in section 44801 of title 49, United States Code.*

19 **SEC. 4403. PROHIBITION ON PROCUREMENT OF COVERED**
20 **UNMANNED AIRCRAFT SYSTEMS FROM COV-**
21 **ERED FOREIGN ENTITIES.**

22 (a) **IN GENERAL.**—*Except as provided under sub-*
23 *sections (b) through (f), the head of an executive agency may*
24 *not procure any covered unmanned aircraft system that are*
25 *manufactured or assembled by a covered foreign entity,*

1 *which includes associated elements (consisting of commu-*
2 *nication links and the components that control the un-*
3 *manned aircraft) that are required for the operator to oper-*
4 *ate safely and efficiently in the national airspace system.*
5 *The Federal Acquisition Security Council, in coordination*
6 *with the Secretary of Transportation, shall develop and up-*
7 *date a list of associated elements.*

8 (b) *EXEMPTION.—The Secretary of Homeland Secu-*
9 *rity, the Secretary of Defense, and the Attorney General are*
10 *exempt from the restriction under subsection (a) if the oper-*
11 *ation or procurement—*

12 (1) *is for the sole purposes of research, evalua-*
13 *tion, training, testing, or analysis for—*

14 (A) *electronic warfare;*

15 (B) *information warfare operations;*

16 (C) *development of UAS or counter-UAS*
17 *technology;*

18 (D) *counterterrorism or counterintelligence*
19 *activities; or*

20 (E) *Federal criminal or national security*
21 *investigations, including forensic examinations;*

22 *and*

23 (2) *is required in the national interest of the*
24 *United States.*

1 (c) *FEDERAL AVIATION ADMINISTRATION CENTER OF*
2 *EXCELLENCE FOR UNMANNED AIRCRAFT SYSTEMS EXEMP-*
3 *TION.*—*The Secretary of Transportation, in consultation*
4 *with the Secretary of Homeland Security, is exempt from*
5 *the restriction under subsection (a) if the operation or pro-*
6 *curement is for the sole purposes of research, evaluation,*
7 *training, testing, or analysis for the Federal Aviation Ad-*
8 *ministration’s Alliance for System Safety of UAS through*
9 *Research Excellence (ASSURE) Center of Excellence (COE)*
10 *for Unmanned Aircraft Systems.*

11 (d) *NATIONAL TRANSPORTATION SAFETY BOARD EX-*
12 *EMPTION.*—*The National Transportation Safety Board*
13 *(NTSB), in consultation with the Secretary of Homeland*
14 *Security, is exempt from the restriction under subsection*
15 *(a) if the operation or procurement is necessary for the sole*
16 *purpose of conducting safety investigations.*

17 (e) *NATIONAL OCEANIC ATMOSPHERIC ADMINISTRA-*
18 *TION EXEMPTION.*—*The Administrator of the National Oce-*
19 *anic Atmospheric Administration (NOAA), in consultation*
20 *with the Secretary of Homeland Security, is exempt from*
21 *the restriction under subsection (a) if the operation or pro-*
22 *curement is necessary for the sole purpose of marine or at-*
23 *mospheric science or management.*

1 (f) *WAIVER.*—*The head of an executive agency may*
2 *waive the prohibition under subsection (a) on a case-by-*
3 *case basis—*

4 (1) *with the approval of the Secretary of Home-*
5 *land Security or the Secretary of Defense; and*

6 (2) *upon notification to Congress.*

7 **SEC. 4404. PROHIBITION ON OPERATION OF COVERED UN-**
8 **MANNED AIRCRAFT SYSTEMS FROM COVERED**
9 **FOREIGN ENTITIES.**

10 (a) *PROHIBITION.*—

11 (1) *IN GENERAL.*—*Beginning on the date that is*
12 *2 years after the date of the enactment of this Act, no*
13 *Federal department or agency may operate a covered*
14 *unmanned aircraft system manufactured or assembled*
15 *by a covered foreign entity.*

16 (2) *APPLICABILITY TO CONTRACTED SERVICES.*—

17 *The prohibition under paragraph (1) applies to any*
18 *covered unmanned aircraft systems that are being*
19 *used by any executive agency through the method of*
20 *contracting for the services of covered unmanned air-*
21 *craft systems.*

22 (b) *EXEMPTION.*—*The Secretary of Homeland Secu-*
23 *rity, the Secretary of Defense, and the Attorney General are*
24 *exempt from the restriction under subsection (a) if the oper-*
25 *ation or procurement—*

1 (1) *is for the sole purposes of research, evalua-*
2 *tion, training, testing, or analysis for—*

3 (A) *electronic warfare;*

4 (B) *information warfare operations;*

5 (C) *development of UAS or counter-UAS*
6 *technology;*

7 (D) *counterterrorism or counterintelligence*
8 *activities; or*

9 (E) *Federal criminal or national security*
10 *investigations, including forensic examinations;*

11 *and*

12 (2) *is required in the national interest of the*
13 *United States.*

14 (c) *FEDERAL AVIATION ADMINISTRATION CENTER OF*
15 *EXCELLENCE FOR UNMANNED AIRCRAFT SYSTEMS EXEMP-*
16 *TION.—The Secretary of Transportation, in consultation*
17 *with the Secretary of Homeland Security, is exempt from*
18 *the restriction under subsection (a) if the operation or pro-*
19 *curement is for the sole purposes of research, evaluation,*
20 *training, testing, or analysis for the Federal Aviation Ad-*
21 *ministration’s Alliance for System Safety of UAE through*
22 *Research Excellence (ASSURE) Center of Excellence (COE)*
23 *for Unmanned Aircraft Systems.*

24 (d) *NATIONAL TRANSPORTATION SAFETY BOARD EX-*
25 *EMPTION.—The National Transportation Safety Board*

1 *(NTSB), in consultation with the Secretary of Homeland*
2 *Security, is exempt from the restriction under subsection*
3 *(a) if the operation or procurement is necessary for the sole*
4 *purpose of conducting safety investigations.*

5 *(e) NATIONAL OCEANIC ATMOSPHERIC ADMINISTRA-*
6 *TION EXEMPTION.—The Administrator of the National Oce-*
7 *anic Atmospheric Administration (NOAA), in consultation*
8 *with the Secretary of Homeland Security, is exempt from*
9 *the restriction under subsection (a) if the operation or pro-*
10 *curement is necessary for the sole purpose of marine or at-*
11 *mospheric science or management.*

12 *(f) WAIVER.—The head of an executive agency may*
13 *waive the prohibition under subsection (a) on a case-by-*
14 *case basis—*

15 *(1) with the approval of the Secretary of Home-*
16 *land Security or the Secretary of Defense; and*

17 *(2) upon notification to Congress.*

18 *(g) REGULATIONS AND GUIDANCE.—Not later than*
19 *180 days after the date of the enactment of this Act, the*
20 *Secretary of Homeland Security shall prescribe regulations*
21 *or guidance to implement this section.*

1 **SEC. 4405. PROHIBITION ON USE OF FEDERAL FUNDS FOR**
2 **PURCHASES AND OPERATION OF COVERED**
3 **UNMANNED AIRCRAFT SYSTEMS FROM COV-**
4 **ERED FOREIGN ENTITIES.**

5 (a) *IN GENERAL.*—Beginning on the date that is 2
6 years after the date of the enactment of this Act, except as
7 provided in subsection (b), no Federal funds awarded
8 through a contract, grant, or cooperative agreement, or oth-
9 erwise made available may be used—

10 (1) to purchase a covered unmanned aircraft sys-
11 tem, or a system to counter unmanned aircraft sys-
12 tems, that is manufactured or assembled by a covered
13 foreign entity; or

14 (2) in connection with the operation of such a
15 drone or unmanned aircraft system.

16 (b) *EXEMPTION.*—A Federal department or agency is
17 exempt from the restriction under subsection (a) if—

18 (1) the contract, grant, or cooperative agreement
19 was awarded prior to the date of the enactment of
20 this Act; or

21 (2) the operation or procurement is for the sole
22 purposes of research, evaluation, training, testing, or
23 analysis, as determined by the Secretary of Homeland
24 Security, the Secretary of Defense, or the Attorney
25 General, for—

26 (A) electronic warfare;

- 1 (B) information warfare operations;
- 2 (C) development of UAS or counter-UAS
- 3 technology;
- 4 (D) counterterrorism or counterintelligence
- 5 activities; or
- 6 (E) Federal criminal or national security
- 7 investigations, including forensic examinations;
- 8 or
- 9 (F) the safe integration of UAS in the na-
- 10 tional airspace (as determined in consultation
- 11 with the Secretary of Transportation); and
- 12 (3) is required in the national interest of the
- 13 United States.

14 (c) *WAIVER.*—The head of an executive agency may

15 waive the prohibition under subsection (a) on a case-by-

16 case basis—

17 (1) with the approval of the Secretary of Home-

18 land Security or the Secretary of Defense; and

19 (2) upon notification to Congress.

20 (d) *REGULATIONS.*—Not later than 180 days after the

21 date of the enactment of this Act, the Federal Acquisition

22 Regulatory Council shall prescribe regulations or guidance,

23 as necessary, to implement the requirements of this section

24 pertaining to Federal contracts.

1 **SEC. 4406. PROHIBITION ON USE OF GOVERNMENT-ISSUED**
2 **PURCHASE CARDS TO PURCHASE COVERED**
3 **UNMANNED AIRCRAFT SYSTEMS FROM COV-**
4 **ERED FOREIGN ENTITIES.**

5 *Effective immediately, Government-issued Purchase*
6 *Cards may not be used to procure any covered unmanned*
7 *aircraft system from a covered foreign entity.*

8 **SEC. 4407. MANAGEMENT OF EXISTING INVENTORIES OF**
9 **COVERED UNMANNED AIRCRAFT SYSTEMS**
10 **FROM COVERED FOREIGN ENTITIES.**

11 *(a) IN GENERAL.—Effective immediately, all executive*
12 *agencies must account for existing inventories of covered*
13 *unmanned aircraft systems manufactured or assembled by*
14 *a covered foreign entity in their personal property account-*
15 *ing systems, regardless of the original procurement cost, or*
16 *the purpose of procurement due to the special monitoring*
17 *and accounting measures necessary to track the items' capa-*
18 *bilities.*

19 *(b) CLASSIFIED TRACKING.—Due to the sensitive na-*
20 *ture of missions and operations conducted by the United*
21 *States Government, inventory data related to covered un-*
22 *manned aircraft systems manufactured or assembled by a*
23 *covered foreign entity may be tracked at a classified level.*

24 *(c) EXCEPTIONS.—The Department of Defense and De-*
25 *partment of Homeland Security may exclude from the full*
26 *inventory process, covered unmanned aircraft systems that*

1 *are deemed expendable due to mission risk such as recovery*
2 *issues or that are one-time-use covered unmanned aircraft*
3 *due to requirements and low cost.*

4 **SEC. 4408. COMPTROLLER GENERAL REPORT.**

5 *Not later than 275 days after the date of the enactment*
6 *of this Act, the Comptroller General of the United States*
7 *shall submit to Congress a report on the amount of commer-*
8 *cial off-the-shelf drones and covered unmanned aircraft sys-*
9 *tems procured by Federal departments and agencies from*
10 *covered foreign entities.*

11 **SEC. 4409. GOVERNMENT-WIDE POLICY FOR PROCUREMENT**

12 **OF UNMANNED AIRCRAFT SYSTEMS.**

13 *(a) IN GENERAL.—Not later than 180 days after the*
14 *date of the enactment of this Act, the Director of the Office*
15 *of Management and Budget, in coordination with the De-*
16 *partment of Homeland Security, Department of Transpor-*
17 *tation, the Department of Justice, and other Departments*
18 *as determined by the Director of the Office of Management*
19 *and Budget, and in consultation with the National Insti-*
20 *tute of Standards and Technology, shall establish a govern-*
21 *ment-wide policy for the procurement of UAS—*

22 *(1) for non-Department of Defense and non-in-*
23 *telligence community operations; and*

24 *(2) through grants and cooperative agreements*
25 *entered into with non-Federal entities.*

1 (b) *INFORMATION SECURITY.*—*The policy developed*
2 *under subsection (a) shall include the following specifica-*
3 *tions, which to the extent practicable, shall be based on in-*
4 *dustry standards and technical guidance from the National*
5 *Institute of Standards and Technology, to address the risks*
6 *associated with processing, storing and transmitting Fed-*
7 *eral information in a UAS:*

8 (1) *Protections to ensure controlled access of*
9 *UAS.*

10 (2) *Protecting software, firmware, and hardware*
11 *by ensuring changes to UAS are properly managed,*
12 *including by ensuring UAS can be updated using a*
13 *secure, controlled, and configurable mechanism.*

14 (3) *Cryptographically securing sensitive col-*
15 *lected, stored, and transmitted data, including proper*
16 *handling of privacy data and other controlled unclas-*
17 *sified information.*

18 (4) *Appropriate safeguards necessary to protect*
19 *sensitive information, including during and after use*
20 *of UAS.*

21 (5) *Appropriate data security to ensure that*
22 *data is not transmitted to or stored in non-approved*
23 *locations.*

24 (6) *The ability to opt out of the uploading,*
25 *downloading, or transmitting of data that is not re-*

1 *quired by law or regulation and an ability to choose*
2 *with whom and where information is shared when it*
3 *is required.*

4 *(c) REQUIREMENT.—The policy developed under sub-*
5 *section (a) shall reflect an appropriate risk-based approach*
6 *to information security related to use of UAS.*

7 *(d) REVISION OF ACQUISITION REGULATIONS.—Not*
8 *later than 180 days after the date on which the policy re-*
9 *quired under subsection (a) is issued—*

10 *(1) the Federal Acquisition Regulatory Council*
11 *shall revise the Federal Acquisition Regulation, as*
12 *necessary, to implement the policy; and*

13 *(2) any Federal department or agency or other*
14 *Federal entity not subject to, or not subject solely to,*
15 *the Federal Acquisition Regulation shall revise appli-*
16 *cable policy, guidance, or regulations, as necessary, to*
17 *implement the policy.*

18 *(e) EXEMPTION.—In developing the policy required*
19 *under subsection (a), the Director of the Office of Manage-*
20 *ment and Budget shall incorporate an exemption to the pol-*
21 *icy for the following reasons:*

22 *(1) In the case of procurement for the purposes*
23 *of training, testing, or analysis for—*

24 *(A) electronic warfare; or*

25 *(B) information warfare operations.*

1 (2) *In the case of researching UAS technology,*
2 *including testing, evaluation, research, or develop-*
3 *ment of technology to counter UAS.*

4 (3) *In the case of a head of the procuring depart-*
5 *ment or agency determining, in writing, that no*
6 *product that complies with the information security*
7 *requirements described in subsection (b) is capable of*
8 *fulfilling mission critical performance requirements,*
9 *and such determination—*

10 (A) *may not be delegated below the level of*
11 *the Deputy Secretary of the procuring depart-*
12 *ment or agency;*

13 (B) *shall specify—*

14 (i) *the quantity of end items to which*
15 *the waiver applies, the procurement value of*
16 *which may not exceed \$50,000 per waiver;*
17 *and*

18 (ii) *the time period over which the*
19 *waiver applies, which shall not exceed 3*
20 *years;*

21 (C) *shall be reported to the Office of Man-*
22 *agement and Budget following issuance of such a*
23 *determination; and*

24 (D) *not later than 30 days after the date on*
25 *which the determination is made, shall be pro-*

1 *vided to the Committee on Homeland Security*
2 *and Governmental Affairs of the Senate and the*
3 *Committee on Oversight and Reform of the*
4 *House of Representatives.*

5 **SEC. 4410. STUDY.**

6 (a) *INDEPENDENT STUDY.*—*Not later than 3 years*
7 *after the date of the enactment of this Act, the Director of*
8 *the Office of Management and Budget shall seek to enter*
9 *into a contract with a federally funded research and devel-*
10 *opment center under which the center will conduct a study*
11 *of—*

12 (1) *the current and future unmanned aircraft*
13 *system global and domestic market;*

14 (2) *the ability of the unmanned aircraft system*
15 *domestic market to keep pace with technological ad-*
16 *vancements across the industry;*

17 (3) *the ability of domestically made unmanned*
18 *aircraft systems to meet the network security and*
19 *data protection requirements of the national security*
20 *enterprise;*

21 (4) *the extent to which unmanned aircraft sys-*
22 *tem component parts, such as the parts described in*
23 *section 4403, are made domestically; and*

1 (5) *an assessment of the economic impact, in-*
2 *cluding cost, of excluding the use of foreign-made*
3 *UAS for use across the Federal Government.*

4 (b) *SUBMISSION TO OMB.*—*Upon completion of the*
5 *study in subsection (a), the federally funded research and*
6 *development center shall submit the study to the Director*
7 *of the Office of Management and Budget.*

8 (c) *SUBMISSION TO CONGRESS.*—*Not later than 30*
9 *days after the date on which the Director of the Office of*
10 *Management and Budget receives the study under sub-*
11 *section (b), the Director shall submit the study to—*

12 (1) *the Committee on Homeland Security and*
13 *Governmental Affairs and the Select Committee on*
14 *Intelligence of the Senate; and*

15 (2) *the Committee on Homeland Security and*
16 *the Committee on Oversight and Reform and the Per-*
17 *manent Select Committee on Intelligence of the House*
18 *of Representatives.*

19 **SEC. 4411. SUNSET.**

20 *Sections 4403, 4404, and 4405 shall cease to have effect*
21 *on the date that is 5 years after the date of the enactment*
22 *of this Act.*

1 **Subtitle B—No TikTok on**
2 **Government Devices**

3 **SEC. 4431. SHORT TITLE.**

4 *This subtitle may be cited as the “No TikTok on Gov-*
5 *ernment Devices Act”.*

6 **SEC. 4432. PROHIBITION ON THE USE OF TIKTOK.**

7 (a) *DEFINITIONS.—In this section—*

8 (1) *the term “covered application” means the so-*
9 *cial networking service TikTok or any successor ap-*
10 *plication or service developed or provided by*
11 *ByteDance Limited or an entity owned by ByteDance*
12 *Limited;*

13 (2) *the term “executive agency” has the meaning*
14 *given that term in section 133 of title 41, United*
15 *States Code; and*

16 (3) *the term “information technology” has the*
17 *meaning given that term in section 11101 of title 40,*
18 *United States Code.*

19 (b) *PROHIBITION ON THE USE OF TIKTOK.—*

20 (1) *IN GENERAL.—Not later than 60 days after*
21 *the date of the enactment of this Act, the Director of*
22 *the Office of Management and Budget, in consultation*
23 *with the Administrator of General Services, the Direc-*
24 *tor of the Cybersecurity and Infrastructure Security*
25 *Agency, the Director of National Intelligence, and the*

1 *Secretary of Defense, and consistent with the informa-*
2 *tion security requirements under subchapter II of*
3 *chapter 35 of title 44, United States Code, shall de-*
4 *velop standards and guidelines for executive agencies*
5 *requiring the removal of any covered application from*
6 *information technology.*

7 (2) *NATIONAL SECURITY AND RESEARCH EXCEP-*
8 *TIONS.—The standards and guidelines developed*
9 *under paragraph (1) shall include—*

10 (A) *exceptions for law enforcement activi-*
11 *ties, national security interests and activities,*
12 *and security researchers; and*

13 (B) *for any authorized use of a covered ap-*
14 *plication under an exception, requirements for*
15 *executive agencies to develop and document risk*
16 *mitigation actions for such use.*

17 ***Subtitle C—National Risk*** 18 ***Management***

19 ***SEC. 4461. SHORT TITLE.***

20 *This subtitle may be cited as the “National Risk Man-*
21 *agement Act of 2021”.*

22 ***SEC. 4462. NATIONAL RISK MANAGEMENT CYCLE.***

23 (a) *IN GENERAL.—Subtitle A of title XXII of the*
24 *Homeland Security Act of 2002 (6 U.S.C. 651 et seq.) is*
25 *amended by adding at the end the following:*

1 **“SEC. 2218. NATIONAL RISK MANAGEMENT CYCLE.**

2 “(a) *NATIONAL CRITICAL FUNCTIONS DEFINED.*—In
3 *this section, the term ‘national critical functions’ means the*
4 *functions of government and the private sector so vital to*
5 *the United States that their disruption, corruption, or dys-*
6 *function would have a debilitating effect on security, na-*
7 *tional economic security, national public health or safety,*
8 *or any combination thereof.*

9 “(b) *NATIONAL RISK MANAGEMENT CYCLE.*—

10 “(1) *RISK IDENTIFICATION AND ASSESSMENT.*—

11 “(A) *IN GENERAL.*—The Secretary, acting
12 *through the Director, shall establish a recurring*
13 *process by which to identify, assess, and*
14 *prioritize risks to critical infrastructure, consid-*
15 *ering both cyber and physical threats, the associ-*
16 *ated likelihoods, vulnerabilities, and con-*
17 *sequences, and the resources necessary to address*
18 *them.*

19 “(B) *CONSULTATION.*—In establishing the
20 *process required under subparagraph (A), the*
21 *Secretary shall consult with, and request and*
22 *collect information to support analysis from,*
23 *Sector Risk Management Agencies, critical infra-*
24 *structure owners and operators, the Assistant to*
25 *the President for National Security Affairs, the*

1 *Assistant to the President for Homeland Secu-*
2 *rity, and the National Cyber Director.*

3 “(C) *PUBLICATION.*—*Not later than 180*
4 *days after the date of enactment of this section,*
5 *the Secretary shall publish in the Federal Reg-*
6 *ister procedures for the process established under*
7 *subparagraph (A), subject to any redactions the*
8 *Secretary determines are necessary to protect*
9 *classified or other sensitive information.*

10 “(D) *REPORT.*—*The Secretary shall submit*
11 *to the President, the Committee on Homeland*
12 *Security and Governmental Affairs of the Sen-*
13 *ate, and the Committee on Homeland Security of*
14 *the House of Representatives a report on the*
15 *risks identified by the process established under*
16 *subparagraph (A)—*

17 “(i) *not later than 1 year after the*
18 *date of enactment of this section; and*

19 “(ii) *not later than 1 year after the*
20 *date on which the Secretary submits a peri-*
21 *odic evaluation described in section*
22 *9002(b)(2) of title XC of division H of the*
23 *William M. (Mac) Thornberry National De-*
24 *fense Authorization Act for Fiscal Year*
25 *2021 (Public Law 116–283).*

1 “(2) *NATIONAL CRITICAL INFRASTRUCTURE RE-*
2 *SILIENCE STRATEGY.*—

3 “(A) *IN GENERAL.*—*Not later than 1 year*
4 *after the date on which the Secretary delivers*
5 *each report required under paragraph (1), the*
6 *President shall deliver to majority and minority*
7 *leaders of the Senate, the Speaker and minority*
8 *leader of the House of Representatives, the Com-*
9 *mittee on Homeland Security and Governmental*
10 *Affairs of the Senate, and the Committee on*
11 *Homeland Security of the House of Representa-*
12 *tives a national critical infrastructure resilience*
13 *strategy designed to address the risks identified*
14 *by the Secretary.*

15 “(B) *ELEMENTS.*—*Each strategy delivered*
16 *under subparagraph (A) shall—*

17 “(i) *identify, assess, and prioritize*
18 *areas of risk to critical infrastructure that*
19 *would compromise or disrupt national crit-*
20 *ical functions impacting national security,*
21 *economic security, or public health and*
22 *safety;*

23 “(ii) *assess the implementation of the*
24 *previous national critical infrastructure re-*
25 *silience strategy, as applicable;*

1 “(iii) identify and outline current and
2 proposed national-level actions, programs,
3 and efforts to be taken to address the risks
4 identified;

5 “(iv) identify the Federal departments
6 or agencies responsible for leading each na-
7 tional-level action, program, or effort and
8 the relevant critical infrastructure sectors
9 for each; and

10 “(v) request any additional authorities
11 necessary to successfully execute the strat-
12 egy.

13 “(C) FORM.—Each strategy delivered under
14 subparagraph (A) shall be unclassified, but may
15 contain a classified annex.

16 “(3) CONGRESSIONAL BRIEFING.—Not later than
17 1 year after the date on which the President delivers
18 the first strategy required under paragraph (2)(A),
19 and every year thereafter, the Secretary, in coordina-
20 tion with Sector Risk Management Agencies, shall
21 brief the appropriate congressional committees on—

22 “(A) the national risk management cycle
23 activities undertaken pursuant to the strategy;
24 and

1 “(B) the amounts and timeline for funding
2 that the Secretary has determined would be nec-
3 essary to address risks and successfully execute
4 the full range of activities proposed by the strat-
5 egy.”.

6 (b) *TECHNICAL AND CONFORMING AMENDMENT.*—The
7 table of contents in section 1(b) of the Homeland Security
8 Act of 2002 (Public Law 107–296; 116 Stat. 2135) is
9 amended by inserting after the item relating to section 2217
10 the following:

 “Sec. 2218. National risk management cycle.”.

11 ***Subtitle D—Safeguarding***
12 ***American Innovation***

13 ***SEC. 4491. SHORT TITLE.***

14 This subtitle may be cited as the “Safeguarding Amer-
15 ican Innovation Act”.

16 ***SEC. 4492. DEFINITIONS.***

17 In this subtitle:

18 (1) *FEDERAL SCIENCE AGENCY.*—The term “Fed-
19 eral science agency” means any Federal department
20 or agency to which more than \$100,000,000 in basic
21 and applied research and development funds were ap-
22 propriated for the previous fiscal year.

23 (2) *RESEARCH AND DEVELOPMENT.*—

24 (A) *IN GENERAL.*—The term “research and
25 development” means all research activities, both

1 *basic and applied, and all development activi-*
2 *ties.*

3 (B) *DEVELOPMENT.*—*The term “develop-*
4 *ment” means experimental development.*

5 (C) *EXPERIMENTAL DEVELOPMENT.*—*The*
6 *term “experimental development” means creative*
7 *and systematic work, drawing upon knowledge*
8 *gained from research and practical experience,*
9 *which—*

10 *(i) is directed toward the production of*
11 *new products or processes or improving ex-*
12 *isting products or processes; and*

13 *(ii) like research, will result in gaining*
14 *additional knowledge.*

15 (D) *RESEARCH.*—*The term “research”—*

16 *(i) means a systematic study directed*
17 *toward fuller scientific knowledge or under-*
18 *standing of the subject studied; and*

19 *(ii) includes activities involving the*
20 *training of individuals in research tech-*
21 *niques if such activities—*

22 (I) *utilize the same facilities as*
23 *other research and development activi-*
24 *ties; and*

1 (ii) are not included in the in-
2 struction function.

3 **SEC. 4493. FEDERAL RESEARCH SECURITY COUNCIL.**

4 (a) *IN GENERAL.*—Subtitle V of title 31, United States
5 Code, is amended by adding at the end the following:

6 **“CHAPTER 79—FEDERAL RESEARCH**
7 **SECURITY COUNCIL**

“Sec.

“7901. Definitions.

“7902. Federal Research Security Council establishment and membership.

“7903. Functions and authorities.

“7904. Strategic plan.

“7905. Annual report.

“7906. Requirements for Executive agencies.

8 **“§ 7901. Definitions**

9 *“In this chapter:*

10 “(1) *APPROPRIATE CONGRESSIONAL COMMIT-*
11 *TEES.*—The term ‘appropriate congressional commit-
12 *tees’ means—*

13 “(A) *the Committee on Homeland Security*
14 *and Governmental Affairs of the Senate;*

15 “(B) *the Committee on Commerce, Science,*
16 *and Transportation of the Senate;*

17 “(C) *the Select Committee on Intelligence of*
18 *the Senate;*

19 “(D) *the Committee on Foreign Relations of*
20 *the Senate;*

21 “(E) *the Committee on Armed Services of*
22 *the Senate;*

1 “(F) *the Committee on Health, Education,*
2 *Labor, and Pensions of the Senate;*

3 “(G) *the Committee on Oversight and Re-*
4 *form of the House of Representatives;*

5 “(H) *the Committee on Homeland Security*
6 *of the House of Representatives;*

7 “(I) *the Committee on Energy and Com-*
8 *merce of the House of Representatives;*

9 “(J) *the Permanent Select Committee on*
10 *Intelligence of the House of Representatives;*

11 “(K) *the Committee on Foreign Affairs of*
12 *the House of Representatives;*

13 “(L) *the Committee on Armed Services of*
14 *the House of Representatives; and*

15 “(M) *the Committee on Education and*
16 *Labor of the House of Representatives.*

17 “(2) *COUNCIL.—The term ‘Council’ means the*
18 *Federal Research Security Council established under*
19 *section 7902(a).*

20 “(3) *EXECUTIVE AGENCY.—The term ‘Executive*
21 *agency’ has the meaning given that term in section*
22 *105 of title 5.*

23 “(4) *FEDERAL RESEARCH SECURITY RISK.—The*
24 *term ‘Federal research security risk’ means the risk*
25 *posed by malign state actors and other persons to the*

1 *security and integrity of research and development*
2 *conducted using research and development funds*
3 *awarded by Executive agencies.*

4 “(5) *INSIDER*.—*The term ‘insider’ means any*
5 *person with authorized access to any United States*
6 *Government resource, including personnel, facilities,*
7 *information, research, equipment, networks, or sys-*
8 *tems.*

9 “(6) *INSIDER THREAT*.—*The term ‘insider*
10 *threat’ means the threat that an insider will use his*
11 *or her authorized access (wittingly or unwittingly) to*
12 *harm the national and economic security of the*
13 *United States or negatively affect the integrity of a*
14 *Federal agency’s normal processes, including dam-*
15 *aging the United States through espionage, sabotage,*
16 *terrorism, unauthorized disclosure of national secu-*
17 *rity information or nonpublic information, a destruc-*
18 *tive act (which may include physical harm to another*
19 *in the workplace), or through the loss or degradation*
20 *of departmental resources, capabilities, and functions.*

21 “(7) *RESEARCH AND DEVELOPMENT*.—

22 “(A) *IN GENERAL*.—*The term ‘research and*
23 *development’ means all research activities, both*
24 *basic and applied, and all development activi-*
25 *ties.*

1 “(B) *DEVELOPMENT.*—The term ‘develop-
2 ment’ means experimental development.

3 “(C) *EXPERIMENTAL DEVELOPMENT.*—The
4 term ‘experimental development’ means creative
5 and systematic work, drawing upon knowledge
6 gained from research and practical experience,
7 which—

8 “(i) is directed toward the production
9 of new products or processes or improving
10 existing products or processes; and

11 “(ii) like research, will result in gain-
12 ing additional knowledge.

13 “(D) *RESEARCH.*—The term ‘research’—

14 “(i) means a systematic study directed
15 toward fuller scientific knowledge or under-
16 standing of the subject studied; and

17 “(ii) includes activities involving the
18 training of individuals in research tech-
19 niques if such activities—

20 “(I) utilize the same facilities as
21 other research and development activi-
22 ties; and

23 “(II) are not included in the in-
24 struction function.

1 “(8) *UNITED STATES RESEARCH COMMUNITY*.—
2 *The term ‘United States research community’*
3 *means—*

4 “(A) *research and development centers of*
5 *Executive agencies;*

6 “(B) *private research and development cen-*
7 *ters in the United States, including for profit*
8 *and nonprofit research institutes;*

9 “(C) *research and development centers at*
10 *institutions of higher education (as defined in*
11 *section 101(a) of the Higher Education Act of*
12 *1965 (20 U.S.C. 1001(a));*

13 “(D) *research and development centers of*
14 *States, United States territories, Indian tribes,*
15 *and municipalities;*

16 “(E) *government-owned, contractor-operated*
17 *United States Government research and develop-*
18 *ment centers; and*

19 “(F) *any person conducting federally fund-*
20 *ed research or receiving Federal research grant*
21 *funding.*

22 **“§ 7902. Federal Research Security Council establish-**
23 **ment and membership**

24 “(a) *ESTABLISHMENT*.—*There is established, in the*
25 *Office of Management and Budget, a Federal Research Se-*

1 *curity Council, which shall develop federally funded re-*
2 *search and development grant making policy and manage-*
3 *ment guidance to protect the national and economic secu-*
4 *rity interests of the United States.*

5 “(b) *MEMBERSHIP.*—

6 “(1) *IN GENERAL.*—*The following agencies shall*
7 *be represented on the Council:*

8 “(A) *The Office of Management and Budget.*

9 “(B) *The Office of Science and Technology*
10 *Policy.*

11 “(C) *The Department of Defense.*

12 “(D) *The Department of Homeland Secu-*
13 *rity.*

14 “(E) *The Office of the Director of National*
15 *Intelligence.*

16 “(F) *The Department of Justice.*

17 “(G) *The Department of Energy.*

18 “(H) *The Department of Commerce.*

19 “(I) *The Department of Health and Human*
20 *Services.*

21 “(J) *The Department of State.*

22 “(K) *The Department of Transportation.*

23 “(L) *The National Aeronautics and Space*
24 *Administration.*

25 “(M) *The National Science Foundation.*

1 “(N) *The Department of Education.*

2 “(O) *The Small Business Administration.*

3 “(P) *The Council of Inspectors General on*
4 *Integrity and Efficiency.*

5 “(Q) *Other Executive agencies, as deter-*
6 *mined by the Chairperson of the Council.*

7 “(2) *LEAD REPRESENTATIVES.—*

8 “(A) *DESIGNATION.—Not later than 45*
9 *days after the date of the enactment of the Safe-*
10 *guarding American Innovation Act, the head of*
11 *each agency represented on the Council shall des-*
12 *ignate a representative of that agency as the lead*
13 *representative of the agency on the Council.*

14 “(B) *FUNCTIONS.—The lead representative*
15 *of an agency designated under subparagraph (A)*
16 *shall ensure that appropriate personnel, includ-*
17 *ing leadership and subject matter experts of the*
18 *agency, are aware of the business of the Council.*

19 “(c) *CHAIRPERSON.—*

20 “(1) *DESIGNATION.—Not later than 45 days*
21 *after the date of the enactment of the Safeguarding*
22 *American Innovation Act, the Director of the Office*
23 *of Management and Budget shall designate a senior*
24 *level official from the Office of Management and*
25 *Budget to serve as the Chairperson of the Council.*

1 “(2) *FUNCTIONS.*—*The Chairperson shall per-*
2 *form functions that include—*

3 “(A) *subject to subsection (d), developing a*
4 *schedule for meetings of the Council;*

5 “(B) *designating Executive agencies to be*
6 *represented on the Council under subsection*
7 *(b)(1)(Q);*

8 “(C) *in consultation with the lead rep-*
9 *resentative of each agency represented on the*
10 *Council, developing a charter for the Council;*
11 *and*

12 “(D) *not later than 7 days after completion*
13 *of the charter, submitting the charter to the ap-*
14 *propriate congressional committees.*

15 “(3) *LEAD SCIENCE ADVISOR.*—*The Director of*
16 *the Office of Science and Technology Policy shall des-*
17 *ignate a senior level official to be the lead science ad-*
18 *visor to the Council for purposes of this chapter.*

19 “(4) *LEAD SECURITY ADVISOR.*—*The Director of*
20 *the National Counterintelligence and Security Center*
21 *shall designate a senior level official from the Na-*
22 *tional Counterintelligence and Security Center to be*
23 *the lead security advisor to the Council for purposes*
24 *of this chapter.*

1 “(d) *MEETINGS.*—*The Council shall meet not later*
2 *than 60 days after the date of the enactment of the Safe-*
3 *guarding American Innovation Act and not less frequently*
4 *than quarterly thereafter.*

5 “**§ 7903. Functions and authorities**

6 “(a) *DEFINITIONS.*—*In this section:*

7 “(1) *IMPLEMENTING.*—*The term ‘implementing’*
8 *means working with the relevant Federal agencies,*
9 *through existing processes and procedures, to enable*
10 *those agencies to put in place and enforce the meas-*
11 *ures described in this section.*

12 “(2) *UNIFORM APPLICATION PROCESS.*—*The*
13 *term ‘uniform application process’ means a process*
14 *employed by Federal science agencies to maximize the*
15 *collection of information regarding applicants and*
16 *applications, as determined by the Council.*

17 “(b) *IN GENERAL.*—*The Chairperson of the Council*
18 *shall consider the missions and responsibilities of Council*
19 *members in determining the lead agencies for Council func-*
20 *tions. The Council shall perform the following functions:*

21 “(1) *Developing and implementing, across all*
22 *Executive agencies that award research and develop-*
23 *ment grants, awards, and contracts, a uniform appli-*
24 *cation process for grants in accordance with sub-*
25 *section (c).*

1 “(2) *Developing and implementing policies and*
2 *providing guidance to prevent malign foreign inter-*
3 *ference from unduly influencing the peer review proc-*
4 *ess for federally funded research and development.*

5 “(3) *Identifying or developing criteria for shar-*
6 *ing among Executive agencies and with law enforce-*
7 *ment and other agencies, as appropriate, information*
8 *regarding individuals who violate disclosure policies*
9 *and other policies related to research security.*

10 “(4) *Identifying an appropriate Executive agen-*
11 *cy—*

12 “(A) *to accept and protect information sub-*
13 *mitted by Executive agencies and non-Federal*
14 *entities based on the process established pursuant*
15 *to paragraph (1); and*

16 “(B) *to facilitate the sharing of information*
17 *received under subparagraph (A) to support,*
18 *consistent with Federal law—*

19 “(i) *the oversight of federally funded*
20 *research and development;*

21 “(ii) *criminal and civil investigations*
22 *of misappropriated Federal funds, resources,*
23 *and information; and*

24 “(iii) *counterintelligence investiga-*
25 *tions.*

1 “(5) Identifying, as appropriate, Executive agen-
2 cies to provide—

3 “(A) shared services, such as support for
4 conducting Federal research security risk assess-
5 ments, activities to mitigate such risks, and over-
6 sight and investigations with respect to grants
7 awarded by Executive agencies; and

8 “(B) common contract solutions to support
9 the verification of the identities of persons par-
10 ticipating in federally funded research and devel-
11 opment.

12 “(6) Identifying and issuing guidance, in ac-
13 cordance with subsection (e) and in coordination with
14 the National Insider Threat Task Force established by
15 Executive Order 13587 (50 U.S.C. 3161 note) for ex-
16 panding the scope of Executive agency insider threat
17 programs, including the safeguarding of research and
18 development from exploitation, compromise, or other
19 unauthorized disclosure, taking into account risk lev-
20 els and the distinct needs, missions, and systems of
21 each such agency.

22 “(7) Identifying and issuing guidance for devel-
23 oping compliance and oversight programs for Execu-
24 tive agencies to ensure that research and development
25 grant recipients accurately report conflicts of interest

1 *and conflicts of commitment in accordance with sub-*
2 *section (c)(1). Such programs shall include an assess-*
3 *ment of—*

4 *“(A) a grantee’s support from foreign*
5 *sources and affiliations, appointments, or par-*
6 *ticipation in talent programs with foreign fund-*
7 *ing institutions or laboratories; and*

8 *“(B) the impact of such support and affili-*
9 *ations, appointments, or participation in talent*
10 *programs on United States national security*
11 *and economic interests.*

12 *“(8) Providing guidance to Executive agencies*
13 *regarding appropriate application of consequences for*
14 *violations of disclosure requirements.*

15 *“(9) Developing and implementing a cross-agen-*
16 *cy policy and providing guidance related to the use*
17 *of digital persistent identifiers for individual re-*
18 *searchers supported by, or working on, any Federal*
19 *research grant with the goal to enhance transparency*
20 *and security, while reducing administrative burden*
21 *for researchers and research institutions.*

22 *“(10) Engaging with the United States research*
23 *community in conjunction with the National Science*
24 *and Technology Council and the National Academies*
25 *Science, Technology and Security Roundtable created*

1 *under section 1746 of the National Defense Authoriza-*
2 *tion Act for Fiscal Year 2020 (Public Law 116–92;*
3 *42 U.S.C. 6601 note) in performing the functions de-*
4 *scribed in paragraphs (1), (2), and (3) and with re-*
5 *spect to issues relating to Federal research security*
6 *risks.*

7 *“(11) Carrying out such other functions, con-*
8 *sistent with Federal law, that are necessary to reduce*
9 *Federal research security risks.*

10 *“(c) REQUIREMENTS FOR UNIFORM GRANT APPLICA-*
11 *TION PROCESS.—In developing the uniform application*
12 *process for Federal research and development grants re-*
13 *quired under subsection (b)(1), the Council shall—*

14 *“(1) ensure that the process—*

15 *“(A) requires principal investigators, co-*
16 *principal investigators, and key personnel asso-*
17 *ciated with the proposed Federal research or de-*
18 *velopment grant project—*

19 *“(i) to disclose biographical informa-*
20 *tion, all affiliations, including any foreign*
21 *military, foreign government-related organi-*
22 *zations, and foreign-funded institutions,*
23 *and all current and pending support, in-*
24 *cluding from foreign institutions, foreign*

1 *governments, or foreign laboratories, and all*
2 *support received from foreign sources; and*

3 *“(ii) to certify the accuracy of the re-*
4 *quired disclosures under penalty of perjury;*
5 *and*

6 *“(B) uses a machine-readable application*
7 *form to assist in identifying fraud and ensuring*
8 *the eligibility of applicants;*

9 *“(2) design the process—*

10 *“(A) to reduce the administrative burden on*
11 *persons applying for Federal research and devel-*
12 *opment funding; and*

13 *“(B) to promote information sharing across*
14 *the United States research community, while*
15 *safeguarding sensitive information; and*

16 *“(3) complete the process not later than 1 year*
17 *after the date of the enactment of the Safeguarding*
18 *American Innovation Act.*

19 *“(d) REQUIREMENTS FOR INFORMATION SHARING*
20 *CRITERIA.—In identifying or developing criteria and pro-*
21 *cedures for sharing information with respect to Federal re-*
22 *search security risks under subsection (b)(3), the Council*
23 *shall ensure that such criteria address, at a minimum—*

24 *“(1) the information to be shared;*

1 “(2) *the circumstances under which sharing is*
2 *mandated or voluntary;*

3 “(3) *the circumstances under which it is appro-*
4 *prate for an Executive agency to rely on information*
5 *made available through such sharing in exercising the*
6 *responsibilities and authorities of the agency under*
7 *applicable laws relating to the award of grants;*

8 “(4) *the procedures for protecting intellectual*
9 *capital that may be present in such information; and*

10 “(5) *appropriate privacy protections for persons*
11 *involved in Federal research and development.*

12 “(e) *REQUIREMENTS FOR INSIDER THREAT PROGRAM*

13 *GUIDANCE.—In identifying or developing guidance with re-*
14 *spect to insider threat programs under subsection (b)(6),*
15 *the Council shall ensure that such guidance provides for,*
16 *at a minimum—*

17 “(1) *such programs—*

18 “(A) *to deter, detect, and mitigate insider*
19 *threats; and*

20 “(B) *to leverage counterintelligence, secu-*
21 *rity, information assurance, and other relevant*
22 *functions and resources to identify and counter*
23 *insider threats; and*

24 “(2) *the development of an integrated capability*
25 *to monitor and audit information for the detection*

1 *and mitigation of insider threats, including*
2 *through—*

3 *“(A) monitoring user activity on computer*
4 *networks controlled by Executive agencies;*

5 *“(B) providing employees of Executive*
6 *agencies with awareness training with respect to*
7 *insider threats and the responsibilities of em-*
8 *ployees to report such threats;*

9 *“(C) gathering information for a centralized*
10 *analysis, reporting, and response capability; and*

11 *“(D) information sharing to aid in tracking*
12 *the risk individuals may pose while moving*
13 *across programs and affiliations;*

14 *“(3) the development and implementation of*
15 *policies and procedures under which the insider*
16 *threat program of an Executive agency accesses,*
17 *shares, and integrates information and data derived*
18 *from offices within the agency and shares insider*
19 *threat information with the executive agency research*
20 *sponsors;*

21 *“(4) the designation of senior officials with au-*
22 *thority to provide management, accountability, and*
23 *oversight of the insider threat program of an Execu-*
24 *tive agency and to make resource recommendations to*
25 *the appropriate officials; and*

1 “(5) *such additional guidance as is necessary to*
2 *reflect the distinct needs, missions, and systems of*
3 *each Executive agency.*

4 “(f) *ISSUANCE OF WARNINGS RELATING TO RISKS AND*
5 *VULNERABILITIES IN INTERNATIONAL SCIENTIFIC CO-*
6 *OPERATION.—*

7 “(1) *IN GENERAL.—The Council, in conjunction*
8 *with the lead security advisor designated under sec-*
9 *tion 7902(c)(4), shall establish a process for inform-*
10 *ing members of the United States research community*
11 *and the public, through the issuance of warnings de-*
12 *scribed in paragraph (2), of potential risks and*
13 *vulnerabilities in international scientific cooperation*
14 *that may undermine the integrity and security of the*
15 *United States research community or place at risk*
16 *any federally funded research and development.*

17 “(2) *CONTENT.—A warning described in this*
18 *paragraph shall include, to the extent the Council*
19 *considers appropriate, a description of—*

20 “(A) *activities by the national government,*
21 *local governments, research institutions, or uni-*
22 *versities of a foreign country—*

23 “(i) *to exploit, interfere, or undermine*
24 *research and development by the United*
25 *States research community; or*

1 “(ii) to misappropriate scientific
2 knowledge resulting from federally funded
3 research and development;

4 “(B) efforts by strategic competitors to ex-
5 ploit the research enterprise of a foreign country
6 that may place at risk—

7 “(i) the science and technology of that
8 foreign country; or

9 “(ii) federally funded research and de-
10 velopment; and

11 “(C) practices within the research enterprise
12 of a foreign country that do not adhere to the
13 United States scientific values of openness,
14 transparency, reciprocity, integrity, and merit-
15 based competition.

16 “(g) *EXCLUSION ORDERS.*—To reduce Federal re-
17 search security risk, the Interagency Suspension and Debar-
18 ment Committee shall provide quarterly reports to the Di-
19 rector of the Office of Management and Budget and the Di-
20 rector of the Office of Science and Technology Policy that
21 detail—

22 “(1) the number of ongoing investigations by
23 Council Members related to Federal research security
24 that may result, or have resulted, in agency pre-notice

1 *letters, suspensions, proposed debarments, and*
2 *debarments;*

3 “(2) *Federal agencies’ performance and compli-*
4 *ance with interagency suspensions and debarments;*

5 “(3) *efforts by the Interagency Suspension and*
6 *Debarment Committee to mitigate Federal research*
7 *security risk;*

8 “(4) *proposals for developing a unified Federal*
9 *policy on suspensions and debarments; and*

10 “(5) *other current suspension and debarment re-*
11 *lated issues.*

12 “(h) *SAVINGS PROVISION.—Nothing in this section*
13 *may be construed—*

14 “(1) *to alter or diminish the authority of any*
15 *Federal agency; or*

16 “(2) *to alter any procedural requirements or*
17 *remedies that were in place before the date of the en-*
18 *actment of the Safeguarding American Innovation*
19 *Act.*

20 **“§ 7904. Annual report**

21 “*Not later than November 15 of each year, the Chair-*
22 *person of the Council shall submit a report to the appro-*
23 *priate congressional committees that describes the activities*
24 *of the Council during the preceding fiscal year.*

1 **“§ 7905. Requirements for Executive agencies**

2 “(a) *IN GENERAL.*—*The head of each Executive agency*
3 *on the Council shall be responsible for—*

4 “(1) *assessing Federal research security risks*
5 *posed by persons participating in federally funded re-*
6 *search and development;*

7 “(2) *avoiding or mitigating such risks, as appro-*
8 *priate and consistent with the standards, guidelines,*
9 *requirements, and practices identified by the Council*
10 *under section 7903(b);*

11 “(3) *prioritizing Federal research security risk*
12 *assessments conducted under paragraph (1) based on*
13 *the applicability and relevance of the research and de-*
14 *velopment to the national security and economic com-*
15 *petitiveness of the United States; and*

16 “(4) *ensuring that initiatives impacting Feder-*
17 *ally funded research grant making policy and man-*
18 *agement to protect the national and economic security*
19 *interests of the United States are integrated with the*
20 *activities of the Council.*

21 “(b) *INCLUSIONS.*—*The responsibility of the head of an*
22 *Executive agency for assessing Federal research security*
23 *risk described in subsection (a) includes—*

24 “(1) *developing an overall Federal research secu-*
25 *rity risk management strategy and implementation*
26 *plan and policies and processes to guide and govern*

1 *Federal research security risk management activities*
 2 *by the Executive agency;*

3 “(2) *integrating Federal research security risk*
 4 *management practices throughout the lifecycle of the*
 5 *grant programs of the Executive agency;*

6 “(3) *sharing relevant information with other Ex-*
 7 *ecutive agencies, as determined appropriate by the*
 8 *Council in a manner consistent with section 7903;*
 9 *and*

10 “(4) *reporting on the effectiveness of the Federal*
 11 *research security risk management strategy of the Ex-*
 12 *ecutive agency consistent with guidance issued by the*
 13 *Office of Management and Budget and the Council.”.*

14 (b) *CLERICAL AMENDMENT.—The table of chapters at*
 15 *the beginning of title 31, United States Code, is amended*
 16 *by inserting after the item relating to chapter 77 the fol-*
 17 *lowing:*

“**79. Federal Research Security Council** **7901.**”.

18 **SEC. 4494. FEDERAL GRANT APPLICATION FRAUD.**

19 (a) *IN GENERAL.—Chapter 47 of title 18, United*
 20 *States Code, is amended by adding at the end the following:*

21 “**§ 1041. Federal grant application fraud**

22 “(a) *DEFINITIONS.—In this section:*

23 “(1) *FEDERAL AGENCY.—The term ‘Federal*
 24 *agency’ has the meaning given the term ‘agency’ in*
 25 *section 551 of title 5, United States Code.*

1 “(2) *FEDERAL GRANT.*—*The term ‘Federal*
2 *grant’—*

3 “(A) *means a grant awarded by a Federal*
4 *agency;*

5 “(B) *includes a subgrant awarded by a*
6 *non-Federal entity to carry out a Federal grant*
7 *program; and*

8 “(C) *does not include—*

9 “(i) *direct United States Government*
10 *cash assistance to an individual;*

11 “(ii) *a subsidy;*

12 “(iii) *a loan;*

13 “(iv) *a loan guarantee; or*

14 “(v) *insurance.*

15 “(3) *FEDERAL GRANT APPLICATION.*—*The term*
16 *‘Federal grant application’ means an application for*
17 *a Federal grant.*

18 “(4) *FOREIGN COMPENSATION.*—*The term ‘for-*
19 *foreign compensation’ means a title, monetary com-*
20 *penetration, access to a laboratory or other resource, or*
21 *other benefit received from—*

22 “(A) *a foreign government;*

23 “(B) *a foreign government institution; or*

24 “(C) *a foreign public enterprise.*

1 “(5) *FOREIGN GOVERNMENT*.—The term ‘foreign
2 government’ includes a person acting or purporting to
3 act on behalf of—

4 “(A) a faction, party, department, agency,
5 bureau, subnational administrative entity, or
6 military of a foreign country; or

7 “(B) a foreign government or a person pur-
8 porting to act as a foreign government, regard-
9 less of whether the United States recognizes the
10 government.

11 “(6) *FOREIGN GOVERNMENT INSTITUTION*.—The
12 term ‘foreign government institution’ means a foreign
13 entity owned by, subject to the control of, or subject
14 to regulation by a foreign government.

15 “(7) *FOREIGN PUBLIC ENTERPRISE*.—The term
16 ‘foreign public enterprise’ means an enterprise over
17 which a foreign government directly or indirectly ex-
18 ercises a dominant influence.

19 “(8) *LAW ENFORCEMENT AGENCY*.—The term
20 ‘law enforcement agency’—

21 “(A) means a Federal, State, local, or Trib-
22 al law enforcement agency; and

23 “(B) includes—

24 “(i) the Office of Inspector General of
25 an establishment (as defined in section 12

1 *of the Inspector General Act of 1978 (5*
2 *U.S.C. App.)) or a designated Federal enti-*
3 *ty (as defined in section 8G(a) of the In-*
4 *pector General Act of 1978 (5 U.S.C.*
5 *App.)); and*

6 *“(ii) the Office of Inspector General, or*
7 *similar office, of a State or unit of local*
8 *government.*

9 *“(9) OUTSIDE COMPENSATION.—The term ‘out-*
10 *side compensation’ means any compensation, re-*
11 *source, or support (regardless of monetary value)*
12 *made available to the applicant in support of, or re-*
13 *lated to, any research endeavor, including a title, re-*
14 *search grant, cooperative agreement, contract, institu-*
15 *tional award, access to a laboratory, or other re-*
16 *source, including materials, travel compensation, or*
17 *work incentives.*

18 *“(b) PROHIBITION.—It shall be unlawful for any indi-*
19 *vidual to knowingly—*

20 *“(1) prepare or submit a Federal grant applica-*
21 *tion that fails to disclose the receipt of any outside*
22 *compensation, including foreign compensation, by the*
23 *individual;*

1 “(2) *forge, counterfeit, or otherwise falsify a doc-*
2 *ument for the purpose of obtaining a Federal grant;*
3 *or*

4 “(3) *prepare, submit, or assist in the prepara-*
5 *tion or submission of a Federal grant application or*
6 *document in connection with a Federal grant appli-*
7 *cation that—*

8 “(A) *contains a false statement;*

9 “(B) *contains a material misrepresentation;*

10 “(C) *has no basis in law or fact; or*

11 “(D) *fails to disclose a material fact.*

12 “(c) *EXCEPTION.—Subsection (b) does not apply to an*
13 *activity—*

14 “(1) *carried out in connection with a lawfully*
15 *authorized investigative, protective, or intelligence ac-*
16 *tivity of—*

17 “(A) *a law enforcement agency; or*

18 “(B) *a Federal intelligence agency; or*

19 “(2) *authorized under chapter 224.*

20 “(d) *PENALTY.—Any individual who violates sub-*
21 *section (b)—*

22 “(1) *shall be fined in accordance with this title,*
23 *imprisoned for not more than 5 years, or both; and*

24 “(2) *shall be prohibited from receiving a Federal*
25 *grant during the 5-year period beginning on the date*

1 (2) *take account of the continual expert assess-*
2 *ments of evolving sensitive or emerging technologies*
3 *that foreign adversaries are targeting;*

4 (3) *take account of relevant information con-*
5 *cerning the foreign person's employment or collabora-*
6 *tion, to the extent known, with—*

7 (A) *foreign military and security related or-*
8 *ganizations that are adversarial to the United*
9 *States;*

10 (B) *foreign institutions involved in the theft*
11 *of United States research;*

12 (C) *entities involved in export control viola-*
13 *tions or the theft of intellectual property;*

14 (D) *a government that seeks to undermine*
15 *the integrity and security of the United States*
16 *research community; or*

17 (E) *other associations or collaborations that*
18 *pose a national security threat based on intel-*
19 *ligence assessments; and*

20 (4) *weigh the proportionality of risks and the*
21 *factors listed in paragraphs (1) through (3).*

22 (c) *REPORTING REQUIREMENT.—Not later than 180*
23 *days after the date of the enactment of this Act, and semi-*
24 *annually thereafter until the sunset date set forth in sub-*
25 *section (e), the Secretary of State, in coordination with the*

1 *Director of National Intelligence, the Director of the Office*
2 *of Science and Technology Policy, the Secretary of Home-*
3 *land Security, the Secretary of Defense, the Secretary of*
4 *Energy, the Secretary of Commerce, and the heads of other*
5 *appropriate Federal agencies, shall submit a report to the*
6 *Committee on the Judiciary of the Senate, the Committee*
7 *on Foreign Relations of the Senate, the Committee on*
8 *Homeland Security and Governmental Affairs of the Sen-*
9 *ate, the Committee on the Judiciary of the House of Rep-*
10 *resentatives, the Committee on Foreign Affairs of the House*
11 *of Representatives, and the Committee on Oversight and Re-*
12 *form of the House of Representatives that identifies—*

13 (1) *any criteria, if relevant used to describe the*
14 *aliens to which the grounds of inadmissibility de-*
15 *scribed in subsection (a) may apply;*

16 (2) *the number of individuals determined to be*
17 *inadmissible under subsection (a), including the na-*
18 *tionality of each such individual and the reasons for*
19 *each determination of inadmissibility; and*

20 (3) *the number of days from the date of the con-*
21 *sular interview until a final decision is issued for*
22 *each application for a visa considered under this sec-*
23 *tion, listed by applicants' country of citizenship and*
24 *relevant consulate.*

1 (d) *CLASSIFICATION OF REPORT.*—Each report re-
2 quired under subsection (c) shall be submitted, to the extent
3 practicable, in an unclassified form, but may be accom-
4 panied by a classified annex.

5 (e) *SUNSET.*—This section shall cease to be effective on
6 the date that is 2 years after the date of the enactment of
7 this Act.

8 **SEC. 4496. MACHINE READABLE VISA DOCUMENTS.**

9 (a) *MACHINE-READABLE DOCUMENTS.*—Not later than
10 1 year after the date of the enactment of this Act, the Sec-
11 retary of State shall—

12 (1) use a machine-readable visa application
13 form; and

14 (2) make available documents submitted in sup-
15 port of a visa application in a machine readable for-
16 mat to assist in—

17 (A) identifying fraud;

18 (B) conducting lawful law enforcement ac-
19 tivities; and

20 (C) determining the eligibility of applicants
21 for a visa under the Immigration and Nation-
22 ality Act (8 U.S.C. 1101 et seq.).

23 (b) *WAIVER.*—The Secretary of State may waive the
24 requirement under subsection (a) by providing to Congress,
25 not later than 30 days before such waiver takes effect—

1 (1) *a detailed explanation for why the waiver is*
2 *being issued; and*

3 (2) *a timeframe for the implementation of the re-*
4 *quirement under subsection (a).*

5 (c) *REPORT.*—*Not later than 45 days after date of the*
6 *enactment of this Act, the Secretary of State shall submit*
7 *a report to the Committee on Homeland Security and Gov-*
8 *ernmental Affairs of the Senate, the Committee on Com-*
9 *merce, Science, and Transportation of the Senate, the Select*
10 *Committee on Intelligence of the Senate, the Committee on*
11 *Foreign Relations of the Senate; the Committee on Over-*
12 *sight and Reform of the House of Representatives, the Com-*
13 *mittee on Homeland Security of the House of Representa-*
14 *tives, the Committee on Energy and Commerce of the House*
15 *of Representatives, the Permanent Select Committee on In-*
16 *telligence of the House of Representatives, and the Com-*
17 *mittee on Foreign Affairs of the House of Representatives*
18 *that—*

19 (1) *describes how supplementary documents pro-*
20 *vided by a visa applicant in support of a visa appli-*
21 *cation are stored and shared by the Department of*
22 *State with authorized Federal agencies;*

23 (2) *identifies the sections of a visa application*
24 *that are machine-readable and the sections that are*
25 *not machine-readable;*

1 (3) provides cost estimates, including personnel
 2 costs and a cost-benefit analysis for adopting different
 3 technologies, including optical character recognition,
 4 for—

5 (A) making every element of a visa applica-
 6 tion, and documents submitted in support of a
 7 visa application, machine-readable; and

8 (B) ensuring that such system—

9 (i) protects personally-identifiable in-
 10 formation; and

11 (ii) permits the sharing of visa infor-
 12 mation with Federal agencies in accordance
 13 with existing law; and

14 (4) includes an estimated timeline for completing
 15 the implementation of subsection (a).

16 **SEC. 4497. CERTIFICATIONS REGARDING ACCESS TO EX-**
 17 **PORT CONTROLLED TECHNOLOGY IN EDU-**
 18 **CATIONAL AND CULTURAL EXCHANGE PRO-**
 19 **GRAMS.**

20 Section 102(b)(5) of the Mutual Educational and Cul-
 21 tural Exchange Act of 1961 (22 U.S.C. 2452(b)(5)) is
 22 amended to read as follows:

23 “(5) promoting and supporting medical, sci-
 24 entific, cultural, and educational research and devel-
 25 opment by developing exchange programs for foreign

1 *researchers and scientists, while protecting tech-*
2 *nologies regulated by export control laws important to*
3 *the national security and economic interests of the*
4 *United States, by requiring—*

5 *“(A) the sponsor to certify to the Depart-*
6 *ment of State that the sponsor, after reviewing*
7 *all regulations related to the Export Controls Act*
8 *of 2018 (50 U.S.C. 4811 et seq.) and the Arms*
9 *Export Control Act (22 U.S.C. 2751 et seq.), has*
10 *determined that—*

11 *“(i) a license is not required from the*
12 *Department of Commerce or the Depart-*
13 *ment of State to release such technology or*
14 *technical data to the exchange visitor; or*

15 *“(ii)(I) a license is required from the*
16 *Department of Commerce or the Depart-*
17 *ment of State to release such technology or*
18 *technical data to the exchange visitor; and*

19 *“(II) the sponsor will prevent access to*
20 *the controlled technology or technical data*
21 *by the exchange visitor until the sponsor—*

22 *“(aa) has received the required li-*
23 *cence or other authorization to release*
24 *it to the visitor; and*

1 “(bb) has provided a copy of such
2 license or authorization to the Depart-
3 ment of State; and

4 “(B) if the sponsor maintains export con-
5 trolled technology or technical data, the sponsor
6 to submit to the Department of State the spon-
7 sor’s plan to prevent unauthorized export or
8 transfer of any controlled items, materials, infor-
9 mation, or technology at the sponsor organiza-
10 tion or entities associated with a sponsor’s ad-
11 ministration of the exchange visitor program.”.

12 **SEC. 4498. PRIVACY AND CONFIDENTIALITY.**

13 *Nothing in this subtitle may be construed as affecting*
14 *the rights and requirements provided in section 552a of title*
15 *5, United States Code (commonly known as the “Privacy*
16 *Act of 1974”) or subchapter III of chapter 35 of title 44,*
17 *United States Code (commonly known as the “Confidential*
18 *Information Protection and Statistical Efficiency Act of*
19 *2018”).*

20 ***DIVISION E—MEETING THE***
21 ***CHINA CHALLENGE ACT OF 2021***

22 **SEC. 5001. SHORT TITLE; TABLE OF CONTENTS.**

23 (a) *SHORT TITLE.*—*This division may be cited as the*
24 *“Meeting the China Challenge Act of 2021”.*

- 1 *(b) TABLE OF CONTENTS.—The table of contents for*
 2 *this division is as follows:*

Sec. 5001. Short title; table of contents.

TITLE I—FINANCIAL SERVICES

Sec. 5101. Findings on transparency and disclosure; sense of Congress.

Sec. 5102. Establishment of interagency task force to address Chinese market manipulation in the United States.

Sec. 5103. Expansion of study and strategy on money laundering by the People’s Republic of China to include risks of contributing to corruption.

Sec. 5104. Statement of policy to encourage the development of a corporate code of conduct for countering malign influence in the private sector.

TITLE II—PROTECTING UNITED STATES NATIONAL SECURITY

Subtitle A—Sanctions With Respect to People’s Republic of China

Sec. 5201. Definitions.

Sec. 5202. Use of sanctions authorities with respect to the People’s Republic of China.

Sec. 5203. Imposition of sanctions with respect to activities of the People’s Republic of China undermining cybersecurity, including cyber attacks on United States Government or private sector networks.

Sec. 5204. Imposition of sanctions with respect to theft of trade secrets of United States persons.

Sec. 5205. Implementation; penalties.

Sec. 5206. Exceptions.

Subtitle B—Export Control Review And Other Matters

Sec. 5211. Review and controls on export of items with critical capabilities to enable human rights abuses.

Sec. 5212. Prohibition on reviews by Committee on Foreign Investment in the United States of certain foreign gifts to and contracts with institutions of higher education.

Sec. 5213. Conforming amendments to Treasury positions established by Foreign Investment Risk Review Modernization Act of 2018.

TITLE III—REPORTS

Sec. 5301. Review of the presence of Chinese entities in United States capital markets.

Sec. 5302. Report on malign activity involving Chinese state-owned enterprises.

Sec. 5303. Report on use and applicability of sanctions to Chinese officials complicit in human rights violations and violations of United States sanctions with respect to Hong Kong.

Sec. 5304. Report on domestic shortfalls of industrial resources, materials, and critical technology items essential to the national defense.

Sec. 5305. Report on implementation of process for exchange of information between Committee on Foreign Investment in the United States and allies and partners.

Sec. 5306. Report on economic and national security implications of changes to cross-border payment and financial messaging systems.

Sec. 5307. Report on development and utilization of dual-use technologies by the Government of the People's Republic of China.

Sec. 5308. Report on currency issues with respect to the People's Republic of China.

Sec. 5309. Report on exposure of the United States to the financial system of the People's Republic of China.

Sec. 5310. Report on investment reciprocity between the United States and the People's Republic of China.

1 **TITLE I—FINANCIAL SERVICES**

2 **SEC. 5101. FINDINGS ON TRANSPARENCY AND DISCLOSURE;**

3 **SENSE OF CONGRESS.**

4 (a) *FINDINGS.*—Congress finds the following:

5 (1) *More than 2,000,000 corporations, limited li-*
 6 *ability companies, and other similar entities are*
 7 *formed under the laws of the States each year and*
 8 *some of those 2,000,000 entities are formed by persons*
 9 *outside of the United States, including by persons in*
 10 *the People's Republic of China.*

11 (2) *Most or all States do not require information*
 12 *about the beneficial owners of the corporations, lim-*
 13 *ited liability companies, or other similar entities*
 14 *formed under the laws of the State.*

15 (3) *Malign actors seek to conceal their ownership*
 16 *of corporations, limited liability companies, or other*
 17 *similar entities in the United States to facilitate il-*
 18 *licit activity, including money laundering, the fi-*
 19 *nancing of terrorism, proliferation financing, serious*
 20 *tax fraud, human and drug trafficking, counter-*
 21 *feiting, piracy, securities fraud, financial fraud, eco-*

1 *conomic espionage, theft of intellectual property, and*
2 *acts of foreign corruption, which harm the national*
3 *security interests of the United States and allies of*
4 *the United States.*

5 *(4) National security, intelligence, and law en-*
6 *forcement investigations have consistently been im-*
7 *peded by an inability to reliably and promptly obtain*
8 *information identifying the persons that ultimately*
9 *own corporations, limited liability companies, or*
10 *other similar entities suspected of engaging in illicit*
11 *activity, as documented in reports and testimony by*
12 *officials from the Department of Justice, the Depart-*
13 *ment of Homeland Security, the Department of the*
14 *Treasury, the Government Accountability Office, and*
15 *other agencies.*

16 *(5) In the National Strategy for Combating Ter-*
17 *rorist and Other Illicit Financing, issued in 2020, the*
18 *Department of the Treasury found the following:*
19 *“Misuse of legal entities to hide a criminal beneficial*
20 *owner or illegal source of funds continues to be a com-*
21 *mon, if not the dominant, feature of illicit finance*
22 *schemes, especially those involving money laundering,*
23 *predicate offences, tax evasion, and proliferation fi-*
24 *nancing.”.*

1 (6) *Federal legislation, including the Anti-Money*
2 *Laundering Act of 2020 (division F of Public Law*
3 *116–283) and the Corporate Transparency Act (title*
4 *LXIV of division F of Public Law 116–283), com-*
5 *bating the crime of money laundering and providing*
6 *for the collection of beneficial ownership information*
7 *by the Financial Crimes Enforcement Network of the*
8 *Department of the Treasury (referred to in this sec-*
9 *tion as “FinCEN”) with respect to corporations, lim-*
10 *ited liability companies, or other similar entities*
11 *formed under the laws of the States has recently been*
12 *enacted to—*

13 (A) *set a clear Federal standard for incor-*
14 *poration practices;*

15 (B) *better enable critical national security,*
16 *intelligence, and law enforcement efforts to iden-*
17 *tify and counter money laundering, the financ-*
18 *ing of terrorism, and other illicit activity; and*

19 (C) *bring the United States into compliance*
20 *with international standards with respect to*
21 *anti-money laundering and countering the fi-*
22 *nancing of terrorism.*

23 (7) *Providing beneficial ownership information*
24 *to FinCEN is especially important in cases in which*
25 *foreign firms, including those in the People’s Republic*

1 *mines appropriate shall establish a joint interagency task*
2 *force to investigate allegations of systemic market manipu-*
3 *lation and other potential violations of antitrust and com-*
4 *petition laws in the United States by companies established*
5 *in the People's Republic of China, including allegations of*
6 *efforts to illegally capture market share, fix or manipulate*
7 *prices, and control the supply of goods in critical industries*
8 *of the United States, including—*

9 (1) *the pharmaceutical and medical devices in-*
10 *dustry;*

11 (2) *the renewable energy industry;*

12 (3) *the steel and aluminum industries; and*

13 (4) *such other industries as the task force con-*
14 *siders appropriate.*

15 (b) *REPORT.—Not later than 180 days after the date*
16 *of enactment of this Act, the President shall provide to the*
17 *appropriate congressional committees—*

18 (1) *a briefing on the progress of the interagency*
19 *task force and its findings as described in subsection*
20 *(a); and*

21 (2) *recommendations to the committees on poten-*
22 *tial amendments to antitrust and competition laws in*
23 *the United States that would strengthen the ability of*
24 *United States antitrust enforcement agencies to bring*

1 actions against anticompetitive business practices by
2 Chinese companies.

3 (c) *APPROPRIATE CONGRESSIONAL COMMITTEES DE-*
4 *FINED.*—*In this section, the term “appropriate congress-*
5 *sional committees” means—*

6 (1) *the Committee on Banking, Housing, and*
7 *Urban Affairs, the Committee on Foreign Relations,*
8 *the Committee on Finance, the Committee on the Ju-*
9 *diiciary, and the Committee on Commerce, Science,*
10 *and Transportation of the Senate; and*

11 (2) *the Committee on Financial Services, the*
12 *Committee on Foreign Affairs, the Committee on*
13 *Ways and Means, the Committee on the Judiciary,*
14 *and the Committee on Energy and Commerce of the*
15 *House of Representatives.*

16 **SEC. 5103. EXPANSION OF STUDY AND STRATEGY ON**
17 **MONEY LAUNDERING BY THE PEOPLE’S RE-**
18 **PUBLIC OF CHINA TO INCLUDE RISKS OF**
19 **CONTRIBUTING TO CORRUPTION.**

20 (a) *IN GENERAL.*—*Section 6507 of the Anti-Money*
21 *Laundrying Act of 2020 (division F of Public Law 116-*
22 *283) is amended—*

23 (1) *in subsection (a)—*

24 (A) *in paragraph (3), by striking “; and”*
25 *and inserting a semicolon;*

1 *United States to freely conduct business and pursue*
2 *the American dream;*

3 *(3) to support freedom of expression for all peo-*
4 *ple;*

5 *(4) to promote the security of United States sup-*
6 *ply chains and United States businesses against ma-*
7 *lign foreign influence;*

8 *(5) to welcome and commit to supporting busi-*
9 *ness people from the People's Republic of China who*
10 *are in the United States to pursue the American*
11 *dream, free from restrictions and surveillance, includ-*
12 *ing freedom of inquiry and freedom of expression,*
13 *that may be proscribed or restricted in the People's*
14 *Republic of China;*

15 *(6) to condemn and oppose xenophobia and ra-*
16 *cial discrimination in any form, including against*
17 *Chinese businesspeople, entrepreneurs, and visitors in*
18 *the United States;*

19 *(7) to recognize the threats posed to economic*
20 *freedom and freedom of expression by the Government*
21 *of the People's Republic of China, which are seeking*
22 *to influence and interfere with United States busi-*
23 *nesses and distort United States markets for the gain*
24 *of the People's Republic of China, either directly or*
25 *indirectly;*

1 (8) to condemn the practice by the Government
2 of the People's Republic of China of—

3 (A) direct and indirect surveillance and
4 censorship and acts of retaliation by officials of
5 that Government or their agents against
6 businesspeople, entrepreneurs, and Chinese stu-
7 dents and scholars; or

8 (B) harassment of their family members in
9 the People's Republic of China;

10 (9) to encourage United States businesses that
11 conduct substantial business with or in the People's
12 Republic of China to collectively develop and commit
13 to using best practices to ensure that their business in
14 or with the People's Republic of China is consistent
15 with the policies of the United States; and

16 (10) to specifically encourage United States busi-
17 nesses to develop and agree to a code of conduct for
18 business with or in the People's Republic of China,
19 pursuant to which a United States business would
20 commit—

21 (A) to protect the free speech rights of its
22 employees to, in their personal capacities, ex-
23 press views on global issues without fear that
24 pressure from the Government of the People's Re-

1 *public of China would result in them being re-*
2 *taliated against by the business;*

3 *(B) to ensure that products and services*
4 *made by the business and sold in the People’s*
5 *Republic of China do not enable the Government*
6 *of the People’s Republic of China to undermine*
7 *fundamental rights and freedoms, for example by*
8 *facilitating repression and censorship;*

9 *(C) to maintain robust due diligence pro-*
10 *grams to ensure that the business is not engaging*
11 *in business with—*

12 *(i) the military of the People’s Repub-*
13 *lic of China;*

14 *(ii) any Chinese entity subject to*
15 *United States export controls without a re-*
16 *quired license; or*

17 *(iii) any other Chinese actor that en-*
18 *gages in conduct prohibited by the law of*
19 *the United States;*

20 *(D) to disclose publicly any funding or sup-*
21 *port received from Chinese diplomatic missions*
22 *or other entities linked to the Government of the*
23 *People’s Republic of China;*

24 *(E) to help mentor and support business-*
25 *people and entrepreneurs from the People’s Re-*

1 *public of China to ensure that they can enjoy full*
2 *economic freedom;*

3 *(F) to ensure that employees of the business*
4 *in the People’s Republic of China are not subject*
5 *to undue influence by the Government of the Peo-*
6 *ple’s Republic of China at their workplace; and*

7 *(G) to ensure that agreements and practices*
8 *of the business in the People’s Republic of China*
9 *ensure the protection of intellectual property.*

10 ***TITLE II—PROTECTING UNITED***
11 ***STATES NATIONAL SECURITY***
12 ***Subtitle A—Sanctions With Respect***
13 ***to People’s Republic of China***

14 ***SEC. 5201. DEFINITIONS.***

15 *In this subtitle:*

16 (1) *ADMISSION; ADMITTED; ALIEN; LAWFULLY*
17 *ADMITTED FOR PERMANENT RESIDENCE.—The terms*
18 *“admission”, “admitted”, “alien”, and “lawfully ad-*
19 *mitted for permanent residence” have the meanings*
20 *given those terms in section 101 of the Immigration*
21 *and Nationality Act (8 U.S.C. 1101).*

22 (2) *APPROPRIATE CONGRESSIONAL COMMIT-*
23 *TEES.—The term “appropriate congressional commit-*
24 *tees” means—*

1 (A) *the Committee on Banking, Housing,*
2 *and Urban Affairs and the Committee on For-*
3 *oreign Relations of the Senate; and*

4 (B) *the Committee on Financial Services*
5 *and the Committee on Foreign Affairs of the*
6 *House of Representatives.*

7 (3) *CHINESE ENTITY.—The term “Chinese enti-*
8 *ty” means an entity organized under the laws of or*
9 *otherwise subject to the jurisdiction of the People’s Re-*
10 *public of China.*

11 (4) *ENTITY.—The term “entity” means a part-*
12 *nership, association, trust, joint venture, corporation,*
13 *group, subgroup, or other organization.*

14 (5) *FOREIGN PERSON.—The term “foreign per-*
15 *son” means any person that is not a United States*
16 *person.*

17 (6) *KNOWINGLY.—The term “knowingly”, with*
18 *respect to conduct, a circumstance, or a result, means*
19 *that a person has actual knowledge, or should have*
20 *known, of the conduct, the circumstance, or the result.*

21 (7) *PERSON.—The term “person” means an in-*
22 *dividual or entity.*

23 (8) *UNITED STATES PERSON.—The term “United*
24 *States person” means—*

1 (A) a United States citizen or an alien law-
2 fully admitted for permanent residence to the
3 United States;

4 (B) an entity organized under the laws of
5 the United States or of any jurisdiction within
6 the United States, including a foreign branch of
7 such an entity; or

8 (C) any person in the United States.

9 **SEC. 5202. USE OF SANCTIONS AUTHORITIES WITH RE-**
10 **SPECT TO THE PEOPLE'S REPUBLIC OF**
11 **CHINA.**

12 (a) *FINDINGS.*—Congress makes the following findings:

13 (1) Congress has provided the President with a
14 broad range of tough authorities to impose sanctions
15 to address malign behavior by the Government of the
16 People's Republic of China and individuals and enti-
17 ties in the People's Republic of China, including indi-
18 viduals and entities engaging in—

19 (A) intellectual property theft;

20 (B) cyber-related economic espionage;

21 (C) repression of ethnic minorities;

22 (D) the use of forced labor and other human
23 rights abuses;

24 (E) abuses of the international trading sys-
25 tem;

1 (F) *illicit assistance to and trade with the*
2 *Government of North Korea; and*

3 (G) *drug trafficking, including trafficking*
4 *in fentanyl and other opioids.*

5 (2) *Congress has in many cases mandated the*
6 *imposition of sanctions and other measures with re-*
7 *spect to individuals and entities identified as respon-*
8 *sible for such behavior.*

9 (b) *RECOMMENDATION TO USE AUTHORITIES.—*

10 (1) *IN GENERAL.—The President should use the*
11 *full range of authorities available to the President, in-*
12 *cluding the authorities described in paragraph (2) to*
13 *impose sanctions and other measures to combat ma-*
14 *lign behavior by the Government of the People’s Re-*
15 *public of China, entities owned or controlled by that*
16 *Government, and other Chinese individuals and enti-*
17 *ties responsible for such behavior.*

18 (2) *AUTHORITIES DESCRIBED.—The authorities*
19 *described in this paragraph include the following:*

20 (A) *The Global Magnitsky Human Rights*
21 *Accountability Act (subtitle F of title XII of*
22 *Public Law 114–328; 22 U.S.C. 2656 note).*

23 (B) *Section 1637 of the Carl Levin and*
24 *Howard P. “Buck” McKeon National Defense*
25 *Authorization Act for Fiscal Year 2015 (50*

1 U.S.C. 1708) (relating to addressing economic
2 and industrial espionage in cyberspace).

3 (C) *The Fentanyl Sanctions Act* (21 U.S.C.
4 2301 et seq.).

5 (D) *The Hong Kong Autonomy Act* (Public
6 Law 116–149; 22 U.S.C. 5701 note) (relating to
7 the imposition of sanctions with respect to the
8 erosion of certain obligations of the People’s Re-
9 public of China with respect to Hong Kong).

10 (E) *Section 7 of the Hong Kong Human*
11 *Rights and Democracy Act of 2019* (Public Law
12 116–76; 22 U.S.C. 5701 note) (relating to the
13 imposition of sanctions relating to undermining
14 fundamental freedoms and autonomy in Hong
15 Kong).

16 (F) *Section 6 of the Uyghur Human Rights*
17 *Policy Act of 2020* (Public Law 116–145; 22
18 U.S.C. 6901 note) (relating to the imposition of
19 sanctions with respect to violations of human
20 rights of minority groups in the Xinjiang
21 Uyghur Autonomous Region).

22 (G) *The Export Control Reform Act of 2018*
23 (50 U.S.C. 4801 et seq.) (relating to the imposi-
24 tion of new export controls).

1 (H) *Export control measures required to be*
2 *maintained with respect to entities in the tele-*
3 *communications sector of the People’s Republic*
4 *of China, including under section 1260I of the*
5 *National Defense Authorization Act for Fiscal*
6 *Year 2020 (Public Law 116–92; 133 Stat. 1687)*
7 *(relating to limiting the removal of Huawei*
8 *Technologies Co. Ltd. from the entity list of the*
9 *Bureau of Industry and Security).*

10 (I) *Section 889(a)(1)(B) of the John S.*
11 *McCain National Defense Authorization Act for*
12 *Fiscal Year 2019 (Public Law 115–232; 41*
13 *U.S.C. 3901 note prec.) (relating to a prohibi-*
14 *tion on Federal Government contracts with enti-*
15 *ties that use telecommunications equipment or*
16 *services produced by certain Chinese entities).*

17 (J) *The North Korea Sanctions and Policy*
18 *Enhancement Act of 2016 (22 U.S.C. 9201 et*
19 *seq.), including the amendments made to that*
20 *Act by the Otto Warmbier North Korea Nuclear*
21 *Sanctions and Enforcement Act of 2019 (title*
22 *LXXI of Public Law 116–92; 22 U.S.C. 9201*
23 *note).*

24 (K) *Section 73 of the Bretton Woods Agree-*
25 *ments Act (22 U.S.C. 286yy), as added by sec-*

1 *tion 7124 of the Otto Warmbier North Korea Nu-*
2 *clear Sanctions and Enforcement Act of 2019*
3 *(title LXXI of Public Law 116–92; 22 U.S.C.*
4 *9201 note).*

5 **SEC. 5203. IMPOSITION OF SANCTIONS WITH RESPECT TO**
6 **ACTIVITIES OF THE PEOPLE’S REPUBLIC OF**
7 **CHINA UNDERMINING CYBERSECURITY, IN-**
8 **CLUDING CYBER ATTACKS ON UNITED**
9 **STATES GOVERNMENT OR PRIVATE SECTOR**
10 **NETWORKS.**

11 *(a) IN GENERAL.—On and after the date that is 180*
12 *days after the date of the enactment of this Act, and not*
13 *less frequently than annually thereafter, the President*
14 *shall—*

15 *(1) identify each foreign person that the Presi-*
16 *dent determines—*

17 *(A) knowingly engages in significant activi-*
18 *ties undermining cybersecurity against any per-*
19 *son, including a democratic institution, or gov-*
20 *ernmental entity on behalf of the Government of*
21 *the People’s Republic of China;*

22 *(B) is owned or controlled by, or acts or*
23 *purports to act for or on behalf of, directly or in-*
24 *directly, a person described in subparagraph (A);*
25 *or*

1 (C) knowingly materially assists, sponsors,
2 or provides financial, material, or technological
3 support for, or goods or services in support of—

4 (i) an activity described in subpara-
5 graph (A); or

6 (ii) a person described in subpara-
7 graph (A) or (B) the property and interests
8 in property of which are blocked pursuant
9 to this section;

10 (2) impose the sanctions described in subsection
11 (b) with respect to each individual identified under
12 paragraph (1); and

13 (3) impose 5 or more of the sanctions described
14 in subsection (c) with respect to each entity identified
15 under paragraph (1).

16 (b) *SANCTIONS FOR ENGAGING IN SIGNIFICANT ACTIVI-*
17 *TIES UNDERMINING CYBERSECURITY.*—*The sanctions to be*
18 *imposed under subsection (a)(2) with respect to an indi-*
19 *vidual are the following:*

20 (1) *BLOCKING OF PROPERTY.*—*The exercise of all*
21 *powers granted to the President by the International*
22 *Emergency Economic Powers Act (50 U.S.C. 1701 et*
23 *seq.) to the extent necessary to block and prohibit all*
24 *transactions in all property and interests in property*
25 *of the individual if such property and interests in*

1 *property are in the United States, come within the*
2 *United States, or are or come within the possession*
3 *or control of a United States person.*

4 (2) *INELIGIBILITY FOR VISAS, ADMISSION, OR PA-*
5 *ROLE.—*

6 (A) *VISAS, ADMISSION, OR PAROLE.—An*
7 *alien described in subsection (a)(1) is—*

8 (i) *inadmissible to the United States;*

9 (ii) *ineligible to receive a visa or other*
10 *documentation to enter the United States;*
11 *and*

12 (iii) *otherwise ineligible to be admitted*
13 *or paroled into the United States or to re-*
14 *ceive any other benefit under the Immigra-*
15 *tion and Nationality Act (8 U.S.C. 1101 et*
16 *seq.).*

17 (B) *CURRENT VISAS REVOKED.—*

18 (i) *IN GENERAL.—An alien described*
19 *in subsection (a)(1) is subject to revocation*
20 *of any visa or other entry documentation*
21 *regardless of when the visa or other entry*
22 *documentation is or was issued.*

23 (ii) *IMMEDIATE EFFECT.—A revoca-*
24 *tion under clause (i) shall—*

1 (I) take effect pursuant to section
2 221(i) of the Immigration and Nation-
3 ality Act (8 U.S.C. 1201(i)); and

4 (II) cancel any other valid visa or
5 entry documentation that is in the
6 alien's possession.

7 (c) *SANCTIONS FOR ENTITIES ENGAGING OR ASSIST-*
8 *ING SIGNIFICANT ACTIVITIES UNDERMINING CYBERSECU-*
9 *RITY.*—*The sanctions to be imposed under subsection (a)(3)*
10 *with respect to an entity are the following:*

11 (1) *EXPORT-IMPORT BANK ASSISTANCE FOR EX-*
12 *PORTS TO SANCTIONED PERSONS.*—*The President*
13 *may direct the Export-Import Bank of the United*
14 *States not to give approval to the issuance of any*
15 *guarantee, insurance, extension of credit, or partici-*
16 *pation in the extension of credit in connection with*
17 *the export of any goods or services to the entity.*

18 (2) *EXPORT SANCTION.*—*The President may*
19 *order the United States Government not to issue any*
20 *specific license and not to grant any other specific*
21 *permission or authority to export any goods or tech-*
22 *nology to the entity under—*

23 (A) *the Export Control Reform Act of 2018*
24 *(50 U.S.C. 4801 et seq.);*

1 (B) *the Arms Export Control Act (22*
2 *U.S.C. 2751 et seq.)*;

3 (C) *the Atomic Energy Act of 1954 (42*
4 *U.S.C. 2011 et seq.)*; or

5 (D) *any other statute that requires the prior*
6 *review and approval of the United States Gov-*
7 *ernment as a condition for the export or reexport*
8 *of goods or services.*

9 (3) *LOANS FROM UNITED STATES FINANCIAL IN-*
10 *STITUTIONS.—The President may prohibit any*
11 *United States financial institution from making*
12 *loans or providing credits to the entity totaling more*
13 *than \$10,000,000 in any 12-month period unless the*
14 *person is engaged in activities to relieve human suf-*
15 *fering and the loans or credits are provided for such*
16 *activities.*

17 (4) *LOANS FROM INTERNATIONAL FINANCIAL IN-*
18 *STITUTIONS.—The President may direct the United*
19 *States executive director to each international finan-*
20 *cial institution to use the voice and vote of the United*
21 *States to oppose any loan from the international fi-*
22 *nancial institution that would benefit the entity.*

23 (5) *PROHIBITIONS ON FINANCIAL INSTITU-*
24 *TIONS.—The following prohibitions may be imposed*

1 *against the entity if the entity is a financial institu-*
2 *tion:*

3 (A) *PROHIBITION ON DESIGNATION AS PRI-*
4 *MARY DEALER.*—*Neither the Board of Governors*
5 *of the Federal Reserve System nor the Federal*
6 *Reserve Bank of New York may designate, or*
7 *permit the continuation of any prior designation*
8 *of, the financial institution as a primary dealer*
9 *in United States Government debt instruments.*

10 (B) *PROHIBITION ON SERVICE AS A REPOSI-*
11 *TORY OF GOVERNMENT FUNDS.*—*The financial*
12 *institution may not serve as agent of the United*
13 *States Government or serve as repository for*
14 *United States Government funds.*

15 *The imposition of either sanction under subparagraph*
16 *(A) or (B) shall be treated as one sanction for pur-*
17 *poses of subsection (a)(3), and the imposition of both*
18 *such sanctions shall be treated as 2 sanctions for pur-*
19 *poses of subsection (a)(3).*

20 (6) *PROCUREMENT SANCTION.*—*The United*
21 *States Government may not procure, or enter into*
22 *any contract for the procurement of, any goods or*
23 *services from the entity.*

24 (7) *FOREIGN EXCHANGE.*—*The President may,*
25 *pursuant to such regulations as the President may*

1 *prescribe, prohibit any transactions in foreign ex-*
2 *change that are subject to the jurisdiction of the*
3 *United States and in which the entity has any inter-*
4 *est.*

5 (8) *BANKING TRANSACTIONS.*—*The President*
6 *may, pursuant to such regulations as the President*
7 *may prescribe, prohibit any transfers of credit or*
8 *payments between financial institutions or by,*
9 *through, or to any financial institution, to the extent*
10 *that such transfers or payments are subject to the ju-*
11 *risdiction of the United States and involve any inter-*
12 *est of the entity.*

13 (9) *PROPERTY TRANSACTIONS.*—*The President*
14 *may, pursuant to such regulations as the President*
15 *may prescribe, prohibit any person from—*

16 (A) *acquiring, holding, withholding, using,*
17 *transferring, withdrawing, transporting, or ex-*
18 *porting any property that is subject to the juris-*
19 *isdiction of the United States and with respect to*
20 *which the entity has any interest;*

21 (B) *dealing in or exercising any right,*
22 *power, or privilege with respect to such property;*
23 *or*

24 (C) *conducting any transaction involving*
25 *such property.*

1 (10) *BAN ON INVESTMENT IN EQUITY OR DEBT*
2 *OF SANCTIONED PERSON.*—*The President may, pursu-*
3 *ant to such regulations or guidelines as the President*
4 *may prescribe, prohibit any United States person*
5 *from investing in or purchasing significant amounts*
6 *of equity or debt instruments of the entity.*

7 (11) *EXCLUSION OF CORPORATE OFFICERS.*—*The*
8 *President may direct the Secretary of State to deny*
9 *a visa to, and the Secretary of Homeland Security to*
10 *exclude from the United States, any alien that the*
11 *President determines is a corporate officer or prin-*
12 *cipal of, or a shareholder with a controlling interest*
13 *in, the entity.*

14 (12) *SANCTIONS ON PRINCIPAL EXECUTIVE OFFI-*
15 *CERS.*—*The President may impose on the principal*
16 *executive officer or officers of the entity, or on persons*
17 *performing similar functions and with similar au-*
18 *thorities as such officer or officers, any of the sanc-*
19 *tions under this subsection.*

20 (d) *NATIONAL SECURITY WAIVER.*—*The President*
21 *may waive the imposition of sanctions under this section*
22 *with respect to a foreign person if the President—*

23 (1) *determines that such a waiver is in the na-*
24 *tional security interests of the United States; and*

1 (2) *not more than 15 days after issuing the*
2 *waiver, submits to the appropriate congressional com-*
3 *mittees a notification of the waiver and the reasons*
4 *for the waiver.*

5 *(e) SIGNIFICANT ACTIVITIES UNDERMINING CYBERSE-*
6 *CURITY DEFINED.—In this section, the term “significant*
7 *activities undermining cybersecurity” includes—*

8 (1) *significant efforts—*

9 (A) *to deny access to or degrade, com-*
10 *promise, disrupt, or destroy an information and*
11 *communications technology system or network;*
12 *or*

13 (B) *to exfiltrate, degrade, corrupt, destroy,*
14 *or release information from such a system or*
15 *network without authorization for purposes of—*

16 (i) *conducting influence operations; or*

17 (ii) *causing a significant misappro-*
18 *priation of funds, economic resources, trade*
19 *secrets, personal identifications, or financial*
20 *information for commercial or competitive*
21 *advantage or private financial gain;*

22 (2) *significant destructive malware attacks; or*

23 (3) *significant denial of service activities.*

1 **SEC. 5204. IMPOSITION OF SANCTIONS WITH RESPECT TO**
2 **THEFT OF TRADE SECRETS OF UNITED**
3 **STATES PERSONS.**

4 *(a) REPORT REQUIRED.—*

5 *(1) IN GENERAL.—Not later than 180 days after*
6 *the date of the enactment of this Act, and not less fre-*
7 *quently than annually thereafter, the President shall*
8 *submit to the appropriate congressional committees a*
9 *report—*

10 *(A) identifying any foreign person the*
11 *President determines, during the period specified*
12 *in paragraph (2)—*

13 *(i) has knowingly engaged in, or bene-*
14 *fitted from, significant theft of trade secrets*
15 *of United States persons, if the theft of such*
16 *trade secrets occurred on or after such date*
17 *of enactment and is reasonably likely to re-*
18 *sult in, or has materially contributed to, a*
19 *significant threat to the national security,*
20 *foreign policy, or economic health or finan-*
21 *cial stability of the United States;*

22 *(ii) has provided significant financial,*
23 *material, or technological support for, or*
24 *goods or services in support of or to benefit*
25 *significantly from, such theft;*

1 (iii) is an entity that is owned or con-
2 trolled by, or that has acted or purported to
3 act for or on behalf of, directly or indi-
4 rectly, any foreign person identified under
5 clause (i) or (ii); or

6 (iv) is a chief executive officer or mem-
7 ber of the board of directors of any foreign
8 entity identified under clause (i) or (ii);

9 (B) describing the nature, objective, and
10 outcome of the theft of trade secrets each foreign
11 person described in subparagraph (A)(i) engaged
12 in or benefitted from; and

13 (C) assessing whether any chief executive of-
14 ficer or member of the board of directors de-
15 scribed in clause (iv) of subparagraph (A) en-
16 gaged in, or benefitted from, activity described in
17 clause (i) or (ii) of that subparagraph.

18 (2) *PERIOD SPECIFIED.*—The period specified in
19 this paragraph is—

20 (A) in the case of the first report required
21 by paragraph (1), the period beginning on the
22 date of the enactment of this Act and ending on
23 the date on which the report is required to be
24 submitted; and

1 (B) *in the case of each subsequent report re-*
2 *quired by paragraph (1), the one-year period*
3 *preceding the date on which the report is re-*
4 *quired to be submitted.*

5 (3) *FORM OF REPORT.*—*Each report required by*
6 *paragraph (1) shall be submitted in unclassified form*
7 *but may include a classified annex.*

8 (b) *AUTHORITY TO IMPOSE SANCTIONS.*—

9 (1) *SANCTIONS APPLICABLE TO ENTITIES.*—*In*
10 *the case of a foreign entity identified under subpara-*
11 *graph (A) of subsection (a)(1) in the most recent re-*
12 *port submitted under that subsection, the President*
13 *shall impose not less than 5 of the following:*

14 (A) *BLOCKING OF PROPERTY.*—*The Presi-*
15 *dent may, pursuant to the International Emer-*
16 *gency Economic Powers Act (50 U.S.C. 1701 et*
17 *seq.), block and prohibit all transactions in all*
18 *property and interests in property of the entity*
19 *if such property and interests in property are in*
20 *the United States, come within the United*
21 *States, or are or come within the possession or*
22 *control of a United States person.*

23 (B) *INCLUSION ON ENTITY LIST.*—*The*
24 *President may include the entity on the entity*
25 *list maintained by the Bureau of Industry and*

1 *Security of the Department of Commerce and set*
2 *forth in Supplement No. 4 to part 744 of the Ex-*
3 *port Administration Regulations, for activities*
4 *contrary to the national security or foreign pol-*
5 *icy interests of the United States.*

6 (C) *EXPORT-IMPORT BANK ASSISTANCE FOR*
7 *EXPORTS TO SANCTIONED PERSONS.—The Presi-*
8 *dent may direct the Export-Import Bank of the*
9 *United States not to give approval to the*
10 *issuance of any guarantee, insurance, extension*
11 *of credit, or participation in the extension of*
12 *credit in connection with the export of any goods*
13 *or services to the entity.*

14 (D) *LOANS FROM UNITED STATES FINAN-*
15 *CIAL INSTITUTIONS.—The President may pro-*
16 *hibit any United States financial institution*
17 *from making loans or providing credits to the*
18 *entity totaling more than \$10,000,000 in any*
19 *12-month period unless the person is engaged in*
20 *activities to relieve human suffering and the*
21 *loans or credits are provided for such activities.*

22 (E) *LOANS FROM INTERNATIONAL FINAN-*
23 *CIAL INSTITUTIONS.—The President may direct*
24 *the United States executive director to each*
25 *international financial institution to use the*

1 *voice and vote of the United States to oppose any*
2 *loan from the international financial institution*
3 *that would benefit the entity.*

4 (F) *PROHIBITIONS ON FINANCIAL INSTITU-*
5 *TIONS.—The following prohibitions may be im-*
6 *posed against the entity if the entity is a finan-*
7 *cial institution:*

8 (i) *PROHIBITION ON DESIGNATION AS*
9 *PRIMARY DEALER.—Neither the Board of*
10 *Governors of the Federal Reserve System*
11 *nor the Federal Reserve Bank of New York*
12 *may designate, or permit the continuation*
13 *of any prior designation of, the financial*
14 *institution as a primary dealer in United*
15 *States Government debt instruments.*

16 (ii) *PROHIBITION ON SERVICE AS A*
17 *REPOSITORY OF GOVERNMENT FUNDS.—The*
18 *financial institution may not serve as agent*
19 *of the United States Government or serve as*
20 *repository for United States Government*
21 *funds.*

22 *The imposition of either sanction under clause*
23 *(i) or (ii) shall be treated as one sanction for*
24 *purposes of this subsection, and the imposition of*

1 *both such sanctions shall be treated as 2 sanc-*
2 *tions for purposes of this subsection.*

3 (G) *PROCUREMENT SANCTION.*—*The United*
4 *States Government may not procure, or enter*
5 *into any contract for the procurement of, any*
6 *goods or services from the entity.*

7 (H) *FOREIGN EXCHANGE.*—*The President*
8 *may, pursuant to such regulations as the Presi-*
9 *dent may prescribe, prohibit any transactions in*
10 *foreign exchange that are subject to the jurisdic-*
11 *tion of the United States and in which the entity*
12 *has any interest.*

13 (I) *BANKING TRANSACTIONS.*—*The Presi-*
14 *dent may, pursuant to such regulations as the*
15 *President may prescribe, prohibit any transfers*
16 *of credit or payments between financial institu-*
17 *tions or by, through, or to any financial institu-*
18 *tion, to the extent that such transfers or pay-*
19 *ments are subject to the jurisdiction of the*
20 *United States and involve any interest of the en-*
21 *tity.*

22 (J) *BAN ON INVESTMENT IN EQUITY OR*
23 *DEBT OF SANCTIONED PERSON.*—*The President*
24 *may, pursuant to such regulations or guidelines*
25 *as the President may prescribe, prohibit any*

1 *United States person from investing in or pur-*
2 *chasing significant amounts of equity or debt in-*
3 *struments of the entity.*

4 (K) *EXCLUSION OF CORPORATE OFFI-*
5 *CERS.—The President may direct the Secretary*
6 *of State to deny a visa to, and the Secretary of*
7 *Homeland Security to exclude from the United*
8 *States, any alien that the President determines*
9 *is a corporate officer or principal of, or a share-*
10 *holder with a controlling interest in, the entity.*

11 (L) *SANCTIONS ON PRINCIPAL EXECUTIVE*
12 *OFFICERS.—The President may impose on the*
13 *principal executive officer or officers of the enti-*
14 *ty, or on individuals performing similar func-*
15 *tions and with similar authorities as such officer*
16 *or officers, any of the sanctions under this para-*
17 *graph.*

18 (2) *SANCTIONS APPLICABLE TO INDIVIDUALS.—*
19 *In the case of an alien identified under subparagraph*
20 *(A) of subsection (a)(1) in the most recent report sub-*
21 *mitted under that subsection, the following shall*
22 *apply:*

23 (A) *BLOCKING OF PROPERTY.—The Presi-*
24 *dent shall, pursuant to the International Emer-*
25 *gency Economic Powers Act (50 U.S.C. 1701 et*

1 *seq.*), block and prohibit all transactions in all
2 property and interests in property of the alien if
3 such property and interests in property are in
4 the United States, come within the United
5 States, or are or come within the possession or
6 control of a United States person.

7 (B) *INELIGIBILITY FOR VISAS, ADMISSION,*
8 *OR PAROLE.*—

9 (i) *VISAS, ADMISSION, OR PAROLE.*—

10 An alien described in subparagraph (A) of
11 subsection (a)(1) is—

12 (I) *inadmissible to the United*
13 *States;*

14 (II) *ineligible to receive a visa or*
15 *other documentation to enter the*
16 *United States; and*

17 (III) *otherwise ineligible to be ad-*
18 *mitted or paroled into the United*
19 *States or to receive any other benefit*
20 *under the Immigration and Nation-*
21 *ality Act (8 U.S.C. 1101 et seq.).*

22 (ii) *CURRENT VISAS REVOKED.*—

23 (I) *IN GENERAL.*—An alien de-
24 scribed in subparagraph (A) of sub-
25 section (a)(1) is subject to revocation of

1 *any visa or other entry documentation*
2 *regardless of when the visa or other*
3 *entry documentation is or was issued.*

4 (II) *IMMEDIATE EFFECT.*—*A rev-*
5 *ocation under subclause (I) shall—*

6 *(aa) take effect pursuant to*
7 *section 221(i) of the Immigration*
8 *and Nationality Act (8 U.S.C.*
9 *1201(i)); and*

10 *(bb) cancel any other valid*
11 *visa or entry documentation that*
12 *is in the alien's possession.*

13 (c) *NATIONAL INTEREST WAIVER.*—*The President may*
14 *waive the imposition of sanctions under subsection (b) with*
15 *respect to a person if the President—*

16 (1) *determines that such a waiver is in the na-*
17 *tional interests of the United States; and*

18 (2) *not more than 15 days after issuing the*
19 *waiver, submits to the appropriate congressional com-*
20 *mittees a notification of the waiver and the reasons*
21 *for the waiver.*

22 (d) *TERMINATION OF SANCTIONS.*—*Sanctions imposed*
23 *under subsection (b) with respect to a foreign person identi-*
24 *fied in a report submitted under subsection (a) shall termi-*
25 *nate if the President certifies to the appropriate congres-*

1 sional committees, before the termination takes effect, that
2 the person is no longer engaged in the activity identified
3 in the report.

4 (e) *DEFINITIONS.*—*In this section:*

5 (1) *EXPORT ADMINISTRATION REGULATIONS.*—
6 The term “*Export Administration Regulations*”
7 means subchapter C of chapter VII of title 15, Code
8 of Federal Regulations.

9 (2) *FOREIGN ENTITY.*—*The term “foreign entity”*
10 *means an entity that is not a United States person.*

11 (3) *TRADE SECRET.*—*The term “trade secret”*
12 *has the meaning given that term in section 1839 of*
13 *title 18, United States Code.*

14 **SEC. 5205. IMPLEMENTATION; PENALTIES.**

15 (a) *IMPLEMENTATION.*—*The President may exercise*
16 *all authorities provided under sections 203 and 205 of the*
17 *International Emergency Economic Powers Act (50 U.S.C.*
18 *1702 and 1704) to carry out this subtitle.*

19 (b) *PENALTIES.*—*A person that violates, attempts to*
20 *violate, conspires to violate, or causes a violation of this*
21 *subtitle or any regulation, license, or order issued to carry*
22 *out this subtitle shall be subject to the penalties set forth*
23 *in subsections (b) and (c) of section 206 of the International*
24 *Emergency Economic Powers Act (50 U.S.C. 1705) to the*

1 *same extent as a person that commits an unlawful act de-*
2 *scribed in subsection (a) of that section.*

3 **SEC. 5206. EXCEPTIONS.**

4 (a) *INTELLIGENCE ACTIVITIES.*—*This subtitle shall*
5 *not apply with respect to activities subject to the reporting*
6 *requirements under title V of the National Security Act of*
7 *1947 (50 U.S.C. 3091 et seq.) or any authorized intelligence*
8 *activities of the United States.*

9 (b) *LAW ENFORCEMENT ACTIVITIES.*—*Sanctions*
10 *under this subtitle shall not apply with respect to any au-*
11 *thorized law enforcement activities of the United States.*

12 (c) *EXCEPTION TO COMPLY WITH INTERNATIONAL*
13 *AGREEMENTS.*—*Sanctions under this subtitle shall not*
14 *apply with respect to the admission of an alien to the*
15 *United States if such admission is necessary to comply with*
16 *the obligations of the United States under the Agreement*
17 *regarding the Headquarters of the United Nations, signed*
18 *at Lake Success June 26, 1947, and entered into force No-*
19 *vember 21, 1947, between the United Nations and the*
20 *United States, or the Convention on Consular Relations,*
21 *done at Vienna April 24, 1963, and entered into force*
22 *March 19, 1967, or other international obligations.*

23 (d) *EXCEPTION RELATING TO IMPORTATION OF*
24 *GOODS.*—

1 (1) *IN GENERAL.*—*The authority or a require-*
 2 *ment to impose sanctions under this subtitle shall not*
 3 *include the authority or a requirement to impose*
 4 *sanctions on the importation of goods.*

5 (2) *GOOD DEFINED.*—*In this subsection, the term*
 6 *“good” means any article, natural or manmade sub-*
 7 *stance, material, supply, or manufactured product,*
 8 *including inspection and test equipment, and exclud-*
 9 *ing technical data.*

10 ***Subtitle B—Export Control Review***
 11 ***And Other Matters***

12 ***SEC. 5211. REVIEW AND CONTROLS ON EXPORT OF ITEMS***
 13 ***WITH CRITICAL CAPABILITIES TO ENABLE***
 14 ***HUMAN RIGHTS ABUSES.***

15 (a) *STATEMENT OF POLICY.*—*It is the policy of the*
 16 *United States to use export controls to the extent necessary*
 17 *to further the protection of internationally recognized*
 18 *human rights.*

19 (b) *REVIEW OF ITEMS WITH CRITICAL CAPABILITIES*
 20 *TO ENABLE HUMAN RIGHTS ABUSES.*—*Not later than 180*
 21 *days after the date of the enactment of this Act, and as*
 22 *appropriate thereafter, the Secretary, in coordination with*
 23 *the Secretary of State, the Director of National Intelligence,*
 24 *and the heads of other Federal agencies as appropriate,*
 25 *shall conduct a review of items subject to controls for crime*

1 *control reasons pursuant to section 742.7 of the Export Ad-*
2 *ministration Regulations.*

3 (c) *CONTROLS.*—*In furtherance of the policy set forth*
4 *in subsection (a), not later than 60 days after completing*
5 *the review required by subsection (b), the Secretary, in co-*
6 *ordination with the heads of other Federal agencies as ap-*
7 *propriate, shall determine whether additional export con-*
8 *trols are needed to protect human rights, including wheth-*
9 *er—*

10 (1) *controls for crime control reasons pursuant*
11 *to section 742.7 of the Export Administration Regula-*
12 *tions should be imposed on additional items, includ-*
13 *ing items with critical capabilities to enable human*
14 *rights abuses involving—*

15 (A) *ensorship or social control;*

16 (B) *surveillance, interception, or restriction*
17 *of communications;*

18 (C) *monitoring or restricting access to or*
19 *use of the internet;*

20 (D) *identification of individuals through fa-*
21 *cial or voice recognition or biometric indicators;*

22 *or*

23 (E) *DNA sequencing; or*

24 (2) *end-use and end-user controls should be im-*
25 *posed on the export, reexport, or in-country transfer*

1 *of certain items with critical capabilities to enable*
2 *human rights abuses that are subject to the Export*
3 *Administration Regulations if the person seeking to*
4 *export, reexport, or transfer the item has knowledge,*
5 *or the Secretary determines and so informs that per-*
6 *son, that the end-user or ultimate consignee will use*
7 *the item to enable human rights abuses.*

8 *(d) COOPERATION OF OTHER AGENCIES.—Upon re-*
9 *quest from the Secretary, the head of a Federal agency shall*
10 *provide full support and cooperation to the Secretary in*
11 *carrying out this section.*

12 *(e) INTERNATIONAL COORDINATION ON CONTROLS TO*
13 *PROTECT HUMAN RIGHTS.—It shall be the policy of the*
14 *United States to seek to secure the cooperation of other gov-*
15 *ernments to impose export controls that are consistent, to*
16 *the extent possible, with the controls imposed under this sec-*
17 *tion.*

18 *(f) CONFORMING AMENDMENT.—Section 1752(2)(A) of*
19 *the Export Control Reform Act of 2018 (50 U.S.C.*
20 *4811(2)(A)) is amended—*

21 *(1) in clause (iv), by striking “; or” and insert-*
22 *ing a semicolon;*

23 *(2) in clause (v), by striking the period and in-*
24 *serting “; or”; and*

25 *(3) by adding at the end the following:*

1 “(vi) serious human rights abuses.”.

2 (g) *DEFINITIONS.*—*In this section:*

3 (1) *END-USER; KNOWLEDGE; ULTIMATE CON-*
4 *SIGNEE.*—*The terms “end-user”, “knowledge”, and*
5 *“ultimate consignee” have the meanings given those*
6 *terms in section 772.1 of the Export Administration*
7 *Regulations.*

8 (2) *EXPORT; EXPORT ADMINISTRATION REGULA-*
9 *TIONS; IN-COUNTRY TRANSFER; ITEM; REEXPORT.*—
10 *The terms “export”, “Export Administration Regula-*
11 *tions”, “in-country transfer”, “item”, and “reexport”*
12 *have the meanings given those terms in section 1742*
13 *of the Export Control Reform Act of 2018 (50 U.S.C.*
14 *4801).*

15 (3) *SECRETARY.*—*The term “Secretary” means*
16 *the Secretary of Commerce.*

17 **SEC. 5212. PROHIBITION ON REVIEWS BY COMMITTEE ON**
18 **FOREIGN INVESTMENT IN THE UNITED**
19 **STATES OF CERTAIN FOREIGN GIFTS TO AND**
20 **CONTRACTS WITH INSTITUTIONS OF HIGHER**
21 **EDUCATION.**

22 (a) *IN GENERAL.*—*Notwithstanding any other provi-*
23 *sion of law, the Committee on Foreign Investment in the*
24 *United States may not review or investigate a gift to an*
25 *institution of higher education from a foreign person, or*

1 *the entry into a contract by such an institution with a for-*
2 *eign person, that is not a covered transaction as defined*
3 *in section 721(a)(4) of the Defense Production Act of 1950*
4 *(50 U.S.C. 4565(a)(4)), as in effect on the day before the*
5 *date of the enactment of this Act.*

6 (b) *PROHIBITION ON USE OF FUNDS.—Notwith-*
7 *standing any other provision of law, none of the funds au-*
8 *thorized to be appropriated or otherwise made available for*
9 *fiscal year 2021 or any fiscal year thereafter may be obli-*
10 *gated or expended by the Committee on Foreign Investment*
11 *in the United States to review or investigate a gift or con-*
12 *tract described in subsection (a).*

13 **SEC. 5213. CONFORMING AMENDMENTS TO TREASURY POSI-**
14 **TIONS ESTABLISHED BY FOREIGN INVEST-**
15 **MENT RISK REVIEW MODERNIZATION ACT OF**
16 **2018.**

17 (a) *TITLE 31.—Section 301(e) of title 31, United*
18 *States Code, is amended in the first sentence by striking*
19 *“8” and inserting “9”.*

20 (b) *TITLE 5.—Section 5315 of title 5, United States*
21 *Code, is amended by striking “Assistant Secretaries of the*
22 *Treasury (10).” and inserting “Assistant Secretaries of the*
23 *Treasury (11).”.*

TITLE III—REPORTS**SEC. 5301. REVIEW OF THE PRESENCE OF CHINESE ENTITIES IN UNITED STATES CAPITAL MARKETS.***(a) REPORT REQUIRED.—*

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, 3 years after such date of enactment, and 5 years after such date of enactment, the Secretary of the Treasury, in consultation with the Director of National Intelligence, the Secretary of State, and the Chairman of the Securities and Exchange Commission, shall submit to the appropriate congressional committees an unclassified report that describes the risks posed to the United States by the presence in United States capital markets of entities incorporated in the People’s Republic of China.

(2) MATTERS TO BE INCLUDED.—Each report required under paragraph (1) shall—

(A) identify entities incorporated in the People’s Republic of China—

(i)(I) the securities (including American depositary receipts) of which are listed or traded on one or several national securities exchanges, or traded through any process commonly referred to as the “over-the-

1 *counter” method of trading, within the*
2 *United States; or*

3 *(II) that have “A Shares” listed or*
4 *traded on mainland exchanges in the Peo-*
5 *ple’s Republic of China that are included in*
6 *index-based, exchange-traded funds pur-*
7 *chased or sold within the United States;*
8 *and*

9 *(ii) that, based on the factors for con-*
10 *sideration described in paragraph (3), have*
11 *knowingly and materially contributed to—*

12 *(I) activities that undermine*
13 *United States national security;*

14 *(II) serious abuses of internation-*
15 *ally recognized human rights; or*

16 *(III) a substantially increased fi-*
17 *nancial risk exposure for United*
18 *States-based investors;*

19 *(B) describe the activities of the entities*
20 *identified pursuant to subparagraph (A) and*
21 *their implications for the United States; and*

22 *(C) develop policy recommendations for the*
23 *United States Government, United States finan-*
24 *cial institutions, national securities exchanges,*
25 *and other relevant stakeholders to address any*

1 *risks posed by the presence in United States cap-*
2 *ital markets of the entities identified pursuant to*
3 *subparagraph (A).*

4 (3) *FACTORS FOR CONSIDERATION.*—*In com-*
5 *pleting each report under paragraph (1), the Sec-*
6 *retary of the Treasury shall consider whether an enti-*
7 *ty identified pursuant to paragraph (2)(A)—*

8 (A) *has materially contributed to the devel-*
9 *opment or manufacture, or sold or facilitated*
10 *procurement by the People’s Liberation Army, of*
11 *lethal military equipment or component parts of*
12 *such equipment;*

13 (B) *has contributed to the construction and*
14 *militarization of features in the South China*
15 *Sea;*

16 (C) *has been sanctioned by the United*
17 *States or has been determined to have conducted*
18 *business with sanctioned entities;*

19 (D) *has engaged in an act or a series of acts*
20 *of intellectual property theft;*

21 (E) *has engaged in corporate or economic*
22 *espionage;*

23 (F) *has contributed to the proliferation of*
24 *nuclear or missile technology in violation of*

1 *United Nations Security Council resolutions or*
2 *United States sanctions;*

3 *(G) has contributed to the repression of reli-*
4 *gious and ethnic minorities within the People’s*
5 *Republic of China, including in the Xinjiang*
6 *Uyghur Autonomous Region or the Tibet Autono-*
7 *mous Region;*

8 *(H) has contributed to the development of*
9 *technologies that enable censorship directed or di-*
10 *rectly supported by the Government of the Peo-*
11 *ple’s Republic of China;*

12 *(I) has failed to comply fully with Federal*
13 *securities laws (including required audits by the*
14 *Public Company Accounting Oversight Board)*
15 *and “material risk” disclosure requirements of*
16 *the Securities and Exchange Commission; or*

17 *(J) has contributed to other activities or be-*
18 *havior determined to be relevant by the Secretary*
19 *of the Treasury.*

20 *(b) REPORT FORM.—Each report required under sub-*
21 *section (a)(1) shall be submitted in unclassified form but*
22 *may include a classified annex.*

23 *(c) PUBLICATION.—The unclassified portion of a re-*
24 *port under subsection (a)(1) shall be made accessible to the*

1 *public online through relevant United States Government*
2 *websites.*

3 *(d) DEFINITIONS.—In this section:*

4 *(1) APPROPRIATE CONGRESSIONAL COMMIT-*
5 *TEES.—The term “appropriate congressional commit-*
6 *tees” means—*

7 *(A) the Committee on Banking, Housing,*
8 *and Urban Affairs, the Committee on Foreign*
9 *Relations, and the Select Committee on Intel-*
10 *ligence of the Senate; and*

11 *(B) the Committee on Financial Services,*
12 *the Committee on Foreign Affairs, and the Per-*
13 *manent Select Committee on Intelligence of the*
14 *House of Representatives.*

15 *(2) NATIONAL SECURITIES EXCHANGE.—The*
16 *term “national securities exchange” means an ex-*
17 *change registered as a national securities exchange in*
18 *accordance with section 6 of the Securities Exchange*
19 *Act of 1934 (15 U.S.C. 78f).*

20 **SEC. 5302. REPORT ON MALIGN ACTIVITY INVOLVING CHI-**
21 **NESE STATE-OWNED ENTERPRISES.**

22 *(a) IN GENERAL.—Not later than one year after the*
23 *date of the enactment of this Act, the President shall submit*
24 *to the appropriate congressional committees a report that—*

1 (1) *assesses whether and to what extent state-*
2 *owned enterprises in the People’s Republic of China*
3 *are engaged in or knowingly facilitating—*

4 (A) *the commission of serious human rights*
5 *abuses, including toward religious or ethnic mi-*
6 *norities in the People’s Republic of China, in-*
7 *cluding in the Xinjiang Uyghur Autonomous Re-*
8 *gion;*

9 (B) *the use of forced or child labor, includ-*
10 *ing forced or child labor involving ethnic minori-*
11 *ties in the People’s Republic of China; or*

12 (C) *any actions that erode or undermine the*
13 *autonomy of Hong Kong from the People’s Re-*
14 *public of China, as established in the Basic Law*
15 *of Hong Kong and the Joint Declaration, and as*
16 *further described in the Hong Kong Autonomy*
17 *Act (Public Law 116–149; 22 U.S.C. 5701 note);*

18 (2) *identifies—*

19 (A) *any state-owned enterprises in the Peo-*
20 *ple’s Republic of China that are engaged in or*
21 *knowingly facilitating any activities described in*
22 *paragraph (1);*

23 (B) *any Communist Chinese military com-*
24 *panies identified under section 1237(b) of the*
25 *Strom Thurmond National Defense Authoriza-*

1 *tion Act for Fiscal Year 1999 (Public Law 105–*
2 *261; 50 U.S.C. 1701 note); and*

3 *(C) any majority-owned subsidiaries of such*
4 *enterprises or companies with a market capital-*
5 *ization of \$5,000,000,000 or more;*

6 *(3)(A) assesses whether each enterprise, company,*
7 *or subsidiary identified under paragraph (2) received,*
8 *during the 5-year period preceding submission of the*
9 *report, any financial assistance from the United*
10 *States Government; and*

11 *(B) in the case of any such enterprise, company,*
12 *or subsidiary that received financial assistance from*
13 *an agency of the United States Government during*
14 *that period, identifies the amount of such assistance*
15 *received by the enterprise, company, or subsidiary;*
16 *and*

17 *(4) includes recommendations for any legislative*
18 *or administrative action to address matters identified*
19 *in the report, including any recommendations with*
20 *respect to additional limitations on United States fi-*
21 *nancial assistance provided to enterprises, companies,*
22 *and subsidiaries identified under paragraph (2).*

23 *(b) FORM OF REPORT.—The report required by sub-*
24 *section (a) shall be submitted in unclassified form but may*
25 *include a classified annex.*

1 (c) *DEFINITIONS.*—*In this section:*

2 (1) *APPROPRIATE CONGRESSIONAL COMMIT-*
3 *TEES.*—*The term “appropriate congressional commit-*
4 *tees” means—*

5 (A) *the Committee on Banking, Housing,*
6 *and Urban Affairs and the Committee on For-*
7 *ign Relations of the Senate; and*

8 (B) *the Committee on Financial Services*
9 *and the Committee on Foreign Affairs of the*
10 *House of Representatives.*

11 (2) *JOINT DECLARATION.*—*The term “Joint Dec-*
12 *laration” means the Joint Declaration of the Govern-*
13 *ment of the United Kingdom of Great Britain and*
14 *Northern Ireland and the Government of the People’s*
15 *Republic of China on the Question of Hong Kong,*
16 *done at Beijing December 19, 1984.*

17 **SEC. 5303. REPORT ON USE AND APPLICABILITY OF SANC-**
18 **TIONS TO CHINESE OFFICIALS COMPLICIT IN**
19 **HUMAN RIGHTS VIOLATIONS AND VIOLA-**
20 **TIONS OF UNITED STATES SANCTIONS WITH**
21 **RESPECT TO HONG KONG.**

22 (a) *IN GENERAL.*—*Not later than 180 days after the*
23 *date of the enactment of this Act, the Secretary of State,*
24 *in consultation with the Secretary of the Treasury, shall*
25 *submit to the appropriate congressional committees a report*

1 *on the use and applicability of sanctions, including finan-*
2 *cial sanctions and the denial of visas to enter the United*
3 *States, with respect to officials of the Government of the*
4 *People’s Republic of China complicit in—*

5 (1) *human rights violations, including severe re-*
6 *ligious freedom restrictions and human trafficking; or*

7 (2) *violations of sanctions imposed by the United*
8 *States with respect to Hong Kong.*

9 (b) *ELEMENTS.—The report required by subsection (a)*
10 *shall include—*

11 (1) *a list of all relevant authorities under stat-*
12 *utes or Executive orders for imposing sanctions de-*
13 *scribed in subsection (a);*

14 (2) *an assessment of where, if at all, such au-*
15 *thorities may conflict, overlap, or otherwise require*
16 *clarification;*

17 (3) *a list of all instances in which designations*
18 *for the imposition of sanctions described in subsection*
19 *(a) were made during the one-year period preceding*
20 *submission of the report; and*

21 (4) *an assessment of the effectiveness of those des-*
22 *ignations in changing desired behavior and rec-*
23 *ommendations for increasing the effectiveness of such*
24 *designations.*

1 (c) *FORM OF REPORT.*—The report required by sub-
2 section (a) shall be submitted in unclassified form but may
3 include a classified annex.

4 (d) *APPROPRIATE CONGRESSIONAL COMMITTEES DE-*
5 *FINED.*—In this section, the term “appropriate congres-
6 sional committees” means—

7 (1) the Committee on Banking, Housing, and
8 Urban Affairs and the Committee on Foreign Rela-
9 tions of the Senate; and

10 (2) the Committee on Financial Services and the
11 Committee on Foreign Affairs of the House of Rep-
12 resentatives.

13 **SEC. 5304. REPORT ON DOMESTIC SHORTFALLS OF INDUS-**
14 **TRIAL RESOURCES, MATERIALS, AND CRIT-**
15 **ICAL TECHNOLOGY ITEMS ESSENTIAL TO THE**
16 **NATIONAL DEFENSE.**

17 (a) *IN GENERAL.*—Not later than 180 days after the
18 date of the enactment of this Act, the President shall submit
19 to the Committee on Banking, Housing, and Urban Affairs
20 of the Senate and the Committee on Financial Services of
21 the House of Representatives a report that—

22 (1) identifies current or projected domestic short-
23 falls of industrial resources, materials, or critical
24 technology items essential to the national defense;

1 *Urban Affairs of the Senate and the Committee on Finan-*
2 *cial Services of the House of Representatives a report on*
3 *the implementation of the formal process for the exchange*
4 *of information with governments of countries that are allies*
5 *or partners of the United States described in section*
6 *721(c)(3) of the Defense Production Act of 1950 (50 U.S.C.*
7 *4565(c)(3)).*

8 (b) *FORM OF REPORT.*—*The report required by sub-*
9 *section (a) shall be submitted in unclassified form but may*
10 *include a classified annex.*

11 **SEC. 5306. REPORT ON ECONOMIC AND NATIONAL SECU-**
12 **RITY IMPLICATIONS OF CHANGES TO CROSS-**
13 **BORDER PAYMENT AND FINANCIAL MES-**
14 **SAGING SYSTEMS.**

15 (a) *IN GENERAL.*—*Not later than 180 days after the*
16 *date of the enactment of this Act, the Secretary of the Treas-*
17 *ury, in collaboration with the Secretary of State and the*
18 *Board of Governors of the Federal Reserve System, shall*
19 *submit to the appropriate congressional committees a report*
20 *on the economic and national security implications of ma-*
21 *terial changes to the infrastructure or ecosystem of cross-*
22 *border payment and financial messaging systems, including*
23 *alternative systems being developed by other countries.*

24 (b) *ELEMENTS.*—*The report required by subsection (a)*
25 *shall include—*

1 (1) *an assessment of the impact of—*

2 (A) *how changes to the infrastructure or*
3 *ecosystem of cross-border payment and financial*
4 *messaging systems, including emerging systems*
5 *that enable cross-border payments, will affect*
6 *United States national security interests, includ-*
7 *ing enforcement of United States and inter-*
8 *national anti-money laundering, countering the*
9 *financing of terrorism, and sanctions standards*
10 *designed to safeguard the international financial*
11 *system; and*

12 (B) *other relevant national security impli-*
13 *cations of such changes;*

14 (2) *an assessment of the implications of any on-*
15 *going collaborations of international financial mes-*
16 *saging systems with emerging cross-border payment*
17 *or financial messaging systems;*

18 (3) *an assessment of the economic and national*
19 *security implications for the United States of changes*
20 *in participation by banks and state actors in alter-*
21 *native cross-border payment and financial messaging*
22 *systems; and*

23 (4) *recommendations for actions—*

1 (A) to bolster and protect the status of exist-
2 ing strong and reliable financial messaging sys-
3 tems for cross-border payments; and

4 (B) to ensure that the national security in-
5 terests of the United States, including those re-
6 lated to enforcement of international anti-money
7 laundering, countering the financing of ter-
8 rorism, and sanctions standards, are protected.

9 (c) *FORM OF REPORT.*—The report required by sub-
10 section (a) shall be submitted in unclassified form but may
11 include a classified annex.

12 (d) *APPROPRIATE CONGRESSIONAL COMMITTEES DE-*
13 *FINED.*—In this section, the term “appropriate congres-
14 sional committees” means—

15 (1) the Committee on Banking, Housing, and
16 Urban Affairs, the Committee on Foreign Relations,
17 and the Select Committee on Intelligence of the Sen-
18 ate; and

19 (2) the Committee on Financial Services, the
20 Committee on Foreign Affairs, and the Permanent
21 Select Committee on Intelligence of the House of Rep-
22 resentatives.

1 **SEC. 5307. REPORT ON DEVELOPMENT AND UTILIZATION**
2 **OF DUAL-USE TECHNOLOGIES BY THE GOV-**
3 **ERNMENT OF THE PEOPLE'S REPUBLIC OF**
4 **CHINA.**

5 (a) *IN GENERAL.*—Not later than 180 days after the
6 date of the enactment of this Act, the Secretary of State,
7 in coordination with the Secretary of Defense, the Secretary
8 of Commerce, the Secretary of Energy, and the Secretary
9 of the Treasury, shall submit to the appropriate congress-
10 sional committees a report that—

11 (1) *assesses the Government of the People's Re-*
12 *public of China's development and utilization of dual-*
13 *use technologies (including robotics, artificial intel-*
14 *ligence and autonomous systems, facial recognition*
15 *systems, quantum computing, cryptography, space*
16 *systems and satellites, 5G telecommunications, and*
17 *other digitally enabled technologies and services) and*
18 *the effects of such technologies on the national security*
19 *interests of the United States and allies of the United*
20 *States;*

21 (2) *assesses the Government of the People's Re-*
22 *public of China's use of global supply chains and*
23 *other international mechanisms to access foreign tech-*
24 *nology sources to aid in the development of its domes-*
25 *tic dual-use technologies, including—*

1 (A) the use of United States-sourced soft-
2 ware and hardware in Chinese manufactured
3 technologies;

4 (B) the use of European-sourced software
5 and hardware in Chinese manufactured tech-
6 nologies; and

7 (C) the use of the Belt and Road Initiative
8 to secure resources, knowledge, and other compo-
9 nents needed to develop critical dual-use tech-
10 nologies;

11 (3) assesses the Government of the People's Re-
12 public of China's industrial policy and monetary in-
13 vestments, including their effect on the development of
14 Chinese-made dual-use technologies;

15 (4) assesses the Government of the People's Re-
16 public of China's cyber espionage and the extent to
17 which such espionage has aided in China's develop-
18 ment of dual-use technologies;

19 (5) describes the policies the United States Gov-
20 ernment is adopting to protect the interests of the
21 United States with respect to dual-use technologies;
22 and

23 (6) recommends additional actions the United
24 States Government should take to enhance the protec-
25 tion of such interests.

1 (b) *APPROPRIATE CONGRESSIONAL COMMITTEES DE-*
2 *FINED.*—*In this section, the term “appropriate congres-*
3 *sional committees” means—*

4 (1) *the Committee on Banking, Housing, and*
5 *Urban Affairs and the Committee on Foreign Rela-*
6 *tions of the Senate; and*

7 (2) *the Committee on Financial Services and the*
8 *Committee on Foreign Affairs of the House of Rep-*
9 *resentatives.*

10 **SEC. 5308. REPORT ON CURRENCY ISSUES WITH RESPECT**
11 **TO THE PEOPLE’S REPUBLIC OF CHINA.**

12 *The Secretary of the Treasury shall submit to Congress*
13 *a report analyzing the economic effects of the People’s Re-*
14 *public of China’s movement toward a free floating currency,*
15 *including the effects on United States exports and economic*
16 *growth and job creation in the United States—*

17 (1) *not later than 180 days after the date of en-*
18 *actment of this Act; and*

19 (2) *not later than 30 days after the submission*
20 *to Congress of each report on the macroeconomic and*
21 *currency exchange rate policies of countries that are*
22 *major trading partners of the United States required*
23 *to be submitted under section 701 of the Trade Facili-*
24 *tation and Trade Enforcement Act of 2015 (19 U.S.C.*
25 *4421) after the date specified in paragraph (1).*

1 **SEC. 5309. REPORT ON EXPOSURE OF THE UNITED STATES**
2 **TO THE FINANCIAL SYSTEM OF THE PEOPLE'S**
3 **REPUBLIC OF CHINA.**

4 *Not later than one year after the date of the enactment*
5 *of this Act, the Secretary of the Treasury, in consultation*
6 *with the Chairman of the Board of Governors of the Federal*
7 *Reserve System, the Chairman of the Securities and Ex-*
8 *change Commission, and the Chairman of the Commodity*
9 *Futures Trading Commission, shall submit to Congress a*
10 *report on the exposure of the United States to the financial*
11 *sector of the People's Republic of China that includes—*

12 *(1) an assessment of the effects of reforms to the*
13 *financial sector of the People's Republic of China on*
14 *the United States and global financial systems;*

15 *(2) a description of the policies the United States*
16 *Government is adopting to protect the interests of the*
17 *United States while the financial sector of the Peo-*
18 *ple's Republic of China undergoes such reforms; and*

19 *(3) recommendations for additional actions the*
20 *United States Government should take to protect such*
21 *interests.*

22 **SEC. 5310. REPORT ON INVESTMENT RECIPROCITY BE-**
23 **TWEEN THE UNITED STATES AND THE PEO-**
24 **PLE'S REPUBLIC OF CHINA.**

25 *Not later than 180 days after the date of the enactment*
26 *of this Act, the Secretary of the Treasury, in consultation*

1 *with the Chairman of the Securities and Exchange Commis-*
 2 *sion, shall submit to Congress a report on investment reci-*
 3 *procity between the United States and the People’s Republic*
 4 *of China that includes—*

5 (1) *an identification of restrictions imposed by*
 6 *the Government of the People’s Republic of China on*
 7 *United States investment in the People’s Republic of*
 8 *China that are not comparable to restrictions imposed*
 9 *by the United States on Chinese investment in the*
 10 *United States; and*

11 (2) *recommendations for legislative or adminis-*
 12 *trative action that would be necessary to ensure that,*
 13 *on a reciprocal, sector-by-sector basis, there is an*
 14 *equivalent level of market access for United States in-*
 15 *vestors to the market of the People’s Republic of*
 16 *China as there is for Chinese investors to the market*
 17 *of the United States.*

18 ***DIVISION F—OTHER MATTERS***

19 ***SEC. 6001. TABLE OF CONTENTS.***

20 *The table of contents for this division is as follows:*

DIVISION F—OTHER MATTERS

Sec. 6001. Table of contents.

TITLE I—COMPETITIVENESS AND SECURITY FOR EDUCATION AND MEDICAL RESEARCH

Subtitle A—Department of Health and Human Services Programs

Sec. 6101. Foreign talent programs.

Sec. 6102. Securing identifiable, sensitive information.

Sec. 6103. Duties of the Director.

Sec. 6104. Protecting America’s biomedical research enterprise.

- Sec. 6105. GAO Study.*
Sec. 6106. Report on progress to address undue foreign influence.
Sec. 6107. Prohibition on funding for gain-of-function research conducted in China.

Subtitle B—Elementary and Secondary Education

- Sec. 6111. Postsecondary stem pathways grants.*
Sec. 6112. Improving access to elementary and secondary computer science education.

Subtitle C—Higher Education

- Sec. 6121. Reauthorization of international education programs under title VI of the Higher Education Act of 1965.*
Sec. 6122. Confucius Institutes.
Sec. 6123. Sustaining the Truman Foundation and the Madison Foundation.
Sec. 6124. Disclosures of foreign gifts and contracts at institutions of higher education.

TITLE II—COMMITTEE ON THE JUDICIARY PROVISIONS

- Sec. 6201. Short title.*
Sec. 6202. Premerger notification filing fees.
Sec. 6203. Authorization of appropriations.
Sec. 6204. Collection of demographic information for patent inventors.

TITLE III—MISCELLANEOUS

- Sec. 6301. Enhancing entrepreneurship for the 21st century.*
Sec. 6302. Prohibition on Federal funding for Wuhan Institute of Virology.
Sec. 6303. Enforcement of intellectual property provisions of Economic and Trade Agreement Between the Government of the United States of America and the Government of China.
Sec. 6304. Findings and sense of the Senate regarding an investigation to determine the origins of COVID-19.

1 TITLE I—COMPETITIVENESS AND
2 SECURITY FOR EDUCATION
3 AND MEDICAL RESEARCH

4 Subtitle A—Department of Health
5 and Human Services Programs

6 SEC. 6101. FOREIGN TALENT PROGRAMS.

7 *The Secretary of Health and Human Services shall re-*
8 *quire disclosure of participation in foreign talent programs,*
9 *consistent with section 2303, including the provision of cop-*

1 *ies of all grants, contracts, or other agreements related to*
2 *such programs, and other supporting documentation related*
3 *to such programs, as a condition of receipt of Federal extra-*
4 *mural biomedical research funding awarded through the*
5 *Department of Health and Human Services.*

6 **SEC. 6102. SECURING IDENTIFIABLE, SENSITIVE INFORMA-**
7 **TION.**

8 *(a) IN GENERAL.—The Secretary of Health and*
9 *Human Services (referred to in this section as the “Sec-*
10 *retary”), in consultation with the Director of National In-*
11 *telligence, the Secretary of State, the Secretary of Defense,*
12 *and other national security experts, as appropriate, shall*
13 *ensure that biomedical research supported or conducted by*
14 *the National Institutes of Health and other relevant agen-*
15 *cies and offices within the Department of Health and*
16 *Human Services involving the sequencing of human*
17 *genomic information, and collection, analysis, or storage of*
18 *identifiable, sensitive information, as defined in section*
19 *301(d)(4) of the Public Health Service Act (42 U.S.C.*
20 *241(d)(4)), is conducted in a manner that appropriately*
21 *considers national security risks, including national secu-*
22 *rity implications related to potential misuse of such data.*
23 *Not later than 1 year after the date of enactment of this*
24 *Act, the Secretary shall ensure that the National Institutes*
25 *of Health and other relevant agencies and offices within the*

1 *Department of Health and Human Services, working with*
2 *the heads of agencies and national security experts, includ-*
3 *ing the Office of the National Security within the Depart-*
4 *ment of Health and Human Services—*

5 *(1) develop a comprehensive framework for as-*
6 *sessing and managing such national security risks*
7 *that includes—*

8 *(A) criteria for how and when to conduct*
9 *risk assessments for projects that may have na-*
10 *tional security implications;*

11 *(B) security controls and training for re-*
12 *searchers or entities, including peer reviewers,*
13 *that manage or have access to such data; and*

14 *(C) methods to incorporate risk-reduction in*
15 *the process for funding such projects that may*
16 *have national security implications;*

17 *(2) not later than 1 year after the risk frame-*
18 *work is developed under paragraph (1), develop and*
19 *implement controls to—*

20 *(A) ensure that researchers or entities that*
21 *manage or have access to such data have com-*
22 *plied with the requirements of paragraph (1)*
23 *and ongoing requirements with such paragraph;*
24 *and*

1 (B) ensure that data access committees re-
2 viewing data access requests for projects that
3 may have national security risks, as appro-
4 priate, include members with expertise in cur-
5 rent and emerging national security threats, in
6 order to make appropriate decisions related to
7 access to such identifiable, sensitive information;
8 and

9 (3) not later than 2 years after the risk frame-
10 work is developed under paragraph (1), update data
11 access and sharing policies related to human genomic
12 data, as appropriate, based on current and emerging
13 national security threats.

14 (b) **CONGRESSIONAL BRIEFING.**—Not later than 1 year
15 after the date of enactment of this Act, the Secretary shall
16 provide a briefing to the Committee on Health, Education,
17 Labor, and Pensions and the Select Committee on Intel-
18 ligence of the Senate and the Committee on Energy and
19 Commerce and the Permanent Select Committee on Intel-
20 ligence of the House of Representatives on the activities re-
21 quired under subsection (a).

22 **SEC. 6103. DUTIES OF THE DIRECTOR.**

23 Section 402(b) in the Public Health Service Act (42
24 U.S.C. 282(b)) is amended—

1 (1) *in paragraph (24), by striking “; and” and*
2 *inserting a semicolon;*

3 (2) *in paragraph (25)(B), by striking the period*
4 *and inserting a semicolon; and*

5 (3) *by inserting after paragraph (25) the fol-*
6 *lowing:*

7 “(26) *shall consult with the Director of the Office*
8 *of National Security within the Department of Health*
9 *and Human Services, the Assistant Secretary for Pre-*
10 *paredness and Response, the Director of National In-*
11 *telligence, the Director of the Federal Bureau of Inves-*
12 *tigation, and the heads of other appropriate agencies*
13 *on a regular basis, regarding biomedical research con-*
14 *ducted or supported by the National Institutes of*
15 *Health that may affect or be affected by matters of*
16 *national security; and*

17 “(27) *shall ensure that recipients of awards from*
18 *the National Institutes of Health, and, as appropriate*
19 *and practicable, entities collaborating with such re-*
20 *ipients, have in place and are adhering to appro-*
21 *prate technology practices and policies for the secu-*
22 *rity of identifiable, sensitive information, including*
23 *information collected, stored, or analyzed by domestic*
24 *and non-domestic entities.”.*

1 **SEC. 6104. PROTECTING AMERICA'S BIOMEDICAL RESEARCH**
2 **ENTERPRISE.**

3 (a) *IN GENERAL.*—*The Secretary of Health and*
4 *Human Services (referred to in this section as the “Sec-*
5 *retary”), in collaboration with Assistant to the President*
6 *for National Security Affairs, the Director of National In-*
7 *telligence, the Director of the Federal Bureau of Investiga-*
8 *tion, and the heads of other relevant departments and agen-*
9 *cies, and in consultation with research institutions and re-*
10 *search advocacy organizations or other relevant experts, as*
11 *appropriate, shall—*

12 (1) *identify ways to improve the protection of*
13 *intellectual property and other proprietary informa-*
14 *tion, as well as identifiable, sensitive information of*
15 *participants in biomedical research and development,*
16 *from national security risks and other applicable*
17 *threats, including the identification of gaps in poli-*
18 *cies and procedures in such areas related to bio-*
19 *medical research and development supported by the*
20 *Department of Health and Human Services and bio-*
21 *medical research supported by other agencies as ap-*
22 *licable, and make recommendations to institutions of*
23 *higher education or other entities that have tradition-*
24 *ally received Federal funding for biomedical research*
25 *to protect such information;*

1 (2) *identify or develop strategies to prevent,*
2 *mitigate, and address national security threats in*
3 *biomedical research and development supported by the*
4 *Federal Government, including such threats associ-*
5 *ated with foreign talent programs, by countries seek-*
6 *ing to exploit United States technology and other pro-*
7 *prietary information as it relates to such biomedical*
8 *research and development;*

9 (3) *identify national security risks and potential*
10 *misuse of proprietary information, and identifiable,*
11 *sensitive information of biomedical research partici-*
12 *pants and other applicable risks, including with re-*
13 *spect to peer review, and make recommendations for*
14 *additional policies and procedures to protect such in-*
15 *formation;*

16 (4) *develop a framework to identify areas of bio-*
17 *medical research and development supported by the*
18 *Federal Government that are emerging areas of inter-*
19 *est for state actors and would compromise national*
20 *security if they were to be subjected to undue foreign*
21 *influence; and*

22 (5) *regularly review recommendations or policies*
23 *developed under this section and make additional rec-*
24 *ommendations or updates, as appropriate.*

1 **(b) REPORT TO PRESIDENT AND TO CONGRESS.**—Not
2 later than 1 year after the date of enactment of this Act,
3 the Secretary shall prepare and submit, in a manner that
4 does not compromise national security, to the President and
5 the Committee on Health, Education, Labor, and Pensions
6 and the Select Committee on Intelligence of the Senate, the
7 Committee on Energy and Commerce and the Permanent
8 Select Committee on Intelligence of the House of Represent-
9 atives, and other congressional committees as appropriate,
10 a report on the findings and recommendations pursuant to
11 subsection (a).

12 **SEC. 6105. GAO STUDY.**

13 **(a) IN GENERAL.**—The Comptroller General of the
14 United States (referred to in this section as the “Comp-
15 troller General”) shall conduct a study to assess the extent
16 to which the Department of Health and Human Services
17 (referred to in this section as the “Department”) utilizes
18 or provides funding to entities that utilize such funds for
19 human genomic sequencing services or genetic services (as
20 such term is defined in section 201(6) of the Genetic Infor-
21 mation Nondiscrimination Act of 2008 (42 U.S.C.
22 2000ff(6))) provided by entities, or subsidiaries of such enti-
23 ties, organized under the laws of a country or countries of
24 concern, in the estimation of the Director of National Intel-

1 *ligence or the head of another Federal department or agen-*
2 *cy, as appropriate.*

3 (b) *CONSIDERATIONS.—In carrying out the study*
4 *under this section, the Comptroller General shall—*

5 (1) *consider—*

6 (A) *the extent to which the country or coun-*
7 *tries of concern could obtain human genomic in-*
8 *formation of citizens and residents of the United*
9 *States from such entities that sequence, analyze,*
10 *collect, or store human genomic information and*
11 *which the Director of National Intelligence or the*
12 *head of another Federal department or agency*
13 *reasonably anticipates may use such information*
14 *in a manner inconsistent with the national secu-*
15 *rity interests of the United States;*

16 (B) *whether the Department or recipient of*
17 *such funds from the Department sought to pro-*
18 *vide funding to, or to use, domestic entities with*
19 *no such ties to the country or countries of con-*
20 *cern for such purposes and any barriers to the*
21 *use of domestic entities; and*

22 (C) *whether data use agreements, data secu-*
23 *rity measures, and other such measures taken by*
24 *the Department or recipient of such funds from*
25 *the Department are sufficient to protect the iden-*

1 *tifiable, sensitive information of the people of the*
2 *United States and the national security interests*
3 *of the United States; and*

4 (2) *make recommendations to address any*
5 *vulnerabilities to the United States national security*
6 *identified, as appropriate.*

7 (c) *ESTIMATION.*—*In conducting the study under this*
8 *section, the Comptroller General may, as appropriate and*
9 *necessary to complete such study, investigate specific in-*
10 *stances of such utilization of genetic sequencing services or*
11 *genetic services, as described in subsection (a), to produce*
12 *estimates of the potential prevalence of such utilization*
13 *among entities in receipt of Departmental funds.*

14 (d) *REPORT.*—*Not later than 2 years after the date*
15 *of enactment of this Act, the Comptroller General shall sub-*
16 *mit a report on the study under this section, in a manner*
17 *that does not compromise national security, to the Com-*
18 *mittee on Health, Education, Labor, and Pensions and the*
19 *Select Committee on Intelligence of the Senate, and the*
20 *Committee on Energy and Commerce and the Permanent*
21 *Select Committee on Intelligence of the House of Represent-*
22 *atives. The report shall be submitted in unclassified form,*
23 *to the extent practicable, but may include a classified*
24 *annex.*

1 **SEC. 6106. REPORT ON PROGRESS TO ADDRESS UNDUE**
2 **FOREIGN INFLUENCE.**

3 *Not later than 1 year after the date of enactment of*
4 *this Act and annually thereafter, the Secretary of Health*
5 *and Human Services shall prepare and submit to the Com-*
6 *mittee on Health, Education, Labor, and Pensions of the*
7 *Senate and the Committee on Energy and Commerce in the*
8 *House of Representatives, in a manner that does not com-*
9 *promise national security, a report on actions taken by such*
10 *Secretary—*

11 *(1) to address cases of noncompliance with dis-*
12 *closure requirements or other policies established*
13 *under section 2303 or research misconduct related to*
14 *foreign influence, including—*

15 *(A) the number of potential noncompliance*
16 *cases investigated by the National Institutes of*
17 *Health or reported to the National Institutes of*
18 *Health by a research institution, including relat-*
19 *ing to undisclosed research support, undisclosed*
20 *conflicts of interest or other conflicts of commit-*
21 *ment, and peer review violations;*

22 *(B) the number of cases referred to the Of-*
23 *fice of Inspector General of the Department of*
24 *Health and Human Services, the Office of Na-*
25 *tional Security of the Department of Health and*

1 ***Subtitle B—Elementary and***
2 ***Secondary Education***

3 **SEC. 6111. POSTSECONDARY STEM PATHWAYS GRANTS.**

4 (a) *PURPOSE.*—*The purpose of this section is to sup-*
5 *port equitable access to postsecondary STEM pathways to*
6 *increase the number of students exposed to high-quality*
7 *STEM advanced coursework, support students in reducing*
8 *college costs, and improve postsecondary credit transfers.*

9 (b) *DEFINITIONS.*—*In this section:*

10 (1) *ADVANCED COURSEWORK.*—*The term “ad-*
11 *vanced coursework” means coursework designed for*
12 *students to earn postsecondary credit upon its success-*
13 *ful completion while still in high school, including*
14 *coursework or assessments associated with Advanced*
15 *Placement, International Baccalaureate, a dual or*
16 *concurrent enrollment program, or an early college*
17 *high school program.*

18 (2) *ELIGIBLE ENTITY.*—*The term “eligible enti-*
19 *ty” means a partnership that—*

20 (A) *shall include—*

21 (i) *the State educational agency;*

22 (ii) *one or more local educational*
23 *agencies located in the State, which may in-*
24 *clude an educational service agency; and*

25 (iii) *either—*

1 (I) the State public higher edu-
2 cation system inclusive of all 2-year
3 and 4-year public institutions of high-
4 er education in the State; or

5 (II) a consortium of the State's
6 public higher education institutions or
7 systems that, together, is inclusive of
8 all 2-year and 4-year public institu-
9 tions of higher education in the State;
10 and

11 (B) may include 1 or more businesses, asso-
12 ciations, or nonprofit organizations representing
13 businesses, private nonprofit institutions of high-
14 er education, nonprofit organizations, a State
15 workforce agency, or a State workforce develop-
16 ment board established under section 101 of the
17 Workforce Innovation and Opportunity Act (29
18 U.S.C. 3111).

19 (3) *ESEA DEFINITIONS.*—The terms “dual or
20 concurrent enrollment program”, “early college high
21 school”, “educational service agency” “elementary
22 school”, “English learner”, “evidence-based”, “high
23 school”, “institution of higher education”, “local edu-
24 cational agency”, “middle grades”, “other staff”,
25 “professional development”, “regular high school di-

1 *ploma*”, “*Secretary*”, “*State*”, “*State educational*
2 *agency*”, and “*technology*” shall have the meaning
3 given the terms in section 8101 of the *Elementary*
4 *and Secondary Education Act of 1965* (20 U.S.C.
5 7801).

6 (4) *GOVERNOR*.—The term “*Governor*” means
7 the chief executive officer of a State.

8 (5) *PERKINS DEFINITIONS*.—The terms “*career*
9 *and technical education*” and “*work-based learning*”
10 have the meaning given the terms in section 3 of the
11 *Carl D. Perkins Career and Technical Education Act*
12 *of 2006* (20 U.S.C. 2302).

13 (6) *POSTSECONDARY STEM PATHWAY*.—The term
14 “*postsecondary STEM pathway*” means a sequence of
15 courses focused on *STEM* education, including ad-
16 vanced coursework approved by the eligible entity
17 taken at any point during high school that—

18 (A) when taken together, provide at least 12
19 credit hours or the equivalent coursework toward
20 an associate degree or baccalaureate degree, or,
21 in the case of postsecondary credit in career and
22 technical education earned through such sequence
23 of courses, credit toward a recognized postsec-
24 ondary credential for a high-skill, high-wage, or
25 in-demand industry sector or occupation; and

1 (B) if completed successfully, results in
2 credit that—

3 (i) satisfies requirements for the State's
4 regular high school diploma; and

5 (ii) is a part of the statewide articula-
6 tion agreement described in subsection
7 (d)(2)(B); and

8 (C) may include work-based learning in a
9 STEM field aligned with the academic
10 coursework offered in a postsecondary STEM
11 pathway.

12 (7) STEM EDUCATION.—The term “STEM edu-
13 cation” means courses, activities, high-quality in-
14 struction, and learning in the subjects of science, tech-
15 nology, engineering, or mathematics, including com-
16 puter science.

17 (8) SUBGROUP OF STUDENTS.—The term “sub-
18 group of students” means—

19 (A) students from a family with a low in-
20 come;

21 (B) students of color;

22 (C) children with disabilities, as defined in
23 section 602(3) of the Individuals with Disabil-
24 ities Education Act (20 U.S.C. 1401(3));

25 (D) English learners;

1 (E) migratory children, as described in sec-
2 tion 1309(3) of the Elementary and Secondary
3 Education Act of 1965 (20 U.S.C. 6399(3));

4 (F) homeless children and youths, as defined
5 in section 725 of the McKinney-Vento Homeless
6 Assistance Act (42 U.S.C. 11434a);

7 (G) students who are in foster care or are
8 aging out of the foster care system; and

9 (H) first-generation college students.

10 (9) WIOA DEFINITIONS.—The terms “in-demand
11 industry sector or occupation” and “recognized post-
12 secondary credential” have the meanings given the
13 terms in section 3 of the Workforce Innovation and
14 Opportunity Act (29 U.S.C. 3102).

15 (10) STUDENT FROM A FAMILIES WITH A LOW
16 INCOME.—The term “students from a family with a
17 low income” includes any student who is identified by
18 any of the measures described in section 1113(a)(5) of
19 the Elementary and Secondary Education Act (20
20 U.S.C. 6313(a)(5)).

21 (11) FIRST-GENERATION COLLEGE STUDENT.—
22 The term “first-generation college student” has the
23 meaning given the term in section 402A(h) of the
24 Higher Education Act of 1965 (20 U.S.C. 1070a–
25 11(h)).

1 (c) *AUTHORIZATION OF GRANTS.*—

2 (1) *IN GENERAL.*—*From the amounts appro-*
3 *propriated under subsection (i) and not reserved under*
4 *paragraph (2), the Secretary shall award grants, on*
5 *a competitive basis, to eligible entities to enable those*
6 *eligible entities to implement activities described*
7 *under subsection (e).*

8 (2) *RESERVATIONS.*—*From the total amount ap-*
9 *propriated under subsection (i) for a fiscal year, the*
10 *Secretary shall reserve—*

11 (A) *1 percent for the Bureau of Indian*
12 *Education to improve access to postsecondary*
13 *STEM pathways;*

14 (B) *2 percent to conduct the evaluation de-*
15 *scribed under subsection (g); and*

16 (C) *2 percent for technical assistance and*
17 *dissemination, which may include—*

18 (i) *providing, directly or through*
19 *grants, contracts, or cooperative agreements,*
20 *technical assistance on using evidence-based*
21 *practices to improve the outcomes of activi-*
22 *ties funded under this section; and*

23 (ii) *disseminating information on evi-*
24 *dence-based practices that are successful in*

1 *improving the quality of activities funded*
2 *under this section.*

3 (3) *DURATION.*—*A grant awarded under this*
4 *section shall be for a period of not more than 5 years.*

5 (4) *RENEWAL.*—*The Secretary may renew a*
6 *grant awarded under this section for 1 additional 2-*
7 *year period for programs that meet the goals specified*
8 *in subsection (d)(4)(B) of the initial grant.*

9 (5) *DIVERSITY OF PROJECTS.*—*In awarding*
10 *grants under this section, the Secretary shall ensure*
11 *that, to the extent practicable, grants are distributed*
12 *among eligible entities that will serve geographically*
13 *diverse areas, including urban, suburban, and rural*
14 *areas.*

15 (6) *SUFFICIENT SIZE AND SCOPE.*—*Each grant*
16 *awarded under this section shall be of sufficient size*
17 *and scope to allow the eligible entity to carry out the*
18 *purposes of this section.*

19 (7) *PRIORITIES.*—*In awarding grants under this*
20 *section, the Secretary shall give priority to applica-*
21 *tions that—*

22 (A) *provide postsecondary STEM pathways*
23 *to a high proportion of the State's students en-*
24 *rolled in high schools operated by local edu-*
25 *cational agencies;*

1 (B) *prioritize evidence-based strategies to*
2 *ensure subgroups of students have equitable ac-*
3 *cess to postsecondary STEM pathways; and*

4 (C) *are submitted by eligible entities that*
5 *include local educational agencies who are in the*
6 *highest quartile of local educational agencies, in*
7 *a ranking of all qualified local educational agen-*
8 *cies in the State, ranked in descending order by*
9 *the number or percentage of children in each*
10 *agency counted under section 1124(c) of the Ele-*
11 *mentary and Secondary Education Act of 1965*
12 *(20 U.S.C. 6333(c)).*

13 (d) *ELIGIBLE ENTITY APPLICATION.—In order to re-*
14 *ceive a grant under subsection (c)(1), the eligible entity*
15 *shall submit an application to the Secretary, at such time,*
16 *in such manner, and containing such information as the*
17 *Secretary may reasonably require. Such application shall*
18 *include, at a minimum—*

19 (1) *signatures from the Governor, chief State*
20 *school officer, and State higher education executive of-*
21 *ficer verifying the eligible entity shall meet the re-*
22 *quirements described in paragraph (2) within the*
23 *specified timeframe;*

1 (2) a description of how the eligible entity will,
2 not later than 2 years after the date of the initial re-
3 ceipt of funds under this section—

4 (A) ensure STEM postsecondary pathways
5 are aligned with entrance requirements for cred-
6 it-bearing coursework at the State’s public insti-
7 tutions of higher education; and

8 (B) develop a formal, universal statewide
9 articulation agreement among all public institu-
10 tions of higher education or systems in the
11 State—

12 (i) to guarantee that—

13 (I) all advanced coursework suc-
14 cessfully completed as part of a postsec-
15 ondary STEM pathway results in
16 credit that—

17 (aa) counts as credit for a
18 regular high school diploma;

19 (bb) fully transfers to, and is
20 credited by, all public institutions
21 of higher education in the State,
22 and that such credits will count
23 toward meeting related degree or
24 certificate requirements; and

1 (cc) is transferable to any
2 private nonprofit institution of
3 higher education or public institu-
4 tion of higher education located in
5 another State that chooses to par-
6 ticipate in the articulation agree-
7 ment; and

8 (II) if a student earns an asso-
9 ciate degree (including an associate de-
10 gree in applied science) as part of a
11 postsecondary STEM pathway, such
12 associate degree, awarded by a partici-
13 pating institution of higher education
14 in the State, shall be fully acceptable
15 in transfer and credited as the first 2
16 years of a related baccalaureate pro-
17 gram at a public institution of higher
18 education in such State; and

19 (ii) to facilitate the seamless transfer of
20 credit earned in the postsecondary STEM
21 pathway among such institutions of higher
22 education, including between 2-year and 4-
23 year public institutions of higher education
24 and private nonprofit institutions of higher
25 education (if such private nonprofit institu-

1 *tions of higher education choose to partici-*
2 *pate in the articulation agreement), by*
3 *using methods such as—*

4 *(I) common course numbering;*

5 *(II) a general education core cur-*
6 *riculum; and*

7 *(III) management systems regard-*
8 *ing course equivalency, transfer of*
9 *credit, and articulation;*

10 *(3) a description of how the eligible entity will*
11 *disseminate information to subgroups of students in*
12 *the middle grades and high school served by the eligi-*
13 *ble entity, including their families, about the oppor-*
14 *tunity to participate in a postsecondary STEM path-*
15 *way and the benefits of participation;*

16 *(4) a description of how the eligible entity will*
17 *implement postsecondary STEM pathways in all*
18 *local educational agencies participating in the eligible*
19 *entity, including—*

20 *(A) the timeline and plan to provide, by the*
21 *end of the grant period, a substantial number of*
22 *students in the State the opportunity to partici-*
23 *pate in a postsecondary STEM pathway; and*

24 *(B) annual goals for participation in ad-*
25 *vanced coursework and postsecondary STEM*

1 *pathways among subgroups of students such*
2 *that, if the goals are met—*

3 *(i) significant progress will be made*
4 *toward improving equity in access to ad-*
5 *vanced coursework and postsecondary*
6 *STEM pathways across the local edu-*
7 *cational agencies within the eligible entity*
8 *in the State; and*

9 *(ii) the demographics of students par-*
10 *ticipating in advanced coursework and*
11 *postsecondary STEM pathways will be*
12 *similar to the demographics of total student*
13 *enrollment in the State the eligible entity is*
14 *located in by the end of the grant period;*

15 *(5) a description of how the eligible entity has,*
16 *or will, ensure that postsecondary STEM pathways*
17 *are aligned with in-demand industries or occupations*
18 *and provide students with opportunities for work-*
19 *based learning;*

20 *(6) a description of how the eligible entity con-*
21 *sulted with stakeholders in development of its applica-*
22 *tion and how the eligible entity will continue to en-*
23 *gage, collaborate, and solicit feedback with stake-*
24 *holders to improve implementation of the application*

1 *requirements described in this subsection and uses of*
2 *funds described in subsection (e), including—*

3 *(A) the State board of education (if the*
4 *State has a State board of education);*

5 *(B) the State higher education governing or*
6 *coordinating entity (if the State has such an en-*
7 *tity);*

8 *(C) a State board or local board, as defined*
9 *in section 3 of the Workforce Innovation and Op-*
10 *portunity Act (29 U.S.C. 3102)*

11 *(D) the State agency responsible for the ad-*
12 *ministration of career and technical education*
13 *in the State or for the supervision of the admin-*
14 *istration of career and technical education in the*
15 *State (if the State has such an entity);*

16 *(E) institutions of higher education in the*
17 *State;*

18 *(F) local educational agencies, including*
19 *those located in rural areas and with the highest*
20 *enrollments of students from low income families,*
21 *as described in subsection (c)(7)(C);*

22 *(G) representatives of Indian Tribes located*
23 *in the State;*

24 *(H) charter school leaders (if the State has*
25 *charter schools);*

- 1 (I) *civil rights organizations in the State;*
2 (J) *business leaders or their representatives*
3 *in the State;*
4 (K) *teachers, principals, and other school*
5 *leaders; and*
6 (L) *parents and students;*
7 (7) *an assurance that the eligible entity will pro-*
8 *vide postsecondary STEM pathways at no cost to stu-*
9 *dents and families, including that students and their*
10 *parents shall not be required to pay the cost of tui-*
11 *tion, fees (including examination fees associated with*
12 *Advanced Placement, International Baccalaureate,*
13 *and similar examinations), books, and supplies nec-*
14 *essary to successfully complete postsecondary STEM*
15 *pathways;*
16 (8) *an assurance that not less than half of grant*
17 *funds received by the eligible entity will be used to*
18 *support subgroups of students in accessing and com-*
19 *pleting postsecondary STEM pathways; and*
20 (9) *an assurance that the State will comply with*
21 *the supplement, not supplant requirement described*
22 *under subsection (h).*
23 (e) *USES OF FUNDS.—*

1 (1) *REQUIRED USES.*—*An eligible entity receiving a grant under this section shall use grant funds to carry out the following:*

4 (A) *Activities to implement the alignment requirements pursuant to subsection (d)(2) for a period of time not to exceed the first 2 fiscal years for which the grant is provided.*

8 (B) *Supporting the development and implementation of postsecondary STEM pathways consistent with the timeline, plan, and goals specified in subsection (d)(4) in order to increase the number of students accessing and completing postsecondary STEM pathways in the State, including—*

15 (i) *expanding advanced coursework offered to students served by the eligible entity to increase the availability of postsecondary STEM pathways;*

19 (ii) *covering tuition, fees (including examination fees associated with Advanced Placement, International Baccalaureate, and similar examinations), books, and supplies for students participating in postsecondary STEM pathways, in accordance with subsection (d)(7); and*

1 (iii) covering transportation costs nec-
2 essary for full participation in postsec-
3 ondary STEM pathways for students from
4 a family with a low income.

5 (C) Implementing programs and activities
6 to improve student preparation for, and partici-
7 pation in postsecondary STEM pathways, with
8 a priority for students enrolled in local edu-
9 cational agencies described in subsection
10 (c)(7)(C) and subgroups of students, which may
11 include—

12 (i) using data from evidence-based
13 early warning indicator systems;

14 (ii) providing supplemental advising
15 or counseling activities that are voluntary
16 to students, including information on choos-
17 ing postsecondary options, applying for fi-
18 nancial aid, completing applications to in-
19 stitutions of higher education, and career
20 counseling and advising, beginning as early
21 as the middle grades; and

22 (iii) other evidence-based activities to
23 support the successful implementation of
24 postsecondary STEM pathways and stu-

1 *dents' transition from high school to post-*
2 *secondary education.*

3 *(D) Conducting outreach and commu-*
4 *nicating with subgroups of students, including*
5 *their families, to build awareness about the op-*
6 *portunity to participate in a postsecondary*
7 *STEM pathway and the benefits of participa-*
8 *tion.*

9 *(2) PERMITTED USES.—An eligible entity receiv-*
10 *ing a grant under this section may also use grant*
11 *funds to—*

12 *(A) provide training, professional develop-*
13 *ment, or recruitment for educators employed by*
14 *the local educational agencies within the eligible*
15 *entity and for faculty who teach courses that are*
16 *included in a postsecondary STEM pathway, in-*
17 *cluding increasing the number of educators*
18 *qualified to teach dual or concurrent enrollment*
19 *programs in STEM courses, to improve access*
20 *and completion of such pathways, particularly*
21 *for subgroups of students; and*

22 *(B) carry out capacity-building efforts to*
23 *improve the coordination between the elementary*
24 *and secondary education system and the higher*

1 *education system, including through stakeholder*
2 *engagement and monitoring.*

3 (3) *TRANSPORTATION CAP.*—*An eligible entity*
4 *shall not use more than 25 percent of grant funds to*
5 *cover transportation costs authorized under para-*
6 *graph (1)(B)(iii).*

7 (f) *REPORTING REQUIREMENTS.*—

8 (1) *ELIGIBLE ENTITY REPORTING.*—*Not later*
9 *than 1 year after the enactment of this section and*
10 *every year thereafter, the eligible entity shall provide*
11 *a report to the Secretary containing such information*
12 *as the Secretary may require, including, at a min-*
13 *imum—*

14 (A) *information on the progress of the eligi-*
15 *ble entity in establishing the policies and com-*
16 *pleting the required activities as specified in sub-*
17 *section (d)(2);*

18 (B) *the number and percentage of local edu-*
19 *cational agencies and institutions of higher edu-*
20 *cation in the State offering a postsecondary*
21 *STEM pathway, including changes year-over-*
22 *year, and the extent to which the eligible entity*
23 *was meeting its timeline, plan, and goals speci-*
24 *fied in subsection (d)(4);*

1 (C) the eligible entity's progress in meeting
2 the goals established by the eligible entity for the
3 participation of subgroups of students in postsec-
4 ondary STEM pathways as specified in sub-
5 section (d)(4);

6 (D) evidence demonstrating how the eligible
7 entity certified each such pathway meets all the
8 requirements of this section;

9 (E) the number and percentage of students
10 in the State, including disaggregated by each
11 subgroup of students, and by sex, who—

12 (i) participate in a postsecondary
13 STEM pathway; and

14 (ii) participate in a postsecondary
15 STEM pathway and—

16 (I) successfully complete a postsec-
17 ondary STEM pathway;

18 (II) enroll in an institution of
19 higher education and received credit,
20 in accordance with the alignment re-
21 quirements described in subsection
22 (d)(2);

23 (III) receive credit toward a rec-
24 ognized postsecondary credential for a

1 *high-skill, high-wage, or in-demand in-*
2 *dustry sector or occupation; and*

3 *(IV) earn a postsecondary creden-*
4 *tial; and*

5 *(F) any additional information as the Sec-*
6 *retary may reasonably require to ensure compli-*
7 *ance with the requirements of this section and to*
8 *effectively evaluate, monitor, and improve grant*
9 *implementation.*

10 *(2) SECRETARY'S REPORT.—Not later than 6*
11 *month after receiving the initial report described in*
12 *paragraph (1) and annually thereafter, the Secretary*
13 *shall submit a report to the Committee on Health,*
14 *Education, Labor, and Pensions of the Senate and the*
15 *Committee on Education and Labor of the House of*
16 *Representatives that includes a summary of reports*
17 *submitted by eligible entities and identifies best prac-*
18 *tices related to improving access to STEM education*
19 *and postsecondary education, particularly for sub-*
20 *groups of students, through the implementation of*
21 *postsecondary STEM pathways.*

22 *(g) EVALUATION.—The Secretary, acting through the*
23 *Director of the Institute of Education Sciences, shall con-*
24 *duct an independent evaluation after the initial award of*
25 *grants under this section, of the policies and services pro-*

1 *vided under this section, including at a minimum, the im-*
2 *pect of such policies and services on outcomes for all stu-*
3 *dents, particularly for subgroups of students, with regard*
4 *to each of the following:*

5 (1) *Enrollment in and completion of advanced*
6 *coursework during high school, including the number*
7 *of courses students take and the number of credits stu-*
8 *dents earn.*

9 (2) *Postsecondary enrollment, remediation, first-*
10 *year credit attainment, persistence, and completion*
11 *including the number of students who enrolled in a*
12 *STEM field, and the number of students who received*
13 *a credential in a STEM field.*

14 (3) *The rate at which credits earned through*
15 *postsecondary STEM pathways are recognized for*
16 *credit by public institutions of higher education insti-*
17 *tutions.*

18 (4) *Postsecondary degree attainment, including*
19 *completion of an associate degree, baccalaureate de-*
20 *gree, or recognized postsecondary credential, and the*
21 *time it takes students to earn a degree.*

22 (5) *Changes in access and rigor of STEM edu-*
23 *cation offered to students served by local educational*
24 *agencies in eligible entities.*

1 *school*”, “*Secretary*”, “*State*”, “*State educational*
2 *agency*”, and “*technology*” have the meanings given
3 *the terms in section 8101 of the Elementary and Sec-*
4 *ondary Education Act of 1965 (20 U.S.C. 7801).*

5 (2) *COMPUTER SCIENCE EDUCATION.*—*The term*
6 *“computer science education” means instruction or*
7 *learning regarding the study of computers and algo-*
8 *rithmic processes and the study of computing prin-*
9 *ciples and theories, as defined by a State, and may*
10 *include instruction or learning on—*

11 (A) *computer programming or coding as a*
12 *tool to—*

13 (i) *create software, such as applica-*
14 *tions, games, and websites; and*

15 (ii) *process, manage, analyze, or ma-*
16 *nipulate data;*

17 (B) *development and management of com-*
18 *puter hardware related to sharing, processing,*
19 *representing, securing, and using digital infor-*
20 *mation; and*

21 (C) *computational thinking skills and inter-*
22 *disciplinary problem-solving to equip students*
23 *with the skills and abilities necessary to apply*
24 *computational thinking in the digital world.*

1 (3) *COMPUTATIONAL THINKING SKILLS.*—The
2 term “computational thinking skills” means critical
3 thinking skills that include—

4 (A) knowledge of how problems and solu-
5 tions can be expressed in such a way that allow
6 them to be modeled or solved using a computer
7 or machine;

8 (B) the use of strategies related to problem
9 decomposition, pattern matching, abstractions,
10 modularity, and algorithm design; and

11 (C) that involve creative problem solving
12 skills and are applicable across a wide-range of
13 disciplines and careers.

14 (4) *STATE’S COMPUTER SCIENCE EDUCATION*
15 *STANDARDS.*—The term “State’s computer science
16 education standards” means academic standards es-
17 tablished by a State regarding computer science edu-
18 cation and computational thinking skills.

19 (5) *STUDENTS FACING SYSTEMIC BARRIERS.*—
20 The term “students facing systemic barriers” means
21 students who are underrepresented in the computer
22 science field, including through enrollment in com-
23 puter science education courses in elementary and
24 secondary education, enrollment and completion of
25 computer science associates’, bachelors’, and graduate

1 *degrees, and participation in computer science ca-*
2 *reers, which includes female students, students from*
3 *families with low incomes, Black and Latino stu-*
4 *dents, Native American and Alaskan Native students,*
5 *Native Hawaiian and Pacific Islander students, stu-*
6 *dents with disabilities, English learners, students in*
7 *rural areas, migrant students, students experiencing*
8 *homelessness, and children and youth in foster care.*

9 (6) *TECHNOLOGY INFRASTRUCTURE.*—*The term*
10 *“technology infrastructure” means computer devices*
11 *and internet connectivity.*

12 (c) *AUTHORIZATION OF GRANTS.*—

13 (1) *IN GENERAL.*—*From the amounts appro-*
14 *priated under subsection (k), after making the res-*
15 *ervations described in paragraph (2), the Secretary*
16 *shall award computer science education program*
17 *grants, on a competitive basis, to State educational*
18 *agencies (which may include consortia of State edu-*
19 *cational agencies) that have submitted applications*
20 *described in subsection (d) to increase access to com-*
21 *puter science education and increase the development*
22 *of computational thinking skills in elementary and*
23 *secondary education, particularly for students facing*
24 *systemic barriers, in order to increase American com-*
25 *petitiveness, in accordance with this section.*

1 (2) *RESERVATIONS.*—*From the total amount ap-*
2 *propriated under subsection (k) for a fiscal year, the*
3 *Secretary shall reserve—*

4 (A) *not less than 1 percent for the Bureau*
5 *of Indian Education for the purpose of this sec-*
6 *tion;*

7 (B) *not less than 2 percent for technical as-*
8 *sistance and administration; and*

9 (C) *not less than 2 percent for evaluation,*
10 *in accordance with subsection (h).*

11 (3) *STATE GRANTS.*—

12 (A) *IN GENERAL.*—*A State educational*
13 *agency receiving a grant under paragraph (1)*
14 *shall use not less than 90 percent of the grant*
15 *funds to award competitive subgrants to local*
16 *educational agencies and educational service*
17 *agencies.*

18 (B) *STATE RESERVATIONS.*—*A State edu-*
19 *cational agency receiving a grant under para-*
20 *graph (1) shall reserve not more than 10 percent*
21 *of the total grant amount received by the State*
22 *for State level activities described in subsection*
23 *(f)(1), of which not more than 2 percent of the*
24 *total grant amount received by the State shall be*

1 *used to provide technical assistance or for ad-*
2 *ministrative purposes.*

3 (C) *SUFFICIENT SIZE AND SCOPE.*—*Grants*
4 *awarded by the Secretary under this section*
5 *shall be of sufficient size and scope to allow State*
6 *educational agencies to carry out the purpose of*
7 *this section.*

8 (D) *DURATION; RENEWAL.*—*A grant award-*
9 *ed under this section shall be for a period of not*
10 *more than 5 years. The Secretary may renew a*
11 *grant awarded under this section for 1 addi-*
12 *tional 2-year period for programs that meet the*
13 *outcomes described in the data-driven plan re-*
14 *quired under subsection (d)(1).*

15 (4) *COORDINATION.*—*The Secretary shall coordi-*
16 *nate with the Director of the National Science Foun-*
17 *dation to identify and disseminate best practices to*
18 *expand access to computer science education and the*
19 *development of computational thinking skills for all*
20 *students, particularly students facing systemic bar-*
21 *riers, and to support the effective implementation of*
22 *the grant program under this section.*

23 (d) *STATE APPLICATION.*—*In order to receive a grant*
24 *under this section, a State educational agency shall submit*
25 *an application to the Secretary at such time, in such man-*

1 ner, and including such information as the Secretary may
2 reasonably require, including the following:

3 (1) A description of the State educational agen-
4 cy's data-driven plan to provide equitable access to
5 computer science education and improve the develop-
6 ment of computational thinking skills for all students,
7 particularly students facing systemic barriers, includ-
8 ing how the State educational agency will—

9 (A) measure equity gaps across the State,
10 across and within local educational agencies,
11 and across and within schools served by such
12 agencies, in access and enrollment in computer
13 science coursework for students facing systemic
14 barriers;

15 (B) use data collected under subparagraph
16 (A) to target State-level investments or supports
17 to close identified equity gaps; and

18 (C) ensure that local educational agencies
19 and educational service agencies receiving a
20 subgrant under this section develop and imple-
21 ment a data-driven approach to meet such agen-
22 cy's goals described in subsection (f)(2)(A), in-
23 cluding through the measurement and collection
24 of local data aligned with the State educational
25 agency's data-driven plan.

1 (2) *A description of the factors the State edu-*
2 *cational agency will take into account when review-*
3 *ing applications submitted by agencies under sub-*
4 *section (e) and making subgrants under this section,*
5 *including how such State educational agency shall—*

6 (A) *take into consideration the need among*
7 *agencies, including the number of students served*
8 *by such agencies who are from families with low*
9 *incomes, in accordance with paragraph*
10 *(3)(A)(i); and*

11 (B) *consider the agency’s capacity and com-*
12 *mitment, including the agencies’ previous work*
13 *to address achievement gaps, to—*

14 (i) *close equity gaps in access to and*
15 *enrollment in computer science education*
16 *coursework, particularly for students facing*
17 *systemic barriers; and*

18 (ii) *provide access to high-quality in-*
19 *struction to improve the development of*
20 *computational thinking skills in elementary*
21 *and secondary education, particularly for*
22 *students in elementary school and in the*
23 *middle grades.*

24 (3) *An assurance that the State educational*
25 *agency—*

1 (A) shall give priority in subgrant awards
2 to local educational agencies that—

3 (i) are in the highest quartile of local
4 educational agencies, in a ranking of all
5 local educational agencies in the State,
6 ranked in descending order by the number
7 or percentage of children in each agency
8 counted under section 1124(c) of the Ele-
9 mentary and Secondary Education Act of
10 1965 (20 U.S.C. 6333(c)); or

11 (ii) will partner or collaborate with a
12 Historically Black College or University
13 (within the meaning of the term “part B
14 institution” under section 322 of the Higher
15 Education Act of 1965 (20 U.S.C. 1061)) or
16 other institution described in section 371(a)
17 of the Higher Education Act of 1965 (20
18 U.S.C. 1067q(a)), that is located within the
19 State, to carry out activities under the
20 subgrant, in accordance with subsection
21 (f)(2);

22 (B) will distribute subgrant awards among
23 geographically diverse areas, including urban,
24 suburban, and rural areas; and

1 (C) in operating the local competitive
2 subgrant process described in subsection
3 (c)(3)(A), shall conduct outreach to local edu-
4 cational agencies described in subparagraph
5 (A)(i) to make the agencies aware of the
6 subgrant availability under this section, and
7 provide technical assistance and support to such
8 agencies in submitting an application under
9 subsection (e).

10 (4) A description of the State educational agen-
11 cy's strategy to increase the number of educators pre-
12 pared to teach computer science education, including
13 by—

14 (A) recruiting educators or individuals with
15 backgrounds in computer science to teach com-
16 puter science, diversifying the computer science
17 educator pipeline, providing evidence-based pro-
18 fessional development for current educators, or
19 providing evidence-based training for current
20 educators seeking to transition from other con-
21 tent areas to computer science; and

22 (B) working with public institutions of
23 higher education in the State to examine the
24 State's policies regarding educator preparation
25 and licensure to support increased access and en-

1 *rollment for candidates enrolled in educator*
2 *preparation programs and current educators in*
3 *computer science education.*

4 (5) *A description of the policies and practices of*
5 *the State educational agency intended to support in-*
6 *creased access and enrollment in computer science*
7 *and support the development of computational think-*
8 *ing skills for elementary school and secondary school*
9 *students, including—*

10 (A) *the State educational agency's efforts to*
11 *encourage, incentivize, or require school districts*
12 *to—*

13 (i) *offer computer science education in*
14 *secondary schools, including Advanced*
15 *Placement or International Baccalaureate*
16 *computer science courses, computer science*
17 *courses in dual or concurrent enrollment*
18 *programs, in-demand industry credentials,*
19 *or high-quality distance education, particu-*
20 *larly for students facing systemic barriers*
21 *across the State; and*

22 (ii) *support the development of oppor-*
23 *tunities for youth to access extracurricular*
24 *opportunities, career exploration and expo-*
25 *sure activities, career information and ad-*

1 *vising, and high-quality work-based learn-*
2 *ing opportunities (such as internships) to*
3 *increase exposure to computer science edu-*
4 *cation and career pathways, and support*
5 *the development of computational thinking*
6 *skills, particularly for students facing sys-*
7 *temic barriers;*

8 *(B) how the State’s elementary school and*
9 *secondary school curriculum supports rigorous*
10 *instruction in computer science education and*
11 *the development of computational thinking skills,*
12 *particularly for students enrolled in elementary*
13 *school or in the middle grades; and*

14 *(C) how the State’s data-driven plan de-*
15 *scribed in paragraph (1) and grant funds pro-*
16 *vided under subsection (c) will be used to inform*
17 *and change such policies and practices to in-*
18 *crease access to instruction in computer science*
19 *education and the development of computational*
20 *thinking skills for all students, particularly stu-*
21 *dents facing systemic barriers across the State.*

22 *(e) SUBGRANT APPLICATIONS.—*

23 *(1) IN GENERAL.—In order to receive a subgrant*
24 *under this section, a local educational agency (which*
25 *may include a consortium of local educational agen-*

1 cies) or an educational service agency shall submit an
2 application to the State educational agency at such
3 time, in such manner, and including such informa-
4 tion as the State educational agency may reasonably
5 require. At a minimum, such application shall in-
6 clude the following:

7 (A) A description of how the local edu-
8 cational agency or educational service agency
9 will—

10 (i) develop and implement a plan to
11 address equity gaps in enrollment and ac-
12 cess to computer science education, includ-
13 ing the development of computational think-
14 ing skills, for students facing systemic bar-
15 riers and align such plan with the State
16 educational agency's data-driven plan de-
17 scribed in subsection (d)(1); and

18 (ii) diversify and support its computer
19 science educators, including through recruit-
20 ment and retention activities, analyzing
21 disparities among its educators by race, eth-
22 nicity, sex, socioeconomic status, age, dis-
23 ability status, and language ability, and
24 addressing such disparities, in alignment

1 with the State’s strategy described in sub-
2 section (d)(4).

3 (B) A description of the existing computer
4 science education coursework offered in sec-
5 ondary schools operated by the local educational
6 agency or educational service agency, including
7 the number of students who enroll and complete
8 such courses and the demographics of such stu-
9 dents.

10 (C) A description of how the local edu-
11 cational agency or educational service agency
12 will use subgrant funds to implement evidence-
13 based practices to improve the quality of instruc-
14 tion in computer science and the development of
15 computational thinking skills, including—

16 (i) providing evidence-based profes-
17 sional development for current educators in
18 computer science education, or evidence-
19 based training for current educators seeking
20 to transition from other subjects to com-
21 puter science; and

22 (ii) improving instruction in the devel-
23 opment of computational thinking skills for
24 students in elementary schools and sec-

1 *ondary schools, particularly for students in*
2 *elementary schools and middle grades.*

3 *(D) A description regarding whether and*
4 *how the local educational agency or educational*
5 *service agency may partner or collaborate, to*
6 *carry out activities with the subgrant, in accord-*
7 *ance with subsection (f)(2), with 1 of the fol-*
8 *lowing entities, to the extent practicable if such*
9 *entities are located within the State:*

10 *(i) A Historically Black College or*
11 *University (within the meaning of the term*
12 *“part B institution” under section 322 of*
13 *the Higher Education Act of 1965 (20*
14 *U.S.C. 1061)) or other institution described*
15 *in section 371(a) of the Higher Education*
16 *Act of 1965 (20 U.S.C. 1067q(a))*

17 *(ii) A computer science industry, insti-*
18 *tution of higher education, nonprofit orga-*
19 *nization, community learning center (as de-*
20 *finied in section 4201(b) of the Elementary*
21 *and Secondary Education Act of 1965 (20*
22 *U.S.C. 7171(b))), State workforce agency, or*
23 *a State workforce development board estab-*
24 *lished under section 101 of the Workforce*

1 *Innovation and Opportunity Act (29 U.S.C.*
2 *3111).*

3 *(E) An assurance that the local educational*
4 *agency or educational service agency will meet*
5 *the requirements under paragraph (2).*

6 (2) *TARGETING OF FUNDS TO HIGH-NEEDS*
7 *SCHOOLS.—*

8 (A) *IN GENERAL.—A local educational*
9 *agency or educational service agency that re-*
10 *ceives a subgrant under this section shall use not*
11 *less than 50 percent of such funds to support ele-*
12 *mentary schools and secondary schools that meet*
13 *one of the following criteria:*

14 (i) *Using any of the measures of pov-*
15 *erty in section 1113(a)(5) of the Elementary*
16 *and Secondary Education Act of 1965 (20*
17 *U.S.C. 6313(a)(5)), elementary schools and*
18 *secondary schools that have a higher per-*
19 *centage of students from families with low*
20 *incomes than the average of the percentage*
21 *of students from families with low incomes*
22 *across all elementary schools and secondary*
23 *schools served by the local educational agen-*
24 *cy or educational service agency.*

1 (ii) Using any of the measures of pov-
2 erty in section 1113(a)(5) of the Elementary
3 and Secondary Education Act of 1965 (20
4 U.S.C. 6313(a)(5)), elementary schools and
5 secondary schools by grade-span grouping
6 that have a higher percentage of students
7 from families with low incomes than the av-
8 erage of the percentage of students from
9 families with low incomes across all elemen-
10 tary schools and secondary schools serving
11 students in such grade-span grouping in the
12 local educational agency or educational
13 service agency.

14 (B) SECONDARY SCHOOLS.—In identifying
15 schools under subparagraph (A), percentages of
16 students from families with low incomes in sec-
17 ondary schools may be calculated using com-
18 parable data from the schools that feed into such
19 secondary school.

20 (f) USES OF FUNDS.—

21 (1) STATE USE OF FUNDS.—A State educational
22 agency shall use amounts reserved under subsection
23 (c)(3)(B) for 1 or more of the following:

24 (A) Implementing the data-driven plan de-
25 scribed in subsection (d)(1), including through

1 *the provision of technical assistance, data collec-*
2 *tion and analysis, and capacity building sup-*
3 *ports to all local educational agencies within the*
4 *State, to expand access to rigorous computer*
5 *science education and increase the development*
6 *of computational thinking skills for elementary*
7 *school and secondary school students facing sys-*
8 *temic barriers.*

9 *(B) Implementing the State educational*
10 *agency's strategy to support computer science*
11 *educators described in subsection (d)(4) by diver-*
12 *sifying and increasing the number of educators*
13 *adequately prepared to deliver rigorous instruc-*
14 *tion in computer science, through recruitment,*
15 *evidence-based professional development for edu-*
16 *cators, or evidence-based training for current*
17 *educators seeking to transition from other sub-*
18 *jects to computer science.*

19 *(C) Identifying and supporting the imple-*
20 *mentation and scaling of evidence-based instruc-*
21 *tional strategies in computer science education*
22 *and instruction on how to develop computational*
23 *thinking skills in students that are supported by*
24 *strong or moderate evidence.*

1 (D) *Supporting the development of opportu-*
2 *nities for youth to access extracurricular oppor-*
3 *tunities, career exploration and exposure activi-*
4 *ties, career information and advising, and high-*
5 *quality work-based learning opportunities (such*
6 *as internships), to develop computational think-*
7 *ing skills and increase exposure to computer*
8 *science education and career pathways, particu-*
9 *larly for students facing systemic barriers.*

10 (2) *LOCAL EDUCATIONAL AGENCY'S USE OF*
11 *FUNDS.—A local educational agency or educational*
12 *service agency that receives a subgrant under this sec-*
13 *tion shall comply with the following:*

14 (A) *Develop and implement a plan (in*
15 *alignment with the State educational agency's*
16 *data-driven plan described in subsection (d)(1))*
17 *that—*

18 (i) *regularly measures, analyzes, and*
19 *addresses disparities in access to and enroll-*
20 *ment in computer science education and in*
21 *the development of computational thinking*
22 *skills for students facing systemic barriers;*

23 (ii) *is in alignment with the State's*
24 *computer science education standards (if the*
25 *local educational agency or educational*

1 *service agency is located in a State who has*
2 *adopted such standards);*

3 *(iii) establishes goals and specifies ac-*
4 *tivities supported by subgrant funds to meet*
5 *those goals by—*

6 *(I) increasing access to computer*
7 *science education coursework in ele-*
8 *mentary schools and secondary schools*
9 *that do not offer such courses;*

10 *(II) addressing challenges faced by*
11 *students facing systemic barriers in en-*
12 *rolling and succeeding in computer*
13 *science education coursework in ele-*
14 *mentary schools and secondary schools*
15 *that do offer such courses; and*

16 *(III) providing high-quality in-*
17 *struction to support the development of*
18 *computational thinking skills for stu-*
19 *dents in elementary schools and sec-*
20 *ondary schools, particularly for stu-*
21 *dents in elementary schools and middle*
22 *grades; and*

23 *(iv) prioritizes using subgrant funds to*
24 *support schools with significant enrollments*

1 of students from families with low incomes
2 as described in subsection (e)(2).

3 (B) Carry out 1 or more of the following:

4 (i) Expand access to rigorous computer
5 science education and improve the develop-
6 ment of computational thinking skills for
7 all students, especially students facing sys-
8 temic barriers, including through—

9 (I) increasing access to computer
10 science education in elementary schools
11 and secondary schools, including
12 through expanded course offerings such
13 as Advanced Placement or Inter-
14 national Baccalaureate courses, dual
15 or concurrent enrollment programs, in-
16 demand industry recognized creden-
17 tials, or high-quality distance edu-
18 cation; and

19 (II) improving the development of
20 computational thinking skills for stu-
21 dents in elementary schools and sec-
22 ondary schools, particularly elemen-
23 tary schools and in the middle grades,
24 including through investments in high-
25 quality instructional materials, tech-

1 *nology infrastructure, high-quality cur-*
2 *riculum, and evidence-based profes-*
3 *sional development, with the goal of*
4 *more effectively preparing such stu-*
5 *dents for success in computer science*
6 *education, such as enrollment in com-*
7 *puter science education coursework in*
8 *secondary school, receiving a postsec-*
9 *ondary degree or credential in com-*
10 *puter science, and attaining a career*
11 *in computer science or a related field.*

12 *(ii) Diversify, support, and increase*
13 *the number of educators adequately pre-*
14 *pared to deliver rigorous instruction in*
15 *computer science education, by—*

16 *(I) providing evidence-based pro-*
17 *fessional development for current com-*
18 *puter science education educators, or*
19 *evidence-based training for current*
20 *educators seeking to transition from*
21 *other subjects to computer science;*

22 *(II) recruiting and retaining edu-*
23 *cators described in subclause (I); and*

24 *(III) analyzing disparities*
25 *amongst computer science educators by*

1 *race, ethnicity, sex, socioeconomic sta-*
2 *tus, age, disability status, and lan-*
3 *guage ability, and addressing such dis-*
4 *parities.*

5 *(iii) Implement evidence-based prac-*
6 *tices to improve the quality of instruction*
7 *regarding computer science and the develop-*
8 *ment of computational thinking skills.*

9 *(iv) Support student mastery of the de-*
10 *velopment of problem-solving skills and*
11 *other key prerequisites for computer science*
12 *education coursework, including algebra*
13 *and statistics, to promote success in com-*
14 *puter science education coursework.*

15 *(v) Establish robust regional collabora-*
16 *tions with relevant local entities to improve*
17 *work-based learning opportunities and ca-*
18 *reer exploration and exposure in computer*
19 *science, for elementary school and secondary*
20 *school students, that may include collabo-*
21 *rating with computer science industry, in-*
22 *stitutions of higher education, nonprofit or-*
23 *ganizations, community learning centers*
24 *(as defined in section 4201(b) of the Ele-*
25 *mentary and Secondary Education Act of*

1 1965 (20 U.S.C. 7171(b)), a State workforce
2 agency, or a State workforce development
3 board established under section 101 of the
4 Workforce Innovation and Opportunity Act
5 (29 U.S.C. 3111).

6 (vi) Support the development of oppor-
7 tunities for youth to access extracurricular
8 opportunities, career exploration and expo-
9 sure activities, career information and ad-
10 vising, and high-quality work-based learn-
11 ing opportunities (such as internships), to
12 develop computational thinking skills and
13 increase exposure to computer science edu-
14 cation and career pathways.

15 (3) *RESTRICTION.*—A local educational agency
16 or educational service agency that receive a subgrant
17 under this section shall not use more than 15 percent
18 of subgrant funds for purchasing technology infra-
19 structure as described in paragraph (2)(B)(i)(II).

20 (g) *REPORTING REQUIREMENTS.*—

21 (1) *LOCAL REPORTING.*—Each local educational
22 agency and educational service agency that receives a
23 subgrant under this section shall submit a report to
24 the State educational agency on an annual basis that

1 contains any information required by the State edu-
2 cational agency and, at a minimum, the following:

3 (A) The number of students enrolled in com-
4 puter science education coursework in the schools
5 served by such local educational agency or edu-
6 cational service agency, and an update on the
7 progress in meeting the goals established under
8 the agency's plan to address equity gaps in en-
9 rollment and access to computer science edu-
10 cation for students facing systemic barriers, as
11 required under subsection (f)(2).

12 (B) A description of actions and changes in
13 policies and practice by the local educational
14 agency or educational service agency to improve
15 access and increase enrollment and success in
16 computer science education and increase the de-
17 velopment of computational thinking skills for el-
18 ementary school and secondary school students,
19 particularly for students in elementary schools
20 and middle grades.

21 (C) Data on the number and diversity of
22 educators providing high-quality instruction in
23 computer science education.

24 (2) STATE REPORTING.—Not later than 1 year
25 after the date of enactment of this section and annu-

1 *ally thereafter, a State educational agency that re-*
2 *ceives a grant under this section shall provide a re-*
3 *port to the Secretary containing the information the*
4 *Secretary requires, including, at a minimum—*

5 *(A) a summary of the reports received by*
6 *the State educational agency under paragraph*
7 *(1);*

8 *(B) a description of changes in State policy*
9 *to improve access and increase enrollment in*
10 *computer science education and the development*
11 *of computational thinking skills in the State’s*
12 *curriculum for elementary school and secondary*
13 *school students;*

14 *(C) an update of the State educational*
15 *agency’s implementation of its data-driven plan*
16 *described in subsection (d)(1) to improve access*
17 *and increase enrollment in computer science edu-*
18 *cation and increase the development of computa-*
19 *tional thinking skills for students facing systemic*
20 *barriers; and*

21 *(D) an update of the State educational*
22 *agency’s implementation of its strategy to sup-*
23 *port computer science educators described in sub-*
24 *section (d)(4), including data on diversifying*
25 *and increasing the number of educators ade-*

1 *quately prepared to deliver rigorous instruction*
2 *in computer science education*

3 (h) *EVALUATION.*—

4 (1) *IN GENERAL.*—*The Secretary, acting through*
5 *the Director of the Institute of Education Sciences,*
6 *shall carry out an independent evaluation to measure*
7 *the effectiveness of the program funded under this sec-*
8 *tion and disseminate best practices to expand access*
9 *to computer science education and the development of*
10 *computational thinking skills for all students, par-*
11 *ticularly students facing systemic barriers.*

12 (2) *CONTENTS.*—*The evaluation under para-*
13 *graph (1) shall measure—*

14 (A) *the effectiveness of the program in ex-*
15 *anding access to computer science education*
16 *and the development of computational thinking*
17 *skills for all students, particularly students fac-*
18 *ing systemic barriers;*

19 (B) *the extent to which the program im-*
20 *proved the development of computational think-*
21 *ing skills for elementary schools and secondary*
22 *school students, particularly in elementary*
23 *schools and middle grades; and*

24 (C) *the effectiveness of the program in di-*
25 *versifying, supporting, and increasing the num-*

1 *ber of educators adequately prepared to deliver*
2 *rigorous instruction in computer science edu-*
3 *cation and how to develop computational think-*
4 *ing skills in students.*

5 *(i) RULE OF CONSTRUCTION.—The Secretary shall*
6 *comply with requirements of section 8526A of the Elemen-*
7 *tary and Secondary Education Act of 1965 (20 U.S.C.*
8 *7906a) in carrying out activities under this section.*

9 *(j) SUPPLEMENT NOT SUPPLANT.—Federal funds pro-*
10 *vided under this section shall be used to supplement, and*
11 *not supplant, other Federal, State, or local funds available*
12 *to carry out the activities described in this section.*

13 *(k) AUTHORIZATION OF APPROPRIATIONS.—There are*
14 *authorized to be appropriated to carry out this section such*
15 *sums as may be necessary for each of fiscal years 2022*
16 *through 2026.*

17 ***Subtitle C—Higher Education***

18 ***SEC. 6121. REAUTHORIZATION OF INTERNATIONAL EDU-*** 19 ***CATION PROGRAMS UNDER TITLE VI OF THE*** 20 ***HIGHER EDUCATION ACT OF 1965.***

21 *(a) GRADUATE AND UNDERGRADUATE LANGUAGE AND*
22 *AREA CENTERS AND PROGRAMS.—Section 602(b)(2)(B)(i)*
23 *of the Higher Education Act of 1965 (20 U.S.C.*
24 *1122(b)(2)(B)(i)) is amended—*

25 *(1) in subclause (III), by striking “or”;*

1 (2) *in subclause (IV), by striking the period at*
2 *the end and inserting “; or”; and*

3 (3) *by adding at the end the following:*

4 “(V) *the beginning, intermediate, or*
5 *advanced study of a foreign language re-*
6 *lated to the area of specialization.”.*

7 (b) *INTERNATIONAL RESEARCH AND INNOVATION.—*
8 *Section 605 of the Higher Education Act of 1965 (20 U.S.C.*
9 *1125) is amended to read as follows:*

10 **“SEC. 605. INTERNATIONAL RESEARCH AND INNOVATION.**

11 “(a) *PURPOSE.—It is the purpose of this section to*
12 *support essential international and foreign language edu-*
13 *cation research and innovation projects with the goal of as-*
14 *sessing and strengthening international education capacity,*
15 *coordination, delivery, and outcomes to meet national*
16 *needs.*

17 “(b) *AUTHORITY.—*

18 “(1) *IN GENERAL.—From the amount provided*
19 *to carry out this section, the Secretary shall carry out*
20 *the following activities:*

21 “(A) *Conduct research and studies that con-*
22 *tribute to the purpose described in subsection (a)*
23 *and include research to provide a systematic un-*
24 *derstanding of the United States’ international*
25 *and foreign language education capacity, struc-*

1 *tures, and effectiveness in meeting growing de-*
2 *mands by education, government, and the pri-*
3 *vate sector (including business and other profes-*
4 *sions).*

5 “(B) *Create innovative paradigms or en-*
6 *hance or scale up proven strategies and practices*
7 *that address systemic challenges to developing*
8 *and delivering international and foreign lan-*
9 *guage education resources and expertise across*
10 *educational disciplines and institutions, and for*
11 *employers and other stakeholders.*

12 “(C) *Develop and manage a national stand-*
13 *ardized database that includes the strengths,*
14 *gaps, and trends in the international and for-*
15 *foreign language education capacity of the United*
16 *States, and document the outcomes of programs*
17 *funded under this title for every grant cycle.*

18 “(2) *GRANTS OR CONTRACTS.—The Secretary*
19 *shall carry out activities to achieve the outcomes de-*
20 *scribed in paragraph (1)—*

21 “(A) *directly; or*

22 “(B) *through grants awarded under sub-*
23 *section (d) or (e).*

24 “(c) *ELIGIBLE ENTITIES DEFINED.—In this section,*
25 *the term ‘eligible entity’ means—*

1 “(1) an institution of higher education;

2 “(2) a public or private nonprofit library;

3 “(3) a nonprofit educational organization;

4 “(4) an entity that—

5 “(A) received a grant under this title for a
6 preceding fiscal year; or

7 “(B) as of the date of application for a
8 grant under this section is receiving a grant
9 under this title; or

10 “(5) a partnership of two or more entities de-
11 scribed in paragraphs (1) through (4).

12 “(d) RESEARCH GRANTS.—

13 “(1) PROGRAM AUTHORIZED.—For any fiscal
14 year for which the Secretary carries out activities to
15 achieve the outcomes described in subsection (b)(1)
16 through research grants under this subsection, the
17 Secretary shall award such grants, on a competitive
18 basis, to eligible entities.

19 “(2) REQUIRED ACTIVITIES.—An eligible entity
20 that receives a grant under this subsection shall use
21 the grant funds to pay for the Federal share of the
22 costs of the systematic development, collection, anal-
23 ysis, publication, and dissemination of data, and
24 other information resources, in a manner that—

1 “(A) is easily understandable, made pub-
2 licly available, and contributes to achieving the
3 purpose of subsection (a); and

4 “(B) achieves at least 1 of the outcomes de-
5 scribed in subsection (b)(1).

6 “(3) *DISCRETIONARY ACTIVITIES.*—An eligible
7 entity that receives a grant under this subsection may
8 use the grant to carry out any of the following activi-
9 ties:

10 “(A) Assess and document international
11 and foreign language education capacity and
12 supply through studies or surveys that—

13 “(i) determine the number of foreign
14 language courses, programs, and enroll-
15 ments at all levels of education and in all
16 languages, including a determination of
17 gaps in those languages deemed critical to
18 the national interest;

19 “(ii) measure the number and types of
20 degrees or certificates awarded in area stud-
21 ies, global studies, foreign language studies,
22 and international business and professional
23 studies, including identification of gaps in
24 those studies deemed critical to the national
25 interest;

1 “(iii) measure the number of foreign
2 language or area or international studies
3 faculty, including international business
4 faculty, and elementary school and sec-
5 ondary school foreign language teachers by
6 language, degree, and world area; or

7 “(iv) measure the number of under-
8 graduate and graduate students engaging in
9 long- or short-term education or internship
10 abroad programs as part of their cur-
11 riculum, including countries of destination.

12 “(B) Assess the demands for, and outcomes
13 of, international and foreign language education
14 and their alignment, through studies, surveys,
15 and conferences to—

16 “(i) determine demands for increased
17 or improved instruction in foreign lan-
18 guage, area or global studies, or other inter-
19 national fields, and the demand for employ-
20 ees with such skills and knowledge in the
21 education, government, and private sectors
22 (including business and other professions);

23 “(ii) assess the employment or utiliza-
24 tion of graduates of programs supported
25 under this title by educational, govern-

1 *mental, and private sector organizations*
2 *(including business and other professions);*
3 *or*

4 *“(iii) assess standardized outcomes and*
5 *effectiveness and benchmarking of programs*
6 *supported under this title.*

7 *“(C) Develop and publish specialized mate-*
8 *rials for use in foreign language, area, global, or*
9 *other international studies, including in inter-*
10 *national business or other professional education*
11 *or technical training, as appropriate.*

12 *“(D) Conduct studies or surveys that iden-*
13 *tify and document systemic challenges and*
14 *changes needed in higher education and elemen-*
15 *tary school and secondary school systems to make*
16 *international and foreign language education*
17 *available to all students as part of the basic cur-*
18 *riculum, including challenges in current evalua-*
19 *tion standards, entrance and graduation require-*
20 *ments, program accreditation, student degree re-*
21 *quirements, or teacher and faculty legal work-*
22 *place barriers to education and research abroad.*

23 *“(E) With respect to underrepresented insti-*
24 *tutions of higher education (including minority-*
25 *serving institutions or community colleges),*

1 *carry out studies or surveys that identify and*
2 *document—*

3 “(i) *systemic challenges and changes*
4 *and incentives and partnerships needed to*
5 *comprehensively and sustainably inter-*
6 *nationalize educational programming; or*

7 “(ii) *short- and long-term outcomes of*
8 *successful internationalization strategies*
9 *and funding models.*

10 “(F) *Evaluate the extent to which programs*
11 *assisted under this title reflect diverse perspec-*
12 *tives and a wide range of views and generate de-*
13 *bate on world regions and international affairs.*

14 “(e) *INNOVATION GRANTS.—*

15 “(1) *PROGRAM AUTHORIZED.—For any fiscal*
16 *year for which the Secretary carries out activities to*
17 *achieve the outcomes described in subsection (b)(1)*
18 *through innovation grants under this subsection, the*
19 *Secretary shall award such grants, on a competitive*
20 *basis, to eligible entities.*

21 “(2) *USES OF FUNDS.—An eligible entity that*
22 *receives an innovation grant under this subsection*
23 *shall use the grant funds to pay the Federal share of*
24 *projects consistent with the purpose described in sub-*
25 *section (a) that establish and conduct innovative*

1 *strategies, or scale up proven strategies, and that*
2 *achieve at least 1 of the outcomes described in sub-*
3 *section (b)(1). Such projects may include one or more*
4 *of the following:*

5 *“(A) Innovative paradigms to improve com-*
6 *munication, sharing, and delivery of resources*
7 *that further the purpose described in subsection*
8 *(a), including the following:*

9 *“(i) Networking structures and systems*
10 *to more effectively match graduates with*
11 *international and foreign language edu-*
12 *cation skills with employment needs.*

13 *“(ii) Sharing international specialist*
14 *expertise across institutions of higher edu-*
15 *cation or in the workforce to pursue spe-*
16 *cialization or learning opportunities not*
17 *available at any single institution of higher*
18 *education, such as shared courses for study-*
19 *ing less commonly taught languages, world*
20 *areas or regions, international business or*
21 *other professional areas, or specialized re-*
22 *search topics of national strategic interest.*

23 *“(iii) Producing, collecting, orga-*
24 *nizing, preserving, and widely dissemi-*
25 *nating international and foreign language*

1 *education expertise, resources, courses, and*
2 *other information through the use of elec-*
3 *tronic technologies and other techniques.*

4 “(iv) Collaborative initiatives to iden-
5 tify, capture, and provide consistent access
6 to, and creation of, digital global library re-
7 sources that are beyond the capacity of any
8 single eligible entity receiving a grant
9 under this section or any single institution
10 of higher education, including the profes-
11 sional development of library staff.

12 “(v) Utilization of technology to create
13 open-source resources in international, area,
14 global, and foreign language studies that
15 are adaptable to multiple educational set-
16 tings and promote interdisciplinary part-
17 nerships between technologists, curriculum
18 designers, international and foreign lan-
19 guage education experts, language teachers,
20 and librarians.

21 “(B) Innovative curriculum, teaching, and
22 learning strategies, including the following:

23 “(i) New initiatives for collaborations
24 of disciplinary programs with foreign lan-
25 guage, area, global, and international stud-

1 *ies, and education abroad programs that*
2 *address the internationalization of such dis-*
3 *ciplinary studies with the purpose of pro-*
4 *ducing globally competent graduates.*

5 *“(ii) Innovative collaborations between*
6 *established centers of international and for-*
7 *ign language education excellence and*
8 *underrepresented institutions and popu-*
9 *lations seeking to further their goals for*
10 *strengthening international, area, global,*
11 *and foreign language studies, including at*
12 *minority-serving institutions or community*
13 *colleges.*

14 *“(iii) Teaching and learning collabora-*
15 *tions among foreign language, area, global,*
16 *or other international studies with diaspora*
17 *communities, including heritage students.*

18 *“(iv) New approaches and methods to*
19 *teaching emerging global issues, cross-re-*
20 *gional interactions, and underrepresented*
21 *regions or countries, such as project- and*
22 *team-based learning.*

23 *“(C) Innovative assessment and outcome*
24 *tools and techniques that further the purpose de-*
25 *scribed in subsection (a), including the following:*

1 “(i) *International and foreign lan-*
2 *guage education assessment techniques that*
3 *are coupled with outcome-focused training*
4 *modules, such as certificates or badges, im-*
5 *mersion learning, or e-portfolio systems.*

6 “(ii) *Effective and easily accessible*
7 *methods of assessing professionally useful*
8 *levels of proficiency in foreign languages or*
9 *competencies in area, culture, and global*
10 *knowledge or other international fields in*
11 *programs under this title, which may in-*
12 *clude use of open access online and other*
13 *cost-effective tools for students and educators*
14 *at all educational levels and in the work-*
15 *place.*

16 “(f) *APPLICATION.—Each eligible entity desiring a*
17 *grant under this section shall submit to the Secretary an*
18 *application at such time, in such manner, and containing*
19 *such information as the Secretary shall require, includ-*
20 *ing—*

21 “(1) *a description of each proposed project the el-*
22 *igible entity plans to carry out under this section and*
23 *how such project meets the purpose described in sub-*
24 *section (a);*

1 “(2) if applicable, a demonstration of why the
2 entity needs a waiver or reduction of the matching re-
3 quirement under subsection (g); and

4 “(3) an assurance that each such proposed
5 project will be self-sustainable after the project is com-
6 pleted.

7 “(g) *MATCHING REQUIREMENT.*—

8 “(1) *IN GENERAL.*—*The Federal share of the*
9 *total cost for carrying out a project supported by a*
10 *grant under this section shall be not more than 66.66*
11 *percent.*

12 “(2) *NON-FEDERAL SHARE CONTRIBUTIONS.*—
13 *The non-Federal share of such cost shall be no less*
14 *than 33.34 percent and may be provided either in-*
15 *kind or in cash, from institutional and non-institu-*
16 *tional funds, including contributions from State or*
17 *private sector corporations, nonprofit entities, or*
18 *foundations.*

19 “(3) *SPECIAL RULE.*—*Notwithstanding para-*
20 *graphs (1) and (2), the Secretary may waive or re-*
21 *duce the non-Federal share required under paragraph*
22 *(2) for eligible entities that—*

23 “(A) *are minority-serving institutions or*
24 *are community colleges; or*

1 “(B) have submitted a grant application as
2 required by subsection (f) that demonstrates a
3 need for such a waiver or reduction.

4 “(h) *DATABASE AND REPORTING.*—The Secretary shall
5 directly, or through grants or contracts with an eligible
6 grant recipient—

7 “(1) establish, curate, maintain, and update at
8 least every grant cycle a web-based site which shall
9 showcase the results of this section and serve as a
10 user-friendly repository of the information, resources,
11 and best practices generated through activities con-
12 ducted under this section; and

13 “(2) prepare, publish, and disseminate to Con-
14 gress and the public at least once every 5 years, a re-
15 port that summarizes key findings and policy issues
16 from the activities conducted under this section, espe-
17 cially as such activities relate to international and
18 foreign language education and outcomes.”.

19 “(c) *DISCONTINUATION OF FOREIGN INFORMATION AC-*
20 *CESS PROGRAM.*—Part A of title VI of the Higher Edu-
21 cation Act of 1965 (20 U.S.C. 1121 et seq.) is further
22 amended—

23 (1) by striking sections 606 and 610; and

24 (2) redesignating sections 607, 608, and 609 as
25 sections 606, 607, and 608, respectively.

1 (d) *FINDINGS AND PURPOSE FOR GLOBAL BUSINESS*
2 *AND PROFESSIONAL EDUCATION PROGRAMS.*—Section 611
3 *of the Higher Education Act of 1965 (20 U.S.C. 1130) is*
4 *amended—*

5 (1) *in subsection (a)—*

6 (A) *by amending paragraph (1) to read as*
7 *follows:*

8 “(1) *the future welfare of the United States will*
9 *depend substantially on increasing international and*
10 *global skills in business, educational, and other pro-*
11 *fessional communities and creating an awareness*
12 *among the American public of the internationaliza-*
13 *tion of our economy and numerous other professional*
14 *areas important to the national interest in the 21st*
15 *century;”;*

16 (B) *by amending paragraph (2) to read as*
17 *follows:*

18 “(2) *concerted efforts are necessary to engage*
19 *business and other professional education and tech-*
20 *nical training programs, language, area, and global*
21 *study programs, professional international affairs*
22 *education programs, public and private sector organi-*
23 *zations, and United States business in a mutually*
24 *productive relationship which benefits the Nation’s fu-*
25 *ture economic and security interests;”;*

1 (C) in paragraph (3), by striking “and the
2 international” and inserting “and other profes-
3 sional fields and the international and global”;
4 and

5 (D) in paragraph (4)—

6 (i) by inserting “, as well as other pro-
7 fessional organizations,” after “departments
8 of commerce”; and

9 (ii) by inserting “or other professions”
10 after “business”; and

11 (2) in subsection (b)—

12 (A) in paragraph (1)—

13 (i) by striking “and economic enter-
14 prise” and inserting “, economic enterprise,
15 and security”; and

16 (ii) by inserting “and other profes-
17 sional” before “personnel”; and

18 (B) in paragraph (2), by striking “to pros-
19 per in an international” and inserting “and
20 other professional fields to prosper in a global”.

21 (e) *PROFESSIONAL AND TECHNICAL EDUCATION FOR*
22 *GLOBAL COMPETITIVENESS.*—Section 613 of the Higher
23 Education Act of 1965 (20 U.S.C. 1130a) is amended to
24 read as follows:

1 **“SEC. 613. PROFESSIONAL AND TECHNICAL EDUCATION**
2 **FOR GLOBAL COMPETITIVENESS.**

3 “(a) *PURPOSE.*—*The purpose of this section is to sup-*
4 *port innovative strategies that provide undergraduate and*
5 *graduate students with the global professional competencies,*
6 *perspectives, and skills needed to strengthen and enrich*
7 *global engagement and competitiveness in a wide variety*
8 *of professional and technical fields important to the na-*
9 *tional interest in the 21st century.*

10 “(b) *PROGRAM AUTHORIZED.*—*The Secretary shall*
11 *make grants to, or enter into contracts with, eligible entities*
12 *to pay the Federal share of the cost of programs designed*
13 *to—*

14 “(1) *establish an interdisciplinary global focus*
15 *in the undergraduate and graduate curricula of busi-*
16 *ness, science, technology, engineering, and other pro-*
17 *fessional education and technical training programs*
18 *to be determined by the Secretary based on national*
19 *needs;*

20 “(2) *produce graduates with proficiencies in both*
21 *the global aspects of their professional education or*
22 *technical training fields and international, cross-cul-*
23 *tural, and foreign language skills; and*

24 “(3) *provide appropriate services to or partner-*
25 *ships with the corporate, government, and nonprofit*
26 *communities in order to expand knowledge and ca-*

1 *capacity for global engagement and competitiveness and*
2 *provide internship or employment opportunities for*
3 *students and graduates with international skills.*

4 “(c) *MANDATORY ACTIVITIES.*—*An eligible entity that*
5 *receives a grant or contract under this section shall use the*
6 *grant or contract to carry out the following:*

7 “(1) *With respect to undergraduate or graduate*
8 *professional education and technical training cur-*
9 *ricula, incorporating—*

10 “(A) *foreign language programs that lead to*
11 *proficiency, including immersion opportunities;*

12 “(B) *international, area, or global studies*
13 *programs;*

14 “(C) *education, internships, or other inno-*
15 *vative or technological linkages abroad; and*

16 “(D) *global business, economic, and trade*
17 *studies, where appropriate.*

18 “(2) *Innovating and improving international,*
19 *global, and foreign language education curricula to*
20 *serve the needs of business and other professional and*
21 *nonprofit communities, including development of new*
22 *programs for nontraditional, mid-career, or part-time*
23 *students.*

24 “(3) *Establishing education or internship abroad*
25 *programs, domestic globally-focused internships, or*

1 *other innovative approaches to enable undergraduate*
2 *or graduate students in professional education or*
3 *technical training to develop foreign language skills*
4 *and knowledge of foreign cultures, societies, and glob-*
5 *al dimensions of their professional fields.*

6 “(4) *Developing collaborations between institu-*
7 *tions of higher education and corporations or non-*
8 *profit organizations in order to strengthen engage-*
9 *ment and competitiveness in global business, trade, or*
10 *other global professional activities.*

11 “(d) *DISCRETIONARY ACTIVITIES.—An eligible entity*
12 *that receives a grant or contract under this section may*
13 *use the grant or contract to carry out the following:*

14 “(1) *Developing specialized teaching materials*
15 *and courses, including foreign language and area or*
16 *global studies materials, and innovative technological*
17 *delivery systems appropriate for professionally-ori-*
18 *ented students.*

19 “(2) *Establishing student fellowships or other in-*
20 *novative support opportunities, including for under-*
21 *represented populations, first generation college stu-*
22 *dents (defined in section 402A), and heritage learners,*
23 *for education and training in global professional de-*
24 *velopment activities.*

1 “(3) *Developing opportunities or fellowships for*
2 *faculty or junior faculty of professional education or*
3 *technical training (including the faculty of minority-*
4 *serving institutions or community colleges) to acquire*
5 *or strengthen international and global skills and per-*
6 *spectives.*

7 “(4) *Creating institutes that take place over aca-*
8 *demie breaks, like the summer, including through*
9 *technological means, and cover foreign language,*
10 *world area, global, or other international studies in*
11 *learning areas of global business, science, technology,*
12 *engineering, or other professional education and*
13 *training fields.*

14 “(5) *Internationalizing curricula at minority-*
15 *serving institutions or community colleges to further*
16 *the purpose of this section.*

17 “(6) *Establishing international linkages or part-*
18 *nerships with institutions of higher education, cor-*
19 *porations, or organizations that contribute to the ob-*
20 *jectives of this section.*

21 “(7) *Developing programs to inform the public of*
22 *increasing global interdependence in professional edu-*
23 *cation and technical training fields.*

24 “(8) *Establishing trade education programs*
25 *through agreements with regional, national, global,*

1 *bilateral, or multilateral trade centers, councils, or*
2 *associations.*

3 “(e) *APPLICATION.—Each eligible entity desiring a*
4 *grant or contract under this section shall submit an appli-*
5 *cation to the Secretary at such time, in such manner, and*
6 *including such information as the Secretary may reason-*
7 *ably require, including assurances that—*

8 “(1) *each proposed project have reasonable and*
9 *demonstrable plans for sustainability and*
10 *replicability upon completion of the project;*

11 “(2) *the institution of higher education will use*
12 *the assistance provided under this section to supple-*
13 *ment and not supplant other activities described in*
14 *subsection (b) that are conducted by the institution of*
15 *higher education as of the day before the date of the*
16 *grant or contract;*

17 “(3) *in the case of eligible entities that are con-*
18 *sortia of institutions of higher education, or partner-*
19 *ship described in subsection (g)(1)(C), a copy of their*
20 *partnership agreement that demonstrates compliance*
21 *with subsection (b) will be provided to the Secretary;*

22 “(4) *the activities funded by the grant or con-*
23 *tract will reflect diverse perspectives and a wide*
24 *range of views of world regions and international af-*
25 *airs where applicable; and*

1 “(5) *if applicable, a demonstration of why the el-*
2 *igible entity needs a waiver or reduction of the*
3 *matching requirement under subsection (f).*

4 “(f) *MATCHING REQUIREMENT.—*

5 “(1) *IN GENERAL.—The Federal share of the*
6 *total cost for carrying out a program supported by a*
7 *grant under this section shall be not more than 50*
8 *percent.*

9 “(2) *NON-FEDERAL SHARE CONTRIBUTIONS.—*
10 *The non-Federal share of such cost shall be not less*
11 *than 50 percent and may be provided either in-kind*
12 *or in cash, from institutional and non-institutional*
13 *funds, including contributions from State and private*
14 *sector corporations, nonprofit entities, or foundations.*

15 “(3) *SPECIAL RULE.—Notwithstanding para-*
16 *graphs (1) and (2), the Secretary may waive or re-*
17 *duce the non-Federal share required under paragraph*
18 *(2) for eligible entities that—*

19 “(A) *are minority-serving institutions or*
20 *are community colleges; or*

21 “(B) *have submitted a grant application as*
22 *required by subsection (e) that demonstrates a*
23 *need for such a waiver or reduction.*

24 “(g) *DEFINITIONS.—In this section:*

1 “(1) *ELIGIBLE ENTITY.*—The term ‘eligible enti-
2 ty’ means—

3 “(A) an institution of higher education;

4 “(B) a consortia of such institutions; or

5 “(C) a partnership between—

6 “(i) an institution of higher education
7 or a consortia of such institutions; and

8 “(ii) at least one corporate or non-
9 profit entity.

10 “(2) *PROFESSIONAL EDUCATION AND TECHNICAL*
11 *TRAINING.*—The term ‘professional education and
12 technical training’ means a program at an institu-
13 tion of higher education that offers undergraduate,
14 graduate, or post-graduate level education in a profes-
15 sional or technical field that is determined by the Sec-
16 retary as meeting a national need for global or inter-
17 national competency (which may include business,
18 science, technology, engineering, law, health, energy,
19 environment, agriculture, transportation, or edu-
20 cation).

21 “(h) *FUNDING RULE.*—Notwithstanding any other
22 provision of this title, funds made available to the Secretary
23 for a fiscal year may not be obligated or expended to carry
24 out this section unless the funds appropriated for such fiscal
25 year to carry out this title exceed \$69,353,000.”.

1 (f) *DISCONTINUATION OF CERTAIN AUTHORIZATIONS*
2 *OF APPROPRIATIONS.*—*Part B of title VI of the Higher*
3 *Education Act of 1965 (20 U.S.C. 1130 et seq.) is further*
4 *amended by striking section 614.*

5 (g) *REPEAL OF INSTITUTE FOR INTERNATIONAL PUB-*
6 *LIC POLICY.*—*Title VI of the Higher Education Act of 1965*
7 *(20 U.S.C. 1131 et seq.) is amended—*

8 (1) *by striking part C; and*

9 (2) *by redesignating part D as part C.*

10 (h) *DEFINITIONS.*—*Section 631(a) of the Higher Edu-*
11 *cation Act of 1965 (20 U.S.C. 1132(a)) is amended—*

12 (1) *in paragraph (9), by striking “and” at the*
13 *end;*

14 (2) *in paragraph (10), by striking the period at*
15 *the end and inserting a semicolon; and*

16 (3) *by adding at the end the following:*

17 “(11) the term ‘community college’ means a pub-

18 *lic institution of higher education at which the high-*

19 *est degree that is predominantly awarded to students*

20 *is an associate degree, including a 2-year Tribal Col-*

21 *lege or University (as defined in section 316);*

22 “(12) the term ‘heritage student’ means a post-

23 *secondary student who—*

1 “(A) was born in the United States to im-
2 migrant parents or immigrated to the United
3 States at an early age;

4 “(B) is proficient in English, but raised in
5 a family primarily speaking 1 or more lan-
6 guages of the country of origin; and

7 “(C) maintains a close affinity with the
8 family’s culture and language of origin; and

9 “(13) the term ‘minority-serving institution’
10 means an institution of higher education that is eligi-
11 ble to receive a grant under part A or B of title III
12 or title V.”.

13 (i) *PRIORITY TO MINORITY-SERVING INSTITUTIONS.*—
14 Part C of title VI of the Higher Education Act of 1965 (20
15 U.S.C. 1132 et seq.), as redesignated by subsection (g)(2),
16 is further amended—

17 (1) by striking sections 637 and 638; and

18 (2) by adding at the end the following:

19 “**SEC. 637. PRIORITY TO MINORITY-SERVING INSTITUTIONS.**

20 “(a) *PRIORITY.*—In seeking applications and award-
21 ing grants under this title, the Secretary, may give priority
22 to—

23 “(1) minority-serving institutions; or

24 “(2) institutions of higher education that apply
25 for such grants that propose significant and sustained

1 *collaborative activities with one or more minority-*
2 *serving institutions.*

3 “(b) *TECHNICAL ASSISTANCE.*—*The Secretary shall*
4 *provide technical assistance to minority-serving institu-*
5 *tions to ensure maximum distribution of grants to eligible*
6 *minority-serving institutions and among each category of*
7 *such institutions.”.*

8 (j) *AUTHORIZATION OF APPROPRIATIONS FOR INTER-*
9 *NATIONAL EDUCATION PROGRAMS.*—*Part C of title VI of*
10 *the Higher Education Act of 1965 (20 U.S.C. 1132 et seq.),*
11 *as redesignated by subsection (g)(2), is further amended by*
12 *adding at the end the following:*

13 **“SEC. 638. AUTHORIZATION OF APPROPRIATIONS.**

14 “(a) *IN GENERAL.*—*There are authorized to be appro-*
15 *priated to carry out this title \$208,059,000 for fiscal year*
16 *2022 and such sums as may be necessary for each of the*
17 *5 succeeding fiscal years.”.*

18 **SEC. 6122. CONFUCIUS INSTITUTES.**

19 (a) *DEFINITIONS.*—*In this section—*

20 (1) *the term “Confucius Institute” means a cul-*
21 *tural institute established as a partnership between a*
22 *United States institution of higher education and a*
23 *Chinese institution of higher education to promote*
24 *and teach Chinese language and culture that is fund-*

1 *ed, directly or indirectly, by the Government of the*
2 *People’s Republic of China; and*

3 (2) *the term “institution of higher education”*
4 *has the meaning given that term in section 102 of the*
5 *Higher Education Act of 1965 (20 U.S.C. 1002).*

6 (b) *RESTRICTIONS OF CONFUCIUS INSTITUTES.—Ex-*
7 *cept as provided in subsection (e), an institution of higher*
8 *education that maintains a contract or agreement between*
9 *the institution and a Confucius Institute shall not be eligi-*
10 *ble to receive Federal funds provided under the Higher Edu-*
11 *cation Act of 1965 (20 U.S.C. 1001 et seq.), except funds*
12 *provided under title IV of such Act, unless the institution*
13 *satisfies the requirements and conditions of subsection (c)*
14 *or (d).*

15 (c) *EVALUATION OF CONFUCIUS INSTITUTE CON-*
16 *TRACTS OR AGREEMENTS.—*

17 (1) *IN GENERAL.—The Secretary of Education,*
18 *in consultation with the National Academies of*
19 *Science, Engineering, and Medicine, shall evaluate*
20 *any contract or agreement between an institution of*
21 *higher education and a Confucius Institute, and pub-*
22 *lish such evaluation on the website of the Department*
23 *of Education, to confirm that any such contract or*
24 *agreement includes clear provisions that—*

1 (A) protect academic freedom at the institu-
2 tion;

3 (B) prohibit the application of any foreign
4 law on any campus of the institution; and

5 (C) grant full managerial authority of the
6 Confucius Institute to the institution, including
7 full control over what is being taught, the activi-
8 ties carried out, the research grants that are
9 made, and who is employed at the Confucius In-
10 stitute.

11 (2) *FAILURE TO SATISFY CONDITIONS.*—If the
12 Secretary of Education, in consultation with the Na-
13 tional Academies of Science, Engineering, and Medi-
14 cine, cannot confirm that the contract or agreement
15 includes the clear provisions in accordance with para-
16 graph (1), the conditions under such paragraph shall
17 not be considered to be satisfied for the purposes of
18 subsection (b).

19 (d) *PUBLIC INSPECTION REQUIREMENT.*—The Sec-
20 retary of Education shall ensure that each institution of
21 higher education that maintains a contract or agreement
22 between the institution and a Confucius Institute makes
23 available for public inspection—

24 (1) a true copy of the contract or agreement be-
25 tween the institution and the Confucius Institute; and

1 *with maturities suitable to the fund. For such purpose, such*
2 *obligations may be acquired—*

3 “(A) *on original issue at the issue price; or*

4 “(B) *by purchase of outstanding obligations at*
5 *the market price.*

6 “(3) *The purposes for which obligations of the United*
7 *States may be issued under chapter 31 of title 31, United*
8 *States Code, are hereby extended to authorize the issuance*
9 *at par of special obligations exclusively to the fund. Such*
10 *special obligations shall bear interest at a rate equal to the*
11 *average rate of interest, computed as to the end of the cal-*
12 *endar month next preceding the date of such issue, borne*
13 *by all marketable interest-bearing obligations of the United*
14 *States then forming a part of the public debt, except that*
15 *where such average rate is not a multiple of $\frac{1}{8}$ of 1 percent,*
16 *the rate of interest of such special obligations shall be the*
17 *multiple of $\frac{1}{8}$ of 1 percent next lower than such average*
18 *rate. Such special obligations shall be issued only if the Sec-*
19 *retary determines that the purchases of other interest-bear-*
20 *ing obligations of the United States, or of obligations guar-*
21 *anteed as to both principal and interest by the United*
22 *States or original issue or at the market price, is not in*
23 *the public interest.”.*

24 (2) *AUTHORIZATION OF APPROPRIATIONS.—Sec-*
25 *tion 14 of Public Law 93–642 (20 U.S.C. 2013) is*

1 *amended by striking “\$30,000,000 to the fund” and*
2 *inserting “to the Harry S. Truman Memorial Schol-*
3 *arship Trust Fund such sums as may be necessary for*
4 *fiscal year 2022 and each succeeding fiscal year.”.*

5 *(b) JAMES MADISON MEMORIAL FELLOWSHIP TRUST*
6 *FUND.—*

7 *(1) IN GENERAL.—Subsection (b) of section 811*
8 *of the James Madison Memorial Fellowship Act (20*
9 *U.S.C. 4510) is amended to read as follows:*

10 *“(b)(1) It shall be the duty of the Secretary of the*
11 *Treasury to invest in full the amounts appropriated to the*
12 *fund.*

13 *“(2) Subject to paragraph (3), investments of amounts*
14 *appropriated to the fund shall be made in public debt secu-*
15 *rities of the United States with maturities suitable to the*
16 *fund. For such purpose, such obligations may be acquired—*

17 *“(A) on original issue at the issue price; or*

18 *“(B) by purchase of outstanding obligations at*
19 *the market price. The purposes for which obligations*
20 *of the United States may be issued under chapter 31*
21 *of title 31, United States Code, are hereby extended*
22 *to authorize the issuance at par of special obligations*
23 *exclusively to the fund. Such special obligations shall*
24 *bear interest at a rate equal to the average rate of in-*
25 *terest, computed as to the end of the calendar month*

1 *next preceding the date of such issue, borne by all*
2 *marketable interest-bearing obligations of the United*
3 *States then forming a part of the public debt, except*
4 *that where such average rate is not a multiple of $\frac{1}{8}$*
5 *of 1 percent, the rate of interest of such special obliga-*
6 *tions shall be the multiple of $\frac{1}{8}$ of 1 percent next*
7 *lower than such average rate. Such special obligations*
8 *shall be issued only if the Secretary determines that*
9 *the purchases of other interest-bearing obligations of*
10 *the United States, or of obligations guaranteed as to*
11 *both principal and interest by the United States or*
12 *original issue or at the market price, is not in the*
13 *public interest.*

14 “(3)(A) *Notwithstanding paragraph (2), upon*
15 *receiving a determination of the Board described in*
16 *subparagraph (B), the Secretary shall invest up to 40*
17 *percent of the fund’s assets in securities other than*
18 *public debt securities of the United States, provided*
19 *that the securities are traded in established United*
20 *States markets.*

21 “(B) *A determination described in this subpara-*
22 *graph is a determination by the Board that invest-*
23 *ments as described in subparagraph (A) are necessary*
24 *to enable the Foundation to carry out the purposes of*

1 *this title without any diminution of the number of*
 2 *fellowships provided under section 804.*

3 “(C) *Nothing in this paragraph shall be con-*
 4 *strued to limit the authority of the Board to increase*
 5 *the number of fellowships provided under section 804,*
 6 *or to increase the amount of the fellowship authorized*
 7 *by section 809, as the Board considers appropriate*
 8 *and is otherwise consistent with the requirements of*
 9 *this title.”.*

10 (2) *AUTHORIZATION OF APPROPRIATIONS.—Sec-*
 11 *tion 816 of the James Madison Memorial Fellowship*
 12 *Act (20 U.S.C. 4515) is amended to read as follows:*

13 **“SEC. 816. AUTHORIZATION OF APPROPRIATIONS.**

14 *“There are authorized to be appropriated to the James*
 15 *Madison Memorial Trust Fund such sums as may be nec-*
 16 *essary to carry out the provisions of this title for fiscal year*
 17 *2022 and each succeeding fiscal year.”.*

18 **SEC. 6124. DISCLOSURES OF FOREIGN GIFTS AND CON-**
 19 **TRACTS AT INSTITUTIONS OF HIGHER EDU-**
 20 **CATION.**

21 (a) *DISCLOSURES OF FOREIGN GIFTS.—Section 117*
 22 *of the Higher Education Act of 1965 (20 U.S.C. 1011f) is*
 23 *amended to read as follows:*

24 **“SEC. 117. DISCLOSURES OF FOREIGN GIFTS.**

25 *“(a) DISCLOSURE REPORTS.—*

1 “(1) *AGGREGATE GIFTS AND CONTRACT DISCLO-*
2 *SURES.—An institution shall file a disclosure report*
3 *described in subsection (b) with the Secretary not*
4 *later than March 31 immediately following any cal-*
5 *endar year in which the institution receives a gift*
6 *from, or enters into a contract with, a foreign source,*
7 *the value of which is \$50,000 or more, considered*
8 *alone or in combination with all other gifts from, or*
9 *contracts with, that foreign source within the cal-*
10 *endar year.*

11 “(2) *DISCLOSURE OF CONTRACTS WITH UNDE-*
12 *TERMINED MONETARY VALUE.—An institution shall*
13 *file a disclosure report described in subsection (b)*
14 *with the Secretary not later than March 31 imme-*
15 *diately following any calendar year in which the in-*
16 *stitution enters into a contract with a foreign source*
17 *that has an undetermined monetary value.*

18 “(3) *FOREIGN SOURCE OWNERSHIP OR CONTROL*
19 *DISCLOSURES.—In the case of an institution that is*
20 *owned or controlled by a foreign source, the institu-*
21 *tion shall file a disclosure report described in sub-*
22 *section (b) with the Secretary not later than March*
23 *31 of every year.*

1 “(b) *CONTENTS OF REPORT.*—Each report to the Sec-
2 retary required by subsection (a) shall contain the fol-
3 lowing:

4 “(1)(A) *In the case of an institution required to*
5 *file a report under paragraph (1) or (2) of subsection*
6 *(a)—*

7 “(i) *for gifts received from or contracts en-*
8 *tered into with a foreign government, the aggre-*
9 *gate amount of such gifts and contracts received*
10 *from each foreign government; and*

11 “(ii) *for gifts received from or contracts en-*
12 *tered into with a foreign source other than a for-*
13 *ign government, the aggregate dollar amount of*
14 *such gifts and contracts attributable to a par-*
15 *ticular country and the legal or formal name of*
16 *the foreign source.*

17 “(B) *For purposes of this paragraph, the*
18 *country to which a gift is attributable is—*

19 “(i) *the country of citizenship, or if*
20 *unknown, the principal residence, for a for-*
21 *ign source who is a natural person; or*

22 “(ii) *the country of incorporation, or if*
23 *unknown, the principal place of business,*
24 *for a foreign source which is a legal entity.*

1 “(2) *In the case of an institution required to file*
2 *a report under subsection (a)(3)—*

3 “(A) *the information described in para-*
4 *graph (1)(A) (without regard to any gift or con-*
5 *tract threshold described in subsection (a)(1));*

6 “(B) *the identity of the foreign source that*
7 *owns or controls the institution;*

8 “(C) *the date on which the foreign source*
9 *assumed ownership or control; and*

10 “(D) *any changes in program or structure*
11 *resulting from the change in ownership or con-*
12 *trol.*

13 “(3) *An assurance that the institution will*
14 *maintain a true copy of each gift or contract agree-*
15 *ment subject to the disclosure requirements under this*
16 *section, until the latest of—*

17 “(A) *the date that is 4 years after the date*
18 *of the agreement;*

19 “(B) *the date on which the agreement ter-*
20 *minates; or*

21 “(C) *the last day of any period that appli-*
22 *cable State public record law requires a true*
23 *copy of such agreement to be maintained.*

24 “(4) *An assurance that the institution will*
25 *produce true copies of gift and contract agreements*

1 *subject to the disclosure requirements under this sec-*
2 *tion upon request of the Secretary during a compli-*
3 *ance audit or other institutional investigation and*
4 *shall ensure all gifts and contracts from the foreign*
5 *source are translated into English by a third party*
6 *unaffiliated with the foreign source or institution for*
7 *this purpose.*

8 “(c) *ADDITIONAL DISCLOSURES FOR RESTRICTED AND*
9 *CONDITIONAL GIFTS AND CONTRACTS.—Notwithstanding*
10 *the provisions of subsection (b), whenever any institution*
11 *receives a restricted or conditional gift or contract from a*
12 *foreign source, the institution shall disclose the following*
13 *to the Department translated into English by a third party*
14 *unaffiliated with the foreign source or institution:*

15 “(1) *For such gifts received from or contracts en-*
16 *tered into with a foreign source other than a foreign*
17 *government, the amount, the date, and a description*
18 *of such conditions or restrictions. The report shall*
19 *also disclose the country of citizenship, or if unknown,*
20 *the principal residence for a foreign source which is*
21 *a natural person, and the country of incorporation,*
22 *or if unknown, the principal place of business for a*
23 *foreign source which is a legal entity.*

24 “(2) *For gifts received from or contracts entered*
25 *into with a foreign government, the amount, the date,*

1 *a description of such conditions or restrictions, and*
2 *the name of the foreign government.*

3 “(d) *RELATION TO OTHER REPORTING REQUIRE-*
4 *MENTS.—*

5 “(1) *STATE REQUIREMENTS.—If an institution*
6 *that is required to file a disclosure report under sub-*
7 *section (a) is within a State which has enacted re-*
8 *quirements for public disclosure of gifts from or con-*
9 *tracts with a foreign source that includes all informa-*
10 *tion required under this section for the same or an*
11 *equivalent time period, a copy of the disclosure report*
12 *filed with the State may be filed with the Secretary*
13 *in lieu of the report required under such subsection.*
14 *The State in which the institution is located shall*
15 *provide to the Secretary such assurances as the Sec-*
16 *retary may require to establish that the institution*
17 *has met the requirements for public disclosure under*
18 *State law if the State report is filed.*

19 “(2) *USE OF OTHER FEDERAL REPORTS.—If an*
20 *institution receives a gift from, or enters into a con-*
21 *tract with, a foreign source, where any other depart-*
22 *ment, agency, or bureau of the executive branch re-*
23 *quires a report containing all the information re-*
24 *quired under this section for the same or an equiva-*
25 *lent time period, a copy of the report may be filed*

1 *with the Secretary in lieu of a report required under*
2 *subsection (a).*

3 “(e) *PUBLIC DISCLOSURE AND MODIFICATION OF RE-*
4 *PORTS.*—

5 “(1) *IN GENERAL.*—*Not later than 30 days after*
6 *receiving a disclosure report under this section, the*
7 *Secretary shall make such report electronically avail-*
8 *able to the public for downloading on a searchable*
9 *database under which institutions can be individually*
10 *identified and compared.*

11 “(2) *MODIFICATIONS.*—*The Secretary shall in-*
12 *corporate a process permitting institutions to revise*
13 *and update previously filed disclosure reports under*
14 *this section to ensure accuracy, compliance, and abil-*
15 *ity to cure.*

16 “(f) *SANCTIONS FOR NONCOMPLIANCE.*—

17 “(1) *IN GENERAL.*—*As a sanction for noncompli-*
18 *ance with the requirements under this section, the*
19 *Secretary may impose a fine on an institution that*
20 *in any year knowingly or willfully violates this sec-*
21 *tion, that is—*

22 “(A) *in the case of a failure to disclose a*
23 *gift or contract with a foreign source as required*
24 *under this section or to comply with the require-*
25 *ments of subsection (b)(4), in an amount that is*

1 *not less than \$250 but not more than the amount*
2 *of the gift or contract with the foreign source; or*

3 *“(B) in the case of any violation of the re-*
4 *quirements of subsection (a)(3), in an amount*
5 *that is not more than 25 percent of the total*
6 *amount of funding received by the institution*
7 *under this Act.*

8 *“(2) REPEATED FAILURES.—*

9 *“(A) KNOWING AND WILLFUL FAILURES.—*
10 *In addition to a fine for a violation in any year*
11 *in accordance with paragraph (1) and subject to*
12 *subsection (e)(2), the Secretary shall impose a*
13 *fine on an institution that knowingly and will-*
14 *fully fails in 3 consecutive years to comply with*
15 *the requirements of this section, that is—*

16 *“(i) in the case of a failure to disclose*
17 *a gift or contract with a foreign source as*
18 *required under this section or to comply*
19 *with the requirements of subsection (b)(4),*
20 *in an amount that is not less than \$100,000*
21 *but not more than twice the amount of the*
22 *gift or contract with the foreign source; or*

23 *“(ii) in the case of any violation of the*
24 *requirements of subsection (a)(3), in an*
25 *amount that is not more than 25 percent of*

1 *the total amount of funding received by the*
2 *institution under this Act.*

3 “(B) *ADMINISTRATIVE FAILURES.*—*The Sec-*
4 *retary shall impose a fine on an institution that*
5 *fails to comply with the requirements of this sec-*
6 *tion in 3 consecutive years, in an amount that*
7 *is not less than \$250 but not more than the*
8 *amount of the gift or contract with the foreign*
9 *source.*

10 “(C) *COMPLIANCE PLAN REQUIREMENT.*—
11 *An institution that fails to file a disclosure re-*
12 *port for a receipt of a gift from or contract with*
13 *a foreign source in 2 consecutive years, shall be*
14 *required to submit a compliance plan to Sec-*
15 *retary.*

16 “(g) *COMPLIANCE OFFICER.*—*Any institution that is*
17 *required to report a gift or contract under this section shall*
18 *designate and maintain a compliance officer who—*

19 “(1) *shall be a current employee or legally au-*
20 *thorized agent of such institution; and*

21 “(2) *shall be responsible, on behalf of the institu-*
22 *tion, for compliance with the foreign gift reporting re-*
23 *quirement under this section and section 124, if ap-*
24 *plicable.*

1 “(h) *SINGLE POINT OF CONTACT.*—*The Secretary shall*
2 *maintain a single point of contact to—*

3 “(1) *receive and respond to inquiries and re-*
4 *quests for technical assistance from institutions of*
5 *higher education regarding compliance with the re-*
6 *quirements of this section; and*

7 “(2) *coordinate the disclosure of information on*
8 *the searchable database, and process for modifications*
9 *of disclosures and ability to cure, as described in sub-*
10 *section (e).*

11 “(i) *TREATMENT OF CERTAIN PAYMENTS AND*
12 *GIFTS.*—

13 “(1) *EXCLUSIONS.*—*The following shall not be*
14 *considered a gift from a foreign source under this sec-*
15 *tion:*

16 “(A) *Any payment of one or more elements*
17 *of a student’s cost of attendance (as defined in*
18 *section 472) to an institution by, or scholarship*
19 *from, a foreign source who is a natural person,*
20 *acting in their individual capacity and not as*
21 *an agent for, at the request or direction of, or on*
22 *behalf of, any person or entity (except the stu-*
23 *dent), made on behalf of no more than 15 stu-*
24 *dents that is not made under contract with such*
25 *foreign source, except for the agreement between*

1 *the institution and such student covering one or*
2 *more elements of such student’s cost of attend-*
3 *ance.*

4 “(B) *Assignment or license of registered in-*
5 *dustrial and intellectual property rights, such as*
6 *patents, utility models, trademarks, or copy-*
7 *rights, or technical assistance, that are not iden-*
8 *tified as being associated with a national secu-*
9 *rity risk or concern by the Federal Research Se-*
10 *curity Council as described under section 7902 of*
11 *title 31, United States Code, as added by section*
12 *4493 of the Securing America’s Future Act.*

13 “(2) *INCLUSIONS.—Any gift to, or contract with,*
14 *an entity or organization, such as a research founda-*
15 *tion, that operates substantially for the benefit or*
16 *under the auspices of an institution shall be consid-*
17 *ered a gift to or with respectively, such institution.*

18 “(j) *DEFINITIONS.—In this section—*

19 “(1) *the term ‘contract’—*

20 “(A) *means any—*

21 “(i) *agreement for the acquisition by*
22 *purchase, lease, or barter of property or*
23 *services by the foreign source, for the direct*
24 *benefit or use of either of the parties, except*
25 *as provided in subparagraph (B); or*

1 “(ii) affiliation, agreement, or similar
2 transaction with a foreign source and is
3 based on the use or exchange of an institu-
4 tion’s name, likeness, time, services, or re-
5 sources, except as provided in subparagraph
6 (B); and

7 “(B) does not include any agreement made
8 by an institution located in the United States for
9 the acquisition, by purchase, lease, or barter, of
10 property or services from a foreign source;

11 “(2) the term ‘foreign source’ means—

12 “(A) a foreign government, including an
13 agency of a foreign government;

14 “(B) a legal entity, governmental or other-
15 wise, created under the laws of a foreign state or
16 states;

17 “(C) an individual who is not a citizen or
18 a national of the United States or a trust terri-
19 tory or protectorate thereof; and

20 “(D) an agent, including a subsidiary or
21 affiliate of a foreign legal entity, acting on behalf
22 of a foreign source;

23 “(3) the term ‘gift’ means any gift of money,
24 property, resources, staff, or services;

1 “(4) the term ‘institution’ means an institution
2 of higher education, as defined in section 102, or, if
3 a multicampus institution, any single campus of such
4 institution, in any State; and

5 “(5) the term ‘restricted or conditional gift or
6 contract’ means any endowment, gift, grant, contract,
7 award, present, or property of any kind which in-
8 cludes provisions regarding—

9 “(A) the employment, assignment, or termi-
10 nation of faculty;

11 “(B) the establishment of departments, cen-
12 ters, institutes, instructional programs, research
13 or lecture programs, or new faculty positions;

14 “(C) the selection or admission of students;
15 or

16 “(D) the award of grants, loans, scholar-
17 ships, fellowships, or other forms of financial aid
18 restricted to students of a specified country, reli-
19 gion, sex, ethnic origin, or political opinion.”.

20 (b) *POLICY REGARDING CONFLICTS OF INTEREST*
21 *FROM FOREIGN GIFTS AND CONTRACTS.—Part B of title*
22 *I of the Higher Education Act of 1965 (20 U.S.C. 1011*
23 *et seq.) is amended by adding at the end the following:*

1 **“SEC. 124. INSTITUTIONAL POLICY REGARDING FOREIGN**
2 **GIFTS AND CONTRACTS TO FACULTY AND**
3 **STAFF.**

4 *“(a) REQUIREMENT TO MAINTAIN POLICY AND DATA-*
5 *BASE.—Each institution of higher education described in*
6 *subsection (b) shall—*

7 *“(1) maintain a policy requiring faculty, profes-*
8 *sional staff, and other staff engaged in research and*
9 *development (as determined by the institution) em-*
10 *ployed at such institution to disclose to such institu-*
11 *tion any gifts received from, or contracts entered into*
12 *with, a foreign source;*

13 *“(2) maintain a searchable database of informa-*
14 *tion disclosed in paragraph (1) for the previous five*
15 *years, except an institution shall not be required to*
16 *include in the database gifts or contracts received or*
17 *entered into before the date of enactment of the Secur-*
18 *ing America’s Future Act; and*

19 *“(3) maintain a plan to effectively identify and*
20 *manage potential information gathering by foreign*
21 *sources through espionage targeting faculty, profes-*
22 *sional staff, and other staff engaged in research and*
23 *development (as determined by the institution) that*
24 *may arise from gifts received from, or contracts en-*
25 *tered into with, a foreign source, including through*

1 *the use of periodic communications and enforcement*
2 *of the policy described in paragraph (1).*

3 “(b) *INSTITUTIONS.—An institution of higher edu-*
4 *cation shall be subject to the requirements of this section*
5 *if such institution—*

6 “(1) *is an institution of higher education as de-*
7 *finied under section 102; and*

8 “(2) *had more than \$5,000,000 in research and*
9 *development expenditures in any of the previous five*
10 *years.*

11 “(c) *SANCTIONS FOR NONCOMPLIANCE.—*

12 “(1) *IN GENERAL.—As a sanction for noncompli-*
13 *ance with the requirements under this section, the*
14 *Secretary may impose a fine on an institution that*
15 *in any year knowingly or willfully violates this sec-*
16 *tion, in an amount that is not less than \$250 but not*
17 *more than \$1,000.*

18 “(2) *SECOND FAILURE.—In addition to a fine*
19 *for a violation in accordance with paragraph (1), the*
20 *Secretary shall impose a fine on an institution that*
21 *knowingly, willfully, and repeatedly fails to comply*
22 *with the requirements of this section in a second con-*
23 *secutive year in an amount that is not less than*
24 *\$1,000 but not more than \$25,000.*

1 “(3) *THIRD AND ADDITIONAL FAILURES.*—*In ad-*
2 *dition to a fine for a violation in accordance with*
3 *paragraph (1) or (2), the Secretary shall impose a*
4 *fine on an institution that knowingly, willfully, and*
5 *repeatedly fails to comply with the requirements of*
6 *this section in a third consecutive year, or any con-*
7 *secutive year thereafter, in an amount that is not less*
8 *than \$25,000 but not more than \$50,000.*

9 “(4) *ADMINISTRATIVE FAILURES.*—*The Secretary*
10 *shall impose a fine on an institution that fails in 3*
11 *consecutive years to comply with the requirements of*
12 *this section in an amount that is not less than \$250*
13 *but not more than \$25,000.*

14 “(5) *COMPLIANCE PLAN REQUIREMENT.*—*An in-*
15 *stitution that fails to comply with the requirements*
16 *under this section for 2 consecutive years shall be re-*
17 *quired to submit a compliance plan to the Secretary.*

18 “(d) *DEFINITIONS.*—*In this section—*

19 “(1) *the terms ‘foreign source’ and ‘gift’ have the*
20 *meaning given the terms in section 117;*

21 “(2) *the term ‘contract’ means any—*

22 “(A) *agreement for the acquisition by pur-*
23 *chase, lease, or barter of property or services by*
24 *the foreign source, for the direct benefit or use of*
25 *either of the parties; or*

1 “(B) affiliation, agreement, or similar
2 transaction with a foreign source based on the
3 use or exchange of the name, likeness, time, serv-
4 ices, or resources of faculty, professional staff,
5 and other staff engaged in research and develop-
6 ment (as determined by the institution); and

7 “(3) the term ‘professional staff’ means profes-
8 sional employees, as defined in section 3 of the Fair
9 Labor Standards Act of 1938 (29 U.S.C. 203).”.

10 (c) REGULATIONS.—

11 (1) IN GENERAL.—Not later than 1 year after
12 the date of enactment of this Act, the Secretary of
13 Education shall begin the negotiated rulemaking
14 process under section 492 of the Higher Education
15 Act of 1965 (20 U.S.C. 1098a) to carry out the
16 amendments made by subsections (a) and (b).

17 (2) ISSUES.—Regulations issued pursuant to
18 paragraph (1) to carry out the amendment made by
19 subsection (a) shall, at a minimum, address the fol-
20 lowing issues:

21 (A) Instructions on reporting structured
22 gifts and contracts.

23 (B) The inclusion in institutional reports of
24 gifts received from, and contracts entered into
25 with, foreign sources by entities and organiza-

1 *tions, such as research foundations, that operate*
2 *substantially for the benefit or under the aus-*
3 *pices of the institution.*

4 *(C) Procedures to protect confidential or*
5 *proprietary information included in gifts and*
6 *contracts.*

7 *(D) The alignment of such regulations with*
8 *the reporting and disclosure of foreign gifts or*
9 *contracts required by other Federal agencies.*

10 *(E) The treatment of foreign gifts or con-*
11 *tracts involving research or technologies identi-*
12 *fied as being associated with a national security*
13 *risk or concern by the Federal Research Security*
14 *Council as described under section 7902 of title*
15 *31, United States Code, as added by section 4493*
16 *of this Act.*

17 *(3) EFFECTIVE DATE.—The amendments made*
18 *by subsections (a) and (b) shall take effect on the date*
19 *on which the regulations issued under paragraph (1)*
20 *take effect.*

21 **TITLE II—COMMITTEE ON THE**
22 **JUDICIARY PROVISIONS**

23 **SEC. 6201. SHORT TITLE.**

24 *This title may be cited as the “Merger Filing Fee Mod-*
25 *ernization Act of 2021”.*

1 **SEC. 6202. PREMERGER NOTIFICATION FILING FEES.**

2 *Section 605 of Public Law 101–162 (15 U.S.C. 18a*
3 *note) is amended—*

4 *(1) in subsection (b)—*

5 *(A) in paragraph (1)—*

6 *(i) by striking “\$45,000” and inserting*
7 *“\$30,000”;*

8 *(ii) by striking “\$100,000,000” and*
9 *inserting “\$161,500,000”;*

10 *(iii) by striking “2004” and inserting*
11 *“2022”; and*

12 *(iv) by striking “2003” and inserting*
13 *“2021”;*

14 *(B) in paragraph (2)—*

15 *(i) by striking “\$125,000” and insert-*
16 *ing “\$100,000”;*

17 *(ii) by striking “\$100,000,000” and*
18 *inserting “\$161,500,000”;*

19 *(iii) by striking “but less” and insert-*
20 *ing “but is less”; and*

21 *(iv) by striking “and” at the end;*

22 *(C) in paragraph (3)—*

23 *(i) by striking “\$280,000” and insert-*
24 *ing “\$250,000”; and*

25 *(ii) by striking the period at the end*
26 *and inserting “but is less than*

1 \$1,000,000,000 (as so adjusted and pub-
2 lished);”; and

3 (D) by adding at the end the following:

4 “(4) \$400,000 if the aggregate total amount de-
5 termined under section 7A(a)(2) of the Clayton Act
6 (15 U.S.C. 18a(a)(2)) is not less than \$1,000,000,000
7 (as so adjusted and published) but is less than
8 \$2,000,000,000 (as so adjusted and published);

9 “(5) \$800,000 if the aggregate total amount de-
10 termined under section 7A(a)(2) of the Clayton Act
11 (15 U.S.C. 18a(a)(2)) is not less than \$2,000,000,000
12 (as so adjusted and published) but is less than
13 \$5,000,000,000 (as so adjusted and published); and

14 “(6) \$2,250,000 if the aggregate total amount de-
15 termined under section 7A(a)(2) of the Clayton Act
16 (15 U.S.C. 18a(a)(2)) is not less than \$5,000,000,000
17 (as so adjusted and published).”;

18 (2) by adding at the end the following:

19 “(c)(1) For each fiscal year commencing after Sep-
20 tember 30, 2022, the filing fees in this section shall be in-
21 creased each year by an amount equal to the percentage
22 increase, if any, in the Consumer Price Index, as deter-
23 mined by the Department of Labor or its successor, for the
24 year then ended over the level so established for the year
25 ending September 30, 2021.

1 “(2) *As soon as practicable, but not later than Janu-*
 2 *ary 31 of each year, the Federal Trade Commission shall*
 3 *publish the adjusted amounts required by paragraph (1).*

4 “(3) *The Federal Trade Commission shall not adjust*
 5 *amounts required by paragraph (1) if the percentage in-*
 6 *crease described in paragraph (1) is less than 1 percent.*

7 “(4) *An amount adjusted under this section shall be*
 8 *rounded to the nearest multiple of \$5,000.”.*

9 **SEC. 6203. AUTHORIZATION OF APPROPRIATIONS.**

10 *There is authorized to be appropriated for fiscal year*
 11 *2022—*

12 (1) *\$252,000,000 for the Antitrust Division of*
 13 *the Department of Justice; and*

14 (2) *\$418,000,000 for the Federal Trade Commis-*
 15 *sion.*

16 **SEC. 6204. COLLECTION OF DEMOGRAPHIC INFORMATION**
 17 **FOR PATENT INVENTORS.**

18 (a) *AMENDMENT.—Chapter 11 of title 35, United*
 19 *States Code, is amended by adding at the end the following:*

20 **“§ 124. Collection of demographic information for pat-**
 21 **ent inventors**

22 “(a) *VOLUNTARY COLLECTION.—The Director shall*
 23 *provide for the collection of demographic information, in-*
 24 *cluding gender, race, military or veteran status, and any*
 25 *other demographic category that the Director determines*

1 *appropriate, related to each inventor listed with an appli-*
2 *cation for patent, that may be submitted voluntarily by that*
3 *inventor.*

4 “(b) *PROTECTION OF INFORMATION.—The Director*
5 *shall—*

6 “(1) *keep any information submitted under sub-*
7 *section (a) confidential and separate from the appli-*
8 *cation for patent; and*

9 “(2) *establish appropriate procedures to en-*
10 *sure—*

11 “(A) *the confidentiality of any information*
12 *submitted under subsection (a); and*

13 “(B) *that demographic information is not*
14 *made available to examiners or considered in the*
15 *examination of any application for patent.*

16 “(c) *RELATION TO OTHER LAWS.—*

17 “(1) *FREEDOM OF INFORMATION ACT.—Any de-*
18 *mographic information submitted under subsection*
19 *(a) shall be exempt from disclosure under section*
20 *552(b)(3) of title 5.*

21 “(2) *FEDERAL INFORMATION POLICY LAW.—Sub-*
22 *chapter I of chapter 35 of title 44 shall not apply to*
23 *the collection of demographic information under sub-*
24 *section (a).*

25 “(d) *PUBLICATION OF DEMOGRAPHIC INFORMATION.—*

1 “(1) *REPORT REQUIRED.*—Not later than 1 year
2 after the date of enactment of this section, and not
3 later than January 31 of each year thereafter, the Di-
4 rector shall make publicly available a report that, ex-
5 cept as provided in paragraph (3)—

6 “(A) includes the total number of patent ap-
7 plications filed during the previous year
8 disaggregated—

9 “(i) by demographic information de-
10 scribed in subsection (a); and

11 “(ii) by technology class number, tech-
12 nology class title, country of residence of the
13 inventor, and State of residence of the in-
14 ventor in the United States;

15 “(B) includes the total number of patents
16 issued during the previous year disaggregated—

17 “(i) by demographic information de-
18 scribed in subsection (a); and

19 “(ii) by technology class number, tech-
20 nology class title, country of residence of the
21 inventor, and State of residence of the in-
22 ventor in the United States; and

23 “(C) includes a discussion of the data collec-
24 tion methodology and summaries of the aggregate
25 responses.

1 “(2) *DATA AVAILABILITY.*—*In conjunction with*
2 *issuance of the report under paragraph (1), the Direc-*
3 *tor shall make publicly available data based on the*
4 *demographic information collected under subsection*
5 *(a) that, except as provided in paragraph (3), allows*
6 *the information to be cross-tabulated to review sub-*
7 *groups.*

8 “(3) *PRIVACY.*—*The Director—*

9 “(A) *may not include personally identifying*
10 *information in—*

11 “(i) *the report made publicly available*
12 *under paragraph (1); or*

13 “(ii) *the data made publicly available*
14 *under paragraph (2); and*

15 “(B) *in making publicly available the re-*
16 *port under paragraph (1) and the data under*
17 *paragraph (2), shall anonymize any personally*
18 *identifying information related to the demo-*
19 *graphic information collected under subsection*
20 *(a).*

21 “(e) *BIENNIAL REPORT.*—*Not later than 2 years after*
22 *the date of enactment of this section, and every 2 years*
23 *thereafter, the Director shall submit to Congress a biennial*
24 *report that evaluates the data collection process under this*

1 *section, ease of access to the information by the public, and*
 2 *recommendations on how to improve data collection.”.*

3 (b) *TECHNICAL AND CONFORMING AMENDMENT.*—*The*
 4 *table of sections at the beginning of chapter 11 of title 35,*
 5 *United States Code, is amended by adding at the end the*
 6 *following:*

“124. Collection of demographic information for patent inventors.”.

7 ***TITLE III—MISCELLANEOUS***

8 ***SEC. 6301. ENHANCING ENTREPRENEURSHIP FOR THE 21ST***
 9 ***CENTURY.***

10 (a) *DEFINITIONS.*—*In this section:*

11 (1) *APPROPRIATE COMMITTEES OF CONGRESS.*—
 12 *The term “appropriate committees of Congress”*
 13 *means—*

14 (A) *the Committee on Commerce, Science,*
 15 *and Transportation of the Senate; and*

16 (B) *the Committee on Energy and Com-*
 17 *merce of the House of Representatives.*

18 (2) *ENTREPRENEUR.*—*The term “entrepreneur”*
 19 *means an individual who founded, or is a member of*
 20 *a group that founded, a United States business.*

21 (3) *SECRETARY.*—*The term “Secretary” means*
 22 *the Secretary of Commerce.*

23 (4) *UNITED STATES BUSINESS.*—*The term*
 24 *“United States business” means a corporation, part-*
 25 *nership, association, joint-stock company, business*

1 *trust, unincorporated organization, or sole proprietor-*
2 *ship that—*

3 *(A) has its principal place of business in*
4 *the United States; or*

5 *(B) is organized under the laws of a State*
6 *of the United States or a territory, possession, or*
7 *commonwealth of the United States.*

8 *(b) FINDINGS.—Congress finds the following:*

9 *(1) Recent research has demonstrated that—*

10 *(A) new businesses (commonly referred to as*
11 *“startups”)—*

12 *(i) are disproportionately responsible*
13 *for the innovations that drive economic*
14 *growth; and*

15 *(ii) account for virtually all net new*
16 *job creation;*

17 *(B) the rate of formation of United States*
18 *businesses has fallen significantly in recent*
19 *years; and*

20 *(C) as determined by widely cited research,*
21 *the decline in the rate described in subparagraph*
22 *(B) is occurring in all 50 States, in all but a*
23 *handful of 360 metro areas examined, and across*
24 *a broad range of industry sectors.*

1 (2) *Before policymakers can identify ways in*
2 *which the decline in the rate described in paragraph*
3 *(1)(B) may be counteracted, the underlying causes of*
4 *the decline must be identified.*

5 (3) *Economists have identified several factors*
6 *that may explain the decline in the rate described in*
7 *paragraph (1)(B), including—*

8 (A) *demographic changes caused by an*
9 *aging workforce and slowing population growth;*

10 (B) *increased industry concentration that*
11 *may make it more difficult for new market en-*
12 *trants to compete with established companies;*

13 (C) *increased risk-aversion following the fi-*
14 *nancial crisis and recession that occurred in*
15 *2008 and 2009 and deterioration of household*
16 *balance sheets;*

17 (D) *difficulties relating to access to capital,*
18 *particularly difficulties encountered by under-*
19 *served populations, women, and members of mi-*
20 *nority groups;*

21 (E) *the concentration of venture capital in*
22 *only a few cities;*

23 (F) *record levels of student debt; and*

1 (G) inefficiencies or other difficulties relat-
2 ing to the commercialization of federally funded
3 research and innovation.

4 (c) ASSESSMENT AND ANALYSIS.—

5 (1) ASSESSMENT AND ANALYSIS REQUIRED.—Not
6 later than 2 years after the date of enactment of this
7 Act, the Secretary, in consultation with the Director
8 of the Bureau of the Census and the Director of the
9 Bureau of Economic Analysis of the Department of
10 Commerce, shall conduct an assessment and analysis
11 regarding the reasons for the state of the formation of
12 new United States businesses during a period—

13 (A) that the Secretary determines appro-
14 priate based on the data described in paragraph
15 (2)(A)(i); and

16 (B) ending on the date on which the assess-
17 ment and analysis is conducted.

18 (2) CONSIDERATIONS AND CONSULTATION.—

19 (A) IN GENERAL.—In conducting the assess-
20 ment and analysis required under paragraph
21 (1), the Secretary shall—

22 (i) notwithstanding any other provi-
23 sion of Federal law, and subject to subpara-
24 graph (B), review data collected and main-
25 tained by—

- 1 (I) *the Bureau of the Census;*
2 (II) *the Bureau of Economic*
3 *Analysis;*
4 (III) *the Bureau of Labor Statis-*
5 *tics;*
6 (IV) *the Small Business Adminis-*
7 *tration;*
8 (V) *the Department of the Treas-*
9 *ury;*
10 (VI) *the Board of Governors of the*
11 *Federal Reserve System; and*
12 (VII) *any other Federal or State*
13 *agency, or public or private sector or-*
14 *ganization, that the Secretary deter-*
15 *mines appropriate;*
16 (ii) *with respect to the formation of*
17 *new United States businesses, consider the*
18 *impact of—*
19 (I) *demographic changes caused*
20 *by an aging workforce and slowing*
21 *population growth;*
22 (II) *increased industry concentra-*
23 *tion and whether such concentration*
24 *may make it more difficult for new*

1 *market entrants to compete with estab-*
2 *lished companies;*

3 *(III) increased risk-aversion fol-*
4 *lowing the financial crisis and reces-*
5 *sion that occurred in 2008 and 2009*
6 *and deterioration of household balance*
7 *sheets;*

8 *(IV) difficulties relating to access*
9 *to capital, particularly difficulties en-*
10 *countered by underserved populations,*
11 *women, and members of minority*
12 *groups;*

13 *(V) the concentration of venture*
14 *capital in only a few cities;*

15 *(VI) record levels of student debt;*

16 *(VII) inefficiencies or other dif-*
17 *ficulties relating to the commercializa-*
18 *tion of federally funded research and*
19 *innovation;*

20 *(VIII) the use of federally funded*
21 *research and innovation in the com-*
22 *mercial market;*

23 *(IX) regulatory burden, overlap,*
24 *complexity, and uncertainty at the*
25 *Federal and State levels;*

1 (X) *aspects of the Internal Revenue Code of 1986 that penalize, obstruct, or otherwise disadvantage new businesses, or investors in new businesses, relative to incumbent businesses, or investors in incumbent businesses, respectively;*

2 (XI) *foreign-born entrepreneurs and the impact of those entrepreneurs on job creation; and*

3 (XII) *any other factor that the Secretary determines appropriate; and*
4 (iii) *consult with—*

5 (I) *the heads of any agencies and offices of the Federal Government that the Secretary determines appropriate, including—*

6 (aa) *the Secretary of the Treasury;*

7 (bb) *the Secretary of Labor;*

8 (cc) *the Administrator of the Small Business Administration;*

9 (dd) *the Chief Counsel of the Office of Advocacy of the Small Business Administration; and*

1 *(ee) the Board of Governors*
2 *of the Federal Reserve System;*

3 *(II) entrepreneurs, including en-*
4 *trepreneurs who are women or mem-*
5 *bers of minority groups, and especially*
6 *entrepreneurs who founded United*
7 *States businesses that experienced*
8 *rapid growth; and*

9 *(III) representatives from con-*
10 *sumer, community, and entrepreneur-*
11 *ship advocacy organizations.*

12 *(B) CONFIDENTIALITY.—With respect to*
13 *data reviewed by the Secretary under subpara-*
14 *graph (A)(i), the Secretary shall ensure that the*
15 *data is subject to the same confidentiality re-*
16 *quirements and protections as the confidentiality*
17 *requirements and protections of the agency or en-*
18 *tity, as applicable, providing the data.*

19 *(3) REPORT.—The Secretary shall submit to the*
20 *appropriate committees of Congress a report regard-*
21 *ing the findings of the Secretary with respect to the*
22 *assessment and analysis conducted under paragraph*
23 *(1).*

1 **SEC. 6302. PROHIBITION ON FEDERAL FUNDING FOR**
2 **WUHAN INSTITUTE OF VIROLOGY.**

3 *Notwithstanding any other provision of law, no Fed-*
4 *eral funding may be made available to the Wuhan Institute*
5 *of Virology located in the City of Wuhan in the People's*
6 *Republic of China.*

7 **SEC. 6303. ENFORCEMENT OF INTELLECTUAL PROPERTY**
8 **PROVISIONS OF ECONOMIC AND TRADE**
9 **AGREEMENT BETWEEN THE GOVERNMENT OF**
10 **THE UNITED STATES OF AMERICA AND THE**
11 **GOVERNMENT OF CHINA.**

12 *(a) SENSE OF CONGRESS.—It is the sense of Congress*
13 *that—*

14 *(1) the Agreement includes significant mandates*
15 *for the People's Republic of China related to its do-*
16 *mestic intellectual property regime, including with*
17 *respect to copyrights, trademarks, trade secrets, and*
18 *patents;*

19 *(2) the changes included in the Agreement, if im-*
20 *plemented effectively, should improve the domestic in-*
21 *tellectual property framework of the People's Republic*
22 *of China, which has historically proven to harm the*
23 *innovation and creative communities in the United*
24 *States;*

25 *(3) despite commitments made by the Govern-*
26 *ment of the People's Republic of China under the*

1 *Agreement, ongoing market access barriers, uneven*
2 *enforcement, measures requiring forced technology*
3 *transfer, and serious deficiencies in the rule of law*
4 *continue to make the business environment in the*
5 *People’s Republic of China highly challenging for*
6 *rights holders in the United States;*

7 *(4) as reflected in the 2021 report by the United*
8 *States Trade Representative required under section*
9 *182(h) of the Trade Act of 1974 (19 U.S.C. 2242(h))*
10 *(commonly referred to as the “Special 301 Report”),*
11 *the People’s Republic of China has consistently been*
12 *listed in that annual report since 1989 as a trading*
13 *partner of the United States that “fails to provide*
14 *adequate and effective IP protection and enforcement*
15 *for U.S. inventors, creators, brands, manufacturers,*
16 *and service providers, which, in turn, harm American*
17 *workers”;* and

18 *(5) Congress encourages the United States Trade*
19 *Representative, the Attorney General, the Secretary of*
20 *State, the Secretary of Homeland Security, the Sec-*
21 *retary of Commerce, and the Director of the United*
22 *States Patent and Trademark Office—*

23 *(A) to use all available tools to ensure that*
24 *the People’s Republic of China fully implements*
25 *its commitments under the Agreement; and*

1 *(B) to actively consider additional means to*
2 *require the People’s Republic of China to address*
3 *unfair market access barriers, forced technology*
4 *transfer requirements, and broader intellectual*
5 *property theft concerns, including through future*
6 *trade agreements and working with partners in*
7 *multilateral organizations, such as the Group of*
8 *7 (G7), the Group of 20 (G20), and the World*
9 *Trade Organization.*

10 ***(b) ENFORCEMENT OF AGREEMENT.—****The President,*
11 *acting through the United States Trade Representative,*
12 *shall coordinate with the heads of such Federal agencies as*
13 *the President considers appropriate to enforce the actions*
14 *related to intellectual property laid out in the Agreement*
15 *including—*

16 *(1) the civil, administrative, and criminal proce-*
17 *dures and deterrent-level civil and criminal penalties*
18 *provided in the Agreement; and*

19 *(2) by using the full enforcement authority of the*
20 *President, including any enforcement authority in*
21 *connection with the identification and reporting proc-*
22 *ess under section 182 of the Trade Act of 1974 (19*
23 *U.S.C. 2242).*

24 ***(c) REPORT ON STATUS OF IMPLEMENTATION OF CER-***
25 ***TAIN OBLIGATIONS.—***

1 (1) *IN GENERAL.*—Not later than 180 days after
2 the date of the enactment of this Act, and every 180
3 days thereafter, the United States Trade Representa-
4 tive shall submit to the appropriate committees of
5 Congress a report on the status of the implementation
6 by the People’s Republic of China of its obligations
7 under Chapter 1 of the Agreement.

8 (2) *INFORMATION IN REPORT.*—Each report re-
9 quired by paragraph (1) shall contain information
10 sufficient to enable the appropriate committees of
11 Congress to assess the extent of the compliance by the
12 People’s Republic of China with the Agreement, in-
13 cluding appropriate quantitative metrics.

14 (d) *DEFINITIONS.*—In this section:

15 (1) *AGREEMENT.*—The term “Agreement” means
16 the Economic and Trade Agreement Between the Gov-
17 ernment of the United States of America and the Gov-
18 ernment of China, dated January 15, 2020.

19 (2) *APPROPRIATE COMMITTEES OF CONGRESS.*—
20 The term “appropriate committees of Congress”
21 means the Committee on Finance of the Senate and
22 the Committee on Ways and Means of the House of
23 Representatives.

1 **SEC. 6304. FINDINGS AND SENSE OF THE SENATE REGARD-**
2 **ING AN INVESTIGATION TO DETERMINE THE**
3 **ORIGINS OF COVID-19.**

4 *(a) FINDINGS.—Congress finds the following:*

5 *(1) COVID-19 has taken the lives of nearly*
6 *3,500,000 individuals around the world.*

7 *(2) Understanding the origins of the COVID-19*
8 *pandemic is essential to addressing our*
9 *vulnerabilities and preventing future crises.*

10 *(3) In May 2020, the World Health Assembly did*
11 *not authorize a comprehensive investigation into the*
12 *origins of COVID-19, and instead passed a signifi-*
13 *cantly limited compromise resolution, with Chinese*
14 *government support, which did not explicitly include*
15 *in its scope the possibility of a research-related acci-*
16 *dent.*

17 *(4) The 2020 World Health Assembly resolution*
18 *and its terms of reference, which were negotiated pri-*
19 *vately between the World Health Organization (in*
20 *this section referred to as “WHO”) and Chinese au-*
21 *thorities, handed the Chinese government control over*
22 *the joint-study process by giving the Chinese govern-*
23 *ment veto power over which international experts*
24 *were allowed to participate in the joint study and by*
25 *agreeing that most primary research would be carried*

1 *out by Chinese teams without ensuring broad access*
2 *to primary data by international experts.*

3 *(5) As a result of these terms, the significant*
4 *structural, procedural, and analytical shortcomings of*
5 *the joint study, and the severe restrictions imposed by*
6 *Chinese authorities, the WHO-convened joint study*
7 *into the origins of COVID–19 was prevented from*
8 *providing a balanced consideration of the multiple*
9 *theories of the origin of COVID–19.*

10 *(6) Only 4 of the 313 pages of the joint-study*
11 *team report and its annexes addressed the possibility*
12 *of a laboratory accident, and no thorough examina-*
13 *tion of the lab incident hypothesis was carried out by*
14 *the joint-study team.*

15 *(7) Some of the international experts on the*
16 *joint-study team stated that they lacked the means*
17 *and resources to properly investigate the research-re-*
18 *lated accident hypothesis, and they were neither able*
19 *nor meant to do such a full investigation but instead*
20 *were acting as a “study review group”.*

21 *(8) WHO Director-General Dr. Tedros Adhanom*
22 *Ghebreyesus commented on March 30, 2021, the day*
23 *the joint-study report was released, “I do not believe*
24 *that [the joint-study team’s] assessment [of a possible*
25 *lab incident] was extensive enough. Further data and*

1 *studies will be needed to reach more robust conclu-*
2 *sions . . . potentially with additional missions in-*
3 *volving specialist experts, which I am ready to de-*
4 *ploy.”.*

5 (9) *The WHO Director-General further com-*
6 *mented, “As far as WHO is concerned all hypotheses*
7 *remain on the table . . . We have not yet found the*
8 *source of the virus, and we must continue to follow*
9 *the science and leave no stone unturned as we do . . .*
10 *It is clear that we need more research across a range*
11 *of areas, which will entail further field visits.”.*

12 (10) *The March 30, 2021 Joint Statement on the*
13 *WHO-convened COVID–19 Origins Study by the*
14 *United States and 13 other countries recognized the*
15 *severe shortcomings of the joint-study process and*
16 *called for “a transparent and independent analysis*
17 *and evaluation, free from interference and undue in-*
18 *fluence.”.*

19 (11) *In spite of the devastation the COVID–19*
20 *pandemic has caused in the United States and*
21 *around the world, no process currently exists to en-*
22 *sure a comprehensive investigation into the source of*
23 *COVID–19.*

24 (12) *Such an investigation is essential for ensur-*
25 *ing this type of crisis never happens again for the*

1 *benefit of all people, all nations, and future genera-*
2 *tions.*

3 *(b) SENSE OF THE SENATE.—It is the sense of the Sen-*
4 *ate that—*

5 *(1) a comprehensive investigation to determine*
6 *the origins of COVID–19 must be conducted by WHO*
7 *immediately, with access to all relevant records, sam-*
8 *ples, and personnel in China, and that such inves-*
9 *tigation must fully explore all possible sources of the*
10 *COVID–19 pandemic, including exclusively “natural”*
11 *zoonosis in the wild, human contamination in an*
12 *animal farm, and a research-related accident;*

13 *(2) the United States delegation to the World*
14 *Health Assembly should, in concert with allies and*
15 *partners around the world, work to ensure that an*
16 *international scientific investigation into the origins*
17 *of COVID–19, with full access to all relevant records,*
18 *samples, and personnel in China, will be authorized*
19 *by the World Health Assembly and implemented with*
20 *extreme urgency; and*

21 *(3) should such a full investigation not be au-*
22 *thorized by the 2021 World Health Assembly, then the*
23 *United States Government should immediately begin*
24 *planning a comprehensive and data-driven investiga-*
25 *tion into the COVID–19 pandemic origins, in concert*

1 *with willing partner governments and experts around*
 2 *the world.*

3 ***DIVISION G—TRADE ACT OF 2021***

4 ***SEC. 70001. SHORT TITLE; TABLE OF CONTENTS.***

5 (a) *SHORT TITLE.*—*This division may be cited as the*
 6 *“Trade Act of 2021”.*

7 (b) *TABLE OF CONTENTS.*—*The table of contents for*
 8 *this division is as follows:*

Sec. 70001. Short title; table of contents.

Sec. 70002. Appropriate congressional committees defined.

TITLE I—TRADING CONSISTENT WITH AMERICAN VALUES

Subtitle A—Preventing Importation of Goods Produced by Forced Labor

Sec. 71001. Investigations of allegations of goods produced by forced labor.

Sec. 71002. Preventing importation of seafood and seafood products harvested or produced using forced labor.

Subtitle B—Addressing Censorship and Barriers to Digital Trade

Sec. 71011. Censorship as a trade barrier.

Sec. 71012. Designation of official responsible for monitoring unfair trade practices of suppliers of information and communications equipment.

Sec. 71013. Negotiation of digital trade agreements.

Subtitle C—Protecting Innovators and Consumers

Sec. 71021. Technical and legal support for addressing intellectual property rights infringement cases.

Sec. 71022. Improvement of anti-counterfeiting measures.

Sec. 71023. Reports on chicken, beef, and other meat imports.

Sec. 71024. Joint enforcement with allies with respect to importation of goods made with stolen intellectual property.

Sec. 71025. Sense of Congress and report on ensuring reliable supply of rare earth minerals.

Subtitle D—Ensuring a Level Playing Field

Sec. 71031. Report on manner and extent to which the Government of the People’s Republic of China exploits Hong Kong to circumvent United States laws and protections.

Sec. 71032. Assessment of overcapacity of industries in the People’s Republic of China.

Sec. 71033. Duties of Interagency Center on Trade Implementation, Monitoring, and Enforcement.

Sec. 71034. Briefing on report related to process for excluding articles imported from the People's Republic of China from certain duties imposed under section 301 of the Trade Act of 1974.

TITLE II—ENSURING RESILIENCY IN CRITICAL SUPPLY CHAINS

Sec. 72001. Facilitating trade in essential supplies.

Sec. 72002. Supply chain database and toolkit.

TITLE III—IMPROVING TRANSPARENCY AND ADMINISTRATION OF TRADE PROGRAMS AND OVERSIGHT AND ACCOUNTABILITY OF TRADE AGENCIES

Sec. 73001. Process for exclusion of articles from duties under section 301 of the Trade Act of 1974.

Sec. 73002. Enhanced congressional oversight of the United States Trade Representative and the Department of Commerce.

Sec. 73003. Establishment of Inspector General of the Office of the United States Trade Representative.

Sec. 73004. Authority of U.S. Customs and Border Protection to consolidate, modify, or reorganize customs revenue functions.

Sec. 73005. Protection from public disclosure of personally identifiable information contained in manifests.

Sec. 73006. Sense of Congress on leadership at World Trade Organization.

TITLE IV—PROMOTING AMERICAN COMPETITIVENESS

Subtitle A—Reauthorization and Reform of Generalized System of Preferences

Sec. 74001. Modification of eligibility criteria for beneficiary developing countries.

Sec. 74002. Supplemental reviews and reporting.

Sec. 74003. Extension of Generalized System of Preferences.

Subtitle B—Temporary Duty Suspensions and Reductions

Sec. 74011. Reference.

PART I—NEW DUTY SUSPENSIONS AND REDUCTIONS

Sec. 74021. Shelled pine nuts.

Sec. 74022. Licorice extract.

Sec. 74023. Refined Carrageenan.

Sec. 74024. Irish dairy chocolate crumb.

Sec. 74025. Pepperoncini, preserved in vinegar.

Sec. 74026. Coconut water in PET bottles.

Sec. 74027. 9,11-Octadecadienoic acid.

Sec. 74028. Liquid galacto-oligosaccharides.

Sec. 74029. Beverage containing coconut water.

Sec. 74030. Animal feed additive containing guanidinoacetic acid.

Sec. 74031. Tungsten concentrate.

Sec. 74032. Piperylene.

Sec. 74033. Normal paraffin M (alkanes C10–C14).

Sec. 74034. Neodymium (Nd) metal.

Sec. 74035. Praseodymium (Pr) metal.

Sec. 74036. Heavy rare earth metals, dysprosium (Dy) metal and terbium (Tb) metal.

Sec. 74037. Scandium crystal.

- Sec. 74038. *Hexafluorotitanic acid.*
Sec. 74039. *Silica gel cat litter with tray.*
Sec. 74040. *Dioxosilane spherical particles (mean particle size 0.046–0.054 mm).*
Sec. 74041. *Silica gel cat litter.*
Sec. 74042. *Sulfuryl dichloride.*
Sec. 74043. *FS-10D acicular electroconductive tin oxide.*
Sec. 74044. *Certain potassium fluoride.*
Sec. 74045. *Other potassium fluoride.*
Sec. 74046. *LiPF₆.*
Sec. 74047. *LiPO₂F₂.*
Sec. 74048. *Ammonium fluoroborate.*
Sec. 74049. *Sodium tetrafluoroborate.*
Sec. 74050. *Ferric chloride.*
Sec. 74051. *Ferrous chloride.*
Sec. 74052. *Cupric chloride dihydrate.*
Sec. 74053. *Copper chloride anhydrous.*
Sec. 74054. *Manganese chloride anhydrous.*
Sec. 74055. *Manganese chloride tetrahydrate.*
Sec. 74056. *Reducing agent.*
Sec. 74057. *Manganese carbonate.*
Sec. 74058. *Potassium tetraborate.*
Sec. 74059. *Potassium pentaborate.*
Sec. 74060. *Ammonium thiocyanate.*
Sec. 74061. *Modified amine complex of boron trifluoride.*
Sec. 74062. *Trichlorosilane.*
Sec. 74063. *1,3-Dichloropropene.*
Sec. 74064. *Hexafluoroisobutylene (HFIB).*
Sec. 74065. *1,1,1,2,2,3,3,4,4,5,5,6,6-Tridecafluoro-8-iodooctane.*
Sec. 74066. *Ethyl benzyl chloride.*
Sec. 74067. *Perfluoroalkyl sulfonate.*
Sec. 74068. *D-Mannitol.*
Sec. 74069. *3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctan-1-ol.*
Sec. 74070. *Phenyl isopropanol.*
Sec. 74071. *Hydroxytyrosol.*
Sec. 74072. *1,6-Dihydroxynaphthalene.*
Sec. 74073. *Antioxidant for plastics and rubber.*
Sec. 74074. *Tolhydroquinone (THQ).*
Sec. 74075. *1,1,1-Tris(4-hydroxyphenyl)ethane.*
Sec. 74076. *mPEG6-mesylate.*
Sec. 74077. *Monoethylene glycol dimethyl ether.*
Sec. 74078. *Diethylene glycol dimethyl ether.*
Sec. 74079. *Diethylene glycol dibutyl ether.*
Sec. 74080. *Tetraethylene glycol dimethyl ether.*
Sec. 74081. *Glycol diether.*
Sec. 74082. *Diglycidyl resorcinol ether.*
Sec. 74083. *Allyl glycidyl ether.*
Sec. 74084. *Vinylcyclohexane monoxide.*
Sec. 74085. *Technical grade of butyl glycidyl ether.*
Sec. 74086. *Aliphatic glycidyl ether.*
Sec. 74087. *Diglycidyl ether of 1,4-butanediol.*
Sec. 74088. *Technical grade of the glycidyl ether of cyclohexane dimethanol.*
Sec. 74089. *Glycidyl ester of neodecanoic acid.*
Sec. 74090. *Cumaldehyde.*
Sec. 74091. *Cyprinal.*
Sec. 74092. *Sodium o-formylbenzenesulfonate.*

- Sec. 74093. *Acetylacetone.*
Sec. 74094. *Acetyl propionyl.*
Sec. 74095. *Alpha ionone.*
Sec. 74096. *2,3,4,5 Tetramethylcyclopent-2-enone.*
Sec. 74097. *Menthone.*
Sec. 74098. *L-Carvone.*
Sec. 74099. *Benzoin.*
Sec. 74100. *Methyl cyclopentenolone.*
Sec. 74101. *2,4-Dihydroxy-1,5-dibenzoylbenzene.*
Sec. 74102. *Difluorobenzophenone (DFBP).*
Sec. 74103. *PTMI.*
Sec. 74104. *Metrafenone.*
Sec. 74105. *Hexachloroacetone.*
Sec. 74106. *Fire suppression agent.*
Sec. 74107. *D(+)-10-Camphor sulfonic acid.*
Sec. 74108. *Benzyl acetate.*
Sec. 74109. *Propylene glycol diacetate.*
Sec. 74110. *Isopropenyl acetate.*
Sec. 74111. *Diacetin.*
Sec. 74112. *Cocoamine.*
Sec. 74113. *Caprylic acid 98%.*
Sec. 74114. *Fine zinc myristate powder.*
Sec. 74115. *Fine magnesium myristate powder.*
Sec. 74116. *Dipentaerythrityl hexahydroxystearate/hexastearate/hexarosinate.*
Sec. 74117. *Polyglyceryl-2 triisostearate.*
Sec. 74118. *Neopentyl glycol diethylhexanoate.*
Sec. 74119. *Isononyl isononate.*
Sec. 74120. *Acetyl chloride.*
Sec. 74121. *Potassium sorbate.*
Sec. 74122. *Vinyl chloroformate.*
Sec. 74123. *Permethrin.*
Sec. 74124. *Sodium benzoate.*
Sec. 74125. *Benzoic acid, flake.*
Sec. 74126. *Diethylene glycol dibenzoate.*
Sec. 74127. *Methyl benzoate.*
Sec. 74128. *m-Nitrobenzoic acid sodium salt.*
Sec. 74129. *p-Nitrobenzoic acid.*
Sec. 74130. *4-tert Butylbenzoic acid.*
Sec. 74131. *Sodium adipate.*
Sec. 74132. *Dimethyl sebacate (DMS).*
Sec. 74133. *Dodecanedioic acid.*
Sec. 74134. *Polyhydroxystearic acid of low acid value.*
Sec. 74135. *Undecanedioic acid.*
Sec. 74136. *Hexadecanedioic acid.*
Sec. 74137. *Tetradecanedioic acid.*
Sec. 74138. *Pentadecanedioic acid.*
Sec. 74139. *Tridecanedioic acid.*
Sec. 74140. *Methyl 1-(methoxycarbonyl)cyclopropanecarboxylate (CPDM).*
Sec. 74141. *Calcium HHPA.*
Sec. 74142. *Diethyl phthalate.*
Sec. 74143. *Ammonium lactate.*
Sec. 74144. *Triethyl 2-hydroxypropane-1,2,3-tricarboxylate.*
Sec. 74145. *Diisostearyl malate.*
Sec. 74146. *Salicylic acid.*
Sec. 74147. *Hexyl salicylate.*

- Sec. 74148. *Alpha-ketoglutaric acid.*
Sec. 74149. *MCPB herbicide.*
Sec. 74150. *2,4-D Butoxyethylester.*
Sec. 74151. *2-(2,4-Dichlorophenoxy)acetic acid.*
Sec. 74152. *Diglycolic acid 98%.*
Sec. 74153. *Tri-iso-butyl phosphate (TiBP).*
Sec. 74154. *Trimethylphosphite.*
Sec. 74155. *Organic phosphite.*
Sec. 74156. *Diethyl sulfate.*
Sec. 74157. *Diethyl carbonate.*
Sec. 74158. *Ethyl methyl carbonate.*
Sec. 74159. *Tetradecoxycarbonyloxy tetradecyl carbonate.*
Sec. 74160. *Dicetyl peroxydicarbonate.*
Sec. 74161. *Tetraethyl silicate.*
Sec. 74162. *tert-Octylamine.*
Sec. 74163. *Octadecylamine.*
Sec. 74164. *N'-(3-Aminopropyl)-N'-dodecylpropane-1,3-diamine.*
Sec. 74165. *1,10-Diaminodecane.*
Sec. 74166. *1,5-Pentanediamine.*
Sec. 74167. *Dicyclohexylamine.*
Sec. 74168. *Amantadine hydrochloride 99%.*
Sec. 74169. *N,N-Dimethylaniline.*
Sec. 74170. *Paranitroaniline (PNA).*
Sec. 74171. *Dicloran.*
Sec. 74172. *N,N-Dimethyl-p-toluidine.*
Sec. 74173. *Pendimethalin technical.*
Sec. 74174. *Benzyl dimethylamine.*
Sec. 74175. *Diphenyl diphenylene diamine.*
Sec. 74176. *Curative for epoxy resin systems.*
Sec. 74177. *TFMB.*
Sec. 74178. *S-N-Alkyl-anilin.*
Sec. 74179. *p-Cresidine.*
Sec. 74180. *Iminodiacetic acid.*
Sec. 74181. *11 Aminoundecanoic acid.*
Sec. 74182. *L-Ornithine L-aspartate.*
Sec. 74183. *Iron sodium DTPA.*
Sec. 74184. *Iron glycinate complex.*
Sec. 74185. *Copper glycinate complex.*
Sec. 74186. *Zinc glycinate complex.*
Sec. 74187. *Manganese glycinate complex.*
Sec. 74188. *Iron sodium EDDHA.*
Sec. 74189. *DMF-DMA.*
Sec. 74190. *Mixtures of DMSO and tetrabutyl ammonium fluoride.*
Sec. 74191. *Betaine.*
Sec. 74192. *Prolonium chloride in aqueous solution.*
Sec. 74193. *N,N-Dimethylacetamide.*
Sec. 74194. *N,N-Dimethylformamide.*
Sec. 74195. *DAAM.*
Sec. 74196. *L-Alanyl L-glutamine.*
Sec. 74197. *Granular acrylamido-tert-butyl sulfonic acid (ATBS).*
Sec. 74198. *Glycyl-L-glutamine hydrate.*
Sec. 74199. *Noviflumuron.*
Sec. 74200. *Propanil technical.*
Sec. 74201. *Hexaflumuron.*
Sec. 74202. *Stabilizer for plastics and rubber.*

- Sec. 74203. *2-Amino-5-chloro-N,3-dimethylbenzamide.*
- Sec. 74204. *Glycyl-L-tyrosine dihydrate.*
- Sec. 74205. *L-Alanyl-L-tyrosine.*
- Sec. 74206. *Enzalutamide ITS-2.*
- Sec. 74207. *4-Bromo-2-fluoro-N-methylbenzamide.*
- Sec. 74208. *N-Boc-1-aminocyclobutanecarboxylic acid.*
- Sec. 74209. *N'-(1,3-dimethylbutylidene)-3-hydroxy-2-naphthohydrazide (BMH)*
(oil treated).
- Sec. 74210. *Guanidine sulfamate.*
- Sec. 74211. *Liquid, blocked cycloaliphatic diamine used as crosslinker for polyisocyanate resins.*
- Sec. 74212. *3,4-Difluorobenzonitrile.*
- Sec. 74213. *2-Amino-5-cyano-N,3-dimethylbenzamide.*
- Sec. 74214. *TFMPA.*
- Sec. 74215. *Dimethyl 2,2'-Azobisisobutyrate.*
- Sec. 74216. *Antioxidant/metal deactivator.*
- Sec. 74217. *Benzyl carbazate.*
- Sec. 74218. *Benzene-1,3-dicarbohydrazide.*
- Sec. 74219. *Input for resins, coatings, and other products.*
- Sec. 74220. *Aldicarb.*
- Sec. 74221. *Flubendiamide.*
- Sec. 74222. *Benzobicyclon.*
- Sec. 74223. *Diphenylsulfone (DPS).*
- Sec. 74224. *Phenolic antioxidant.*
- Sec. 74225. *Phenolic antioxidant and heat stabilizer.*
- Sec. 74226. *Phenylchlorothioformate (PTCFM).*
- Sec. 74227. *Methylene bis thiocyanate.*
- Sec. 74228. *Oxamyl.*
- Sec. 74229. *L-Cystine.*
- Sec. 74230. *L-Cysteine.*
- Sec. 74231. *N,N'-Bis-L-alanyl-L-cystine.*
- Sec. 74232. *Lubricant additive.*
- Sec. 74233. *Sodium benzenesulfinate.*
- Sec. 74234. *Thio-ether based co-stabilizer for plastics.*
- Sec. 74235. *L-Cysteine hydrate hydrochloride.*
- Sec. 74236. *Dimercaprol.*
- Sec. 74237. *Monoammonium salt of glyphosate.*
- Sec. 74238. *THPC.*
- Sec. 74239. *Flame retardant for textiles.*
- Sec. 74240. *Glyphosate.*
- Sec. 74241. *Ethephon.*
- Sec. 74242. *Benzene phosphinic acid.*
- Sec. 74243. *HEDP.*
- Sec. 74244. *Trimethylchlorosilane.*
- Sec. 74245. *Chloro-(chloromethyl)-dimethylsilane.*
- Sec. 74246. *Silicone for electronics cleaners.*
- Sec. 74247. *Silicon carrier fluid for active lotions, creams.*
- Sec. 74248. *Vinyltrimethoxysilane.*
- Sec. 74249. *n-Octyltriethoxysilane.*
- Sec. 74250. *Dimethylbis(s-butylamino)silane.*
- Sec. 74251. *Aqueous solution of potassium methyl silicate.*
- Sec. 74252. *Octyltrimethoxysilane.*
- Sec. 74253. *Octyltriethoxysilane.*
- Sec. 74254. *Amino-propyl-triethoxysilane.*
- Sec. 74255. *Methyltris(sec-butylamino)silane.*

- Sec. 74256. *Methyltris(methylethylketoximino)silane (MOS).*
- Sec. 74257. *Heptamethyltrisiloxane.*
- Sec. 74258. *Tetramethyldisiloxane.*
- Sec. 74259. *Dimethylchlorosilane.*
- Sec. 74260. *Dichloromethylsilane.*
- Sec. 74261. *Tris(TFP)-methylcyclo-trisiloxane DR.*
- Sec. 74262. *Tetravinyltetramethylcyclotetrasiloxane.*
- Sec. 74263. *Divinyltetramethylsiloxane.*
- Sec. 74264. *Input for plant protection agent.*
- Sec. 74265. *Strawberry furanone.*
- Sec. 74266. *Emamectin benzoate.*
- Sec. 74267. *Gibberellic acid.*
- Sec. 74268. *Rose oxide.*
- Sec. 74269. *Vinylene carbonate.*
- Sec. 74270. *Kasugamycin technical.*
- Sec. 74271. *2H-Cyclododeca[b]pyran.*
- Sec. 74272. *Bixafen.*
- Sec. 74273. *Fluxapyroxad.*
- Sec. 74274. *3,5 Dimethylpyrazole.*
- Sec. 74275. *Pyraclonil.*
- Sec. 74276. *Imidazolidinyl urea.*
- Sec. 74277. *Allantoin.*
- Sec. 74278. *Emulsifiable concentrate of Imazalil fungicide.*
- Sec. 74279. *Technical cyazofamid fungicide.*
- Sec. 74280. *Imazalil sulfate.*
- Sec. 74281. *1,2-Dimethylimidazole.*
- Sec. 74282. *2-Methylimidazole flakes.*
- Sec. 74283. *Diazolidinyl urea.*
- Sec. 74284. *1-(2-Aminoethyl)imidazolidin-2-one (AEEU).*
- Sec. 74285. *Zinc pyriithione.*
- Sec. 74286. *Technical Pyriofenone fungicide.*
- Sec. 74287. *Picoxystrobin.*
- Sec. 74288. *Triclopyr BEE.*
- Sec. 74289. *Imazapyr.*
- Sec. 74290. *Tetraniliprole.*
- Sec. 74291. *Cyantraniliprole.*
- Sec. 74292. *Chlorantraniliprole.*
- Sec. 74293. *Chlorpyrifos.*
- Sec. 74294. *Technical Cyclaniliprole insecticide.*
- Sec. 74295. *Regorafenib.*
- Sec. 74296. *N-Butyl-TAD.*
- Sec. 74297. *Hindered amine light stabilizer and phenolic antioxidant.*
- Sec. 74298. *4-Hydroxy-TEMPO.*
- Sec. 74299. *2,2,6,6-tetramethylpiperidin-4-ol (TMP).*
- Sec. 74300. *5-Bromo-2-(3-chloropyridin-2-yl)pyrazole-3-carboxylic acid.*
- Sec. 74301. *2-Chloro-5-(trifluoromethyl)pyridine.*
- Sec. 74302. *Picarbutrox.*
- Sec. 74303. *5-amino-3-(trifluoromethyl) picolinonitrile (T3630).*
- Sec. 74304. *Dextromethorphan hydrobromide.*
- Sec. 74305. *Ipflufenquin.*
- Sec. 74306. *THQ.*
- Sec. 74307. *Pyriithiobac sodium.*
- Sec. 74308. *Larotrectinib sulfate.*
- Sec. 74309. *Ibrutinib.*
- Sec. 74310. *Orthosulfamuron.*

- Sec. 74311. *5-Bromopyrimidine.*
- Sec. 74312. *Butylthion.*
- Sec. 74313. *P-1062.*
- Sec. 74314. *Carfentrazone Technical.*
- Sec. 74315. *UV absorber 928.*
- Sec. 74316. *UV absorber for industrial coatings.*
- Sec. 74317. *Uniconazole-P.*
- Sec. 74318. *VcMMAE.*
- Sec. 74319. *UVA 360.*
- Sec. 74320. *Trofinetide.*
- Sec. 74321. *Flurazole.*
- Sec. 74322. *Oxathiapiprolin.*
- Sec. 74323. *Certain antimicrobial.*
- Sec. 74324. *Rubber accelerator.*
- Sec. 74325. *2-Amino benzothiazole.*
- Sec. 74326. *Technical Isofetamid fungicide.*
- Sec. 74327. *Clomazone Technical.*
- Sec. 74328. *NEM salt.*
- Sec. 74329. *AMTC wet cake.*
- Sec. 74330. *Photoinitiator 369.*
- Sec. 74331. *Isatoic anhydride.*
- Sec. 74332. *Oclacitinib maleate.*
- Sec. 74333. *Thiencarbazone-methyl.*
- Sec. 74334. *Penoxsulam technical herbicide.*
- Sec. 74335. *Ethyl 2-sulfamoylbenzoate.*
- Sec. 74336. *Sulfosulfuron.*
- Sec. 74337. *Pyrimisulfan.*
- Sec. 74338. *Purified steviol glycoside, rebaudioside A.*
- Sec. 74339. *Glucosylated steviol glycosides.*
- Sec. 74340. *Hydroxypropyl gamma cyclodextrin.*
- Sec. 74341. *Hydroxypropylated beta cyclodextrin.*
- Sec. 74342. *Methyl beta cyclodextrin.*
- Sec. 74343. *2'-Fucosyllactose.*
- Sec. 74344. *Ascorbyl glucoside.*
- Sec. 74345. *Dimethylamine borane (DMAB).*
- Sec. 74346. *Elderberry extract concentrate.*
- Sec. 74347. *Disperse Yellow 241.*
- Sec. 74348. *Disperse Orange.*
- Sec. 74349. *Mixtures of Disperse Yellow FD11843 and acetic acid.*
- Sec. 74350. *Disperse Blue 54.*
- Sec. 74351. *Mixtures of several disperse dyes.*
- Sec. 74352. *Mixtures of 4 disperse blue dyes.*
- Sec. 74353. *Mixtures of 4 dyes.*
- Sec. 74354. *Disperse Red 86.*
- Sec. 74355. *Disperse Violet 1.*
- Sec. 74356. *Disperse Blue 60.*
- Sec. 74357. *Mixtures of Disperse Orange 29, Disperse Red 167:1, and Disperse Blue 56.*
- Sec. 74358. *Disperse Yellow 54.*
- Sec. 74359. *Acid Violet 48.*
- Sec. 74360. *Acid Blue 280.*
- Sec. 74361. *Acid Brown 282.*
- Sec. 74362. *Acid Red 131.*
- Sec. 74363. *Acid Red 249.*
- Sec. 74364. *Acid Yellow 236.*

- Sec. 74365. *Acid Red 407.*
Sec. 74366. *Acid Yellow 220.*
Sec. 74367. *Acid Yellow 232.*
Sec. 74368. *Acid Yellow 235.*
Sec. 74369. *Acid Yellow 151.*
Sec. 74370. *Acid Violet 43.*
Sec. 74371. *Acid Red 33.*
Sec. 74372. *Acid Black 52.*
Sec. 74373. *Acid Black 2.*
Sec. 74374. *Acid Green 25.*
Sec. 74375. *Basic Brown 23.*
Sec. 74376. *Basic Violet 11:1 rhodamine dye.*
Sec. 74377. *Basic Yellow 37.*
Sec. 74378. *Basic Violet 3.*
Sec. 74379. *Direct Orange 118.*
Sec. 74380. *Direct Blue 86.*
Sec. 74381. *Direct Blue 199.*
Sec. 74382. *Direct Black 168.*
Sec. 74383. *Direct Red 227.*
Sec. 74384. *Direct Yellow 107.*
Sec. 74385. *Direct Green 26.*
Sec. 74386. *Direct Yellow 11.*
Sec. 74387. *Direct Orange 15.*
Sec. 74388. *Direct Brown 44.*
Sec. 74389. *Direct Red 81.*
Sec. 74390. *Direct Yellow 142.*
Sec. 74391. *Direct Red 80.*
Sec. 74392. *Direct Red 16.*
Sec. 74393. *Direct Red 254.*
Sec. 74394. *Colorant.*
Sec. 74395. *Direct Yellow 34.*
Sec. 74396. *Vat Orange 2 dye powder.*
Sec. 74397. *Vat Violet 13 dye.*
Sec. 74398. *Vat Brown 3 dye.*
Sec. 74399. *Vat Red 10 dye powder.*
Sec. 74400. *Vat Brown 57 dye.*
Sec. 74401. *Vat Red 31 dye powder.*
Sec. 74402. *Dye mixtures of Vat Brown 3 and Vat Black 27.*
Sec. 74403. *Vat Red 13.*
Sec. 74404. *Vat Yellow 2 dye powder.*
Sec. 74405. *Vat Yellow 33 dye.*
Sec. 74406. *Vat Green 1 dye.*
Sec. 74407. *Vat Green 3.*
Sec. 74408. *Vat Blue 6 dye.*
Sec. 74409. *Vat Blue 20 dye.*
Sec. 74410. *Vat Violet 1.*
Sec. 74411. *Vat Brown 1 dye.*
Sec. 74412. *Vat Black 16 dye.*
Sec. 74413. *Vat Black 25.*
Sec. 74414. *Vat Black 27.*
Sec. 74415. *Reactive Yellow 145.*
Sec. 74416. *Reactive Red 195.*
Sec. 74417. *Reactive Blue 49.*
Sec. 74418. *Reactive Blue 72.*
Sec. 74419. *Reactive Yellow 95 powder.*

- Sec. 74420. *Reactive Red 245.*
- Sec. 74421. *Reactive Brown 11.*
- Sec. 74422. *Mixtures of Reactive Black 5 (Na) (FKP), Reactive Scarlet F01-0439, and Reactive Orange 131.*
- Sec. 74423. *Reactive Yellow F98-0159.*
- Sec. 74424. *Dye mixtures of Reactive Orange 131 and Reactive Scarlet F07-0522.*
- Sec. 74425. *Reactive Black 31.*
- Sec. 74426. *Reactive Red 120.*
- Sec. 74427. *Reactive Blue 5.*
- Sec. 74428. *Reactive Orange 13.*
- Sec. 74429. *Reactive Orange 12.*
- Sec. 74430. *Pigment Red 177.*
- Sec. 74431. *Pigment Yellow 110.*
- Sec. 74432. *Pigment Yellow 147.*
- Sec. 74433. *Pigment Orange 64.*
- Sec. 74434. *Pigment Blue 29.*
- Sec. 74435. *Pigment Violet 15.*
- Sec. 74436. *Pigment Blue 14.*
- Sec. 74437. *Solvent Blue 97.*
- Sec. 74438. *Solvent Green 5.*
- Sec. 74439. *Solvent Yellow 98.*
- Sec. 74440. *Solvent Green 7.*
- Sec. 74441. *Solvent Red 195.*
- Sec. 74442. *Solvent Orange 115.*
- Sec. 74443. *Specialty dyes.*
- Sec. 74444. *Solvent Green 3.*
- Sec. 74445. *Solvent Blue 36.*
- Sec. 74446. *Mixtures of Solvent Green 3.*
- Sec. 74447. *Solvent Red 52.*
- Sec. 74448. *Solvent Red 149.*
- Sec. 74449. *Solvent Red 207.*
- Sec. 74450. *Solvent Violet 14.*
- Sec. 74451. *Solvent Yellow 179.*
- Sec. 74452. *Solvent Yellow 131.*
- Sec. 74453. *Hogen Blue XB-20.*
- Sec. 74454. *Solvent Yellow 104.*
- Sec. 74455. *Combination of Fluorescent Brighteners 367 and 371.*
- Sec. 74456. *Fluorescent Brightener CBS-X.*
- Sec. 74457. *Optical Brightener SWN.*
- Sec. 74458. *C.I. Fluorescent Brightener 199:1.*
- Sec. 74459. *Fluorescent Brightener 368.*
- Sec. 74460. *1,4-Bis(2-cyanostyryl)benzene.*
- Sec. 74461. *Certain manufacturing inputs.*
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- Sec. 74463. *Matte pearlescent pigments.*
- Sec. 74464. *Angle-dependent interference pigments.*
- Sec. 74465. *Inorganic Lumilux.*
- Sec. 74466. *Ribbon/Matrix Resin.*
- Sec. 74467. *Bonding agent 2005.*
- Sec. 74468. *Fluoropolymer resin.*
- Sec. 74469. *Zirconium 12 paint drier.*
- Sec. 74470. *Zirconium 24 paint drier.*
- Sec. 74471. *Drier accelerators.*
- Sec. 74472. *Lemon oil.*

- Sec. 74473. *Sulfonic acids, C14–17-sec-alkane, sodium salt.*
- Sec. 74474. *Potassium ethyl octylphosphonate.*
- Sec. 74475. *Intermediate in the production of industrial lubricants.*
- Sec. 74476. *Polyether dispersant.*
- Sec. 74477. *D-Glucopyranose.*
- Sec. 74478. *2-Dodecoxy-6-(hydroxymethyl)oxane-3,4,5-triol.*
- Sec. 74479. *Mixtures of certain C12–14-alkyl ethers.*
- Sec. 74480. *Manufacturing chemical.*
- Sec. 74481. *Nonionic surfactant.*
- Sec. 74482. *Chemical used in textile manufacturing.*
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- Sec. 74486. *Aqueous dispersion of a mixture of fatty amine and amide soaps and miscellaneous other additives.*
- Sec. 74487. *Aqueous dispersion of a mixture of fatty amine and amide soaps and miscellaneous other additives.*
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- Sec. 74490. *Magic candles containing magnesium powder.*
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- Sec. 74525. *Thifensulfuron-methyl and Tribenuron-methyl formulations.*
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- Sec. 74565. *Phthalocyanine derivative.*
- Sec. 74566. *Mixtures of Cocamidopropyl betaine, glycol distearate, Laureth-4, and water.*
- Sec. 74567. *Mixtures of tall oil mono-, di-, and triglycerides.*
- Sec. 74568. *Tallow-bis(2-hydroxyethyl) amines.*
- Sec. 74569. *Additive mixtures for metalworking fluids.*
- Sec. 74570. *Naphthenic acids.*
- Sec. 74571. *Hydroxytyrosol powders.*
- Sec. 74572. *Secondary alcohol ethoxylates.*

- Sec. 74573. *Ethylene glycol dimerate.*
- Sec. 74574. *Two-part liquid silicone kits.*
- Sec. 74575. *Hydrophobic precipitated silica.*
- Sec. 74576. *Silane, trimethoxyoctyl-, hydrolysis products.*
- Sec. 74577. *1,1,1-Trimethyl-N-(trimethylsilyl)silanamine hydrolysis products.*
- Sec. 74578. *Waterborne epoxy curing agents.*
- Sec. 74579. *Preparations based on 1-phenylicosane-1,3-dione.*
- Sec. 74580. *Mixtures of 2-Mercaptopropionic acid, methyl ester, O-ethyl dithiocarbonate.*
- Sec. 74581. *Epoxy curing agents.*
- Sec. 74582. *Aliphatic amine curing agents.*
- Sec. 74583. *Non-halogenated flame retardants.*
- Sec. 74584. *Ligaphob N 90.*
- Sec. 74585. *Organomodified siloxane.*
- Sec. 74586. *Methyl palmitate-stearate, hydrogenated.*
- Sec. 74587. *Olfine E1010.*
- Sec. 74588. *Certain non-halogenated flame retardants.*
- Sec. 74589. *Flame retardants.*
- Sec. 74590. *Preparations based on acetyl hexapeptide-8 and pentapeptide-18.*
- Sec. 74591. *Lithium silicon oxide.*
- Sec. 74592. *Branched olefin from propylene polymerization.*
- Sec. 74593. *Polypropylene pellets.*
- Sec. 74594. *Propylene-ethylene copolymer.*
- Sec. 74595. *Ethylene-propylene copolymers.*
- Sec. 74596. *Benzene alkylated with polypropylene.*
- Sec. 74597. *Chlorinated polyolefin.*
- Sec. 74598. *Adsorbent resin.*
- Sec. 74599. *Vinyl chloride-hydroxypropyl acrylate copolymer.*
- Sec. 74600. *Vinyl chloride ethylene copolymer with hydrophic properties.*
- Sec. 74601. *Fluids with boiling points above 170 °C.*
- Sec. 74602. *Formulations of functionalized perfluoropolyether.*
- Sec. 74603. *Perfluoropolyether-urethane acrylate.*
- Sec. 74604. *PVDF homopolymer/PVDF/CTFE copolymer mixtures.*
- Sec. 74605. *Chemically modified PVDF.*
- Sec. 74606. *Fluoropolymer, fluoroethylene-alkyl vinyl ether alternative copolymers.*
- Sec. 74607. *Copolymer of vinyl acetate and higher vinyl esters.*
- Sec. 74608. *Food-grade vinyl acetate copolymer.*
- Sec. 74609. *Vinyl chloride ethylene with enhanced properties.*
- Sec. 74610. *Vinyl acetate ethylene copolymer with enhanced properties.*
- Sec. 74611. *Food-grade polyvinyl acetate homopolymers.*
- Sec. 74612. *Acrylic acid/vinylsulphonate random copolymers.*
- Sec. 74613. *Poly(methyl methacrylate) microspheres.*
- Sec. 74614. *Methyl methacrylate crosspolymer microspheres.*
- Sec. 74615. *Styrene acrylate copolymer with enhanced properties.*
- Sec. 74616. *Copolymer for dental use.*
- Sec. 74617. *Vinyl phosphonic acid, acrylic acid copolymer, 20 percent solution in water.*
- Sec. 74618. *Polyacrylate 33.*
- Sec. 74619. *AA/AMPS copolymer.*
- Sec. 74620. *Flocculant dry polyacrylamides.*
- Sec. 74621. *Sorbitol, propylene oxide, ethylene oxide polymer.*
- Sec. 74622. *Trimethoxysilylpropylcarbamate-terminated polyether.*
- Sec. 74623. *Dimethoxy(methyl)silylmethylcarbamate-terminated polyether.*
- Sec. 74624. *Curing agent is used in two- or three-parts epoxy systems.*
- Sec. 74625. *Polyethylene glycol 450.*

- Sec. 74626. *Medicinal intermediate for investigational use.*
- Sec. 74627. *Pegcetacoplan.*
- Sec. 74628. *Aqueous solutions of carboxylic acid-copolymer-salt in water.*
- Sec. 74629. *Aqueous solutions of a modified polymer bearing hydrophilic and hydrophobic groups.*
- Sec. 74630. *Dimethylamine/epichlorohydrin/ethylenediamine copolymer.*
- Sec. 74631. *Linear hydroxyl-terminated aliphatic polycarb diol.*
- Sec. 74632. *Short hollow PET fibers.*
- Sec. 74633. *Polytetrahydrofuran.*
- Sec. 74634. *Crystalline polyesters.*
- Sec. 74635. *Liquid crystal polymers.*
- Sec. 74636. *Branched polyesters.*
- Sec. 74637. *High molecular weight co-polyester.*
- Sec. 74638. *High molecular weight co-polyester.*
- Sec. 74639. *Polyester-polyamide dispersants.*
- Sec. 74640. *Nylon-12 micro-spheres.*
- Sec. 74641. *Short nylon-66 fibers.*
- Sec. 74642. *Short nylon 6 fibers, colored.*
- Sec. 74643. *Short triangular nylon 6 fibers.*
- Sec. 74644. *Short star-shaped nylon 6 fibers.*
- Sec. 74645. *Short heart-shaped nylon 6 fibers.*
- Sec. 74646. *PA510 polymer compounds.*
- Sec. 74647. *MXD6 polymer compounds.*
- Sec. 74648. *PA10T polymer compounds.*
- Sec. 74649. *PA10T/10I polymer compounds.*
- Sec. 74650. *Polyurethane aqueous resins.*
- Sec. 74651. *Aqueous resin.*
- Sec. 74652. *Aliphatic polyisocyanate.*
- Sec. 74653. *IPDI and HDI based aliphatic polyisocyanate.*
- Sec. 74654. *HDI/Trimethylol hexyllactone crosspolymer micro-spheres.*
- Sec. 74655. *HDI/PPG/Polycaprolactone crosspolymer micro-spheres.*
- Sec. 74656. *Aromatic isocyanate prepolymer.*
- Sec. 74657. *Blocked polyisocyanate containing solvent.*
- Sec. 74658. *Polyisocyanate adduct for powder coatings.*
- Sec. 74659. *Blocked polyisocyanate for use in can and coil applications.*
- Sec. 74660. *Polydimethylsiloxane.*
- Sec. 74661. *Silicone resins.*
- Sec. 74662. *Methoxyfunctional methyl-phenyl polysiloxane.*
- Sec. 74663. *Hydrogenpolysiloxane.*
- Sec. 74664. *Methyl silicone resins.*
- Sec. 74665. *Trimethylsiloxysilicate.*
- Sec. 74666. *Epoxy functional polydimethylsiloxane.*
- Sec. 74667. *Polymethylhydrogensiloxane.*
- Sec. 74668. *Vinyl terminated siloxanes.*
- Sec. 74669. *Silicone hybrid resin (solvent free).*
- Sec. 74670. *Hydrogenated polycyclopentadiene resin.*
- Sec. 74671. *Water dispersable HDI based polyisocyanate.*
- Sec. 74672. *Cyanate ester resins for high-end electronic, aerospace, and industrial applications.*
- Sec. 74673. *Polyethyleneimine, component used in manufacturing medical devices.*
- Sec. 74674. *Polyhexanide.*
- Sec. 74675. *Ethylene-norbornene copolymer.*
- Sec. 74676. *Cellulose powder.*
- Sec. 74677. *Polymaltotriose.*

- Sec. 74678. *Chitosan.*
- Sec. 74679. *Plastic drinking straws.*
- Sec. 74680. *Garden hoses.*
- Sec. 74681. *Plastic fittings of perfluoroalkoxy.*
- Sec. 74682. *Low density polyethylene (LDPE) sheeting.*
- Sec. 74683. *Biaxially oriented dielectric polypropylene film.*
- Sec. 74684. *Biaxially oriented polypropylene (BOPP) capacitor-grade film.*
- Sec. 74685. *Polyester capacitor-grade film.*
- Sec. 74686. *Acid form membranes.*
- Sec. 74687. *Melamine resin foam.*
- Sec. 74688. *Infant bathtubs and basins, of plastics.*
- Sec. 74689. *Boxes, cases, crates, and similar articles of plastics.*
- Sec. 74690. *Nozzles, black, of polypropylene.*
- Sec. 74691. *Tip/cap combinations of polyethylene.*
- Sec. 74692. *Bottles made of LDPE.*
- Sec. 74693. *Plastic nasal irrigator caps for neti pots.*
- Sec. 74694. *Toy character bottle toppers.*
- Sec. 74695. *Melamine platters, other than those presented in sets.*
- Sec. 74696. *Melamine plates, other than those presented in sets.*
- Sec. 74697. *Melamine bowls not presented in sets.*
- Sec. 74698. *Melamine trays not presented in sets.*
- Sec. 74699. *Plastic measuring cups and spoons in sets.*
- Sec. 74700. *Liquid measuring cups.*
- Sec. 74701. *Self-anchoring beverage containers.*
- Sec. 74702. *PVC infant bathtub mats.*
- Sec. 74703. *Reversible playmats.*
- Sec. 74704. *Craft mats.*
- Sec. 74705. *Hangers.*
- Sec. 74706. *Infant bath rinsing cups.*
- Sec. 74707. *Bathtub spout covers.*
- Sec. 74708. *Infant teethingers.*
- Sec. 74709. *Lighted dog fetch toys.*
- Sec. 74710. *Certain thermoplastic nylon 3-gang switch wallplates.*
- Sec. 74711. *Manual plastic disposable cutlery dispensers.*
- Sec. 74712. *Ear bulb syringes of clear silicone.*
- Sec. 74713. *PVC inflatable pillows.*
- Sec. 74714. *Self-inflatable queen air mattresses.*
- Sec. 74715. *Plastic clip fasteners.*
- Sec. 74716. *Self-venting spouts for diesel exhaust fluid.*
- Sec. 74717. *Plastic pet carriers.*
- Sec. 74718. *Plastic mixing tips.*
- Sec. 74719. *Cable ties of plastics.*
- Sec. 74720. *Flexible camera mountings.*
- Sec. 74721. *Three-piece camera mount sets.*
- Sec. 74722. *Magnetic swivel clips for cameras.*
- Sec. 74723. *Helmet camera mounts.*
- Sec. 74724. *Short extension poles for use with cameras.*
- Sec. 74725. *Long extension poles for cameras.*
- Sec. 74726. *Swivel mounts for cameras.*
- Sec. 74727. *Tripod camera mounts.*
- Sec. 74728. *Bulk hydraulic hoses.*
- Sec. 74729. *Brake hydraulic hoses.*
- Sec. 74730. *Bulk fabric/metal-reinforced rubber hoses.*
- Sec. 74731. *Disposable gloves.*
- Sec. 74732. *Reusable gloves.*

- Sec. 74733. *Dog and cat apparel.*
- Sec. 74734. *Polycarbonate vanity cases.*
- Sec. 74735. *Aluminum vanity cases.*
- Sec. 74736. *Suitcases with outer surface of aluminum with built-in zipper locks.*
- Sec. 74737. *Drawstring backpacks with zippered pocket.*
- Sec. 74738. *Laminated recycled reusable shopping tote bags.*
- Sec. 74739. *Tote bags of paper yarn.*
- Sec. 74740. *Reusable shopping style tote bags.*
- Sec. 74741. *Waterproof tote bags.*
- Sec. 74742. *Waterproof duffel bags.*
- Sec. 74743. *Waterproof zippered bags, without handles, of plastic sheeting.*
- Sec. 74744. *Waterproof backpacks.*
- Sec. 74745. *Waterproof waist packs.*
- Sec. 74746. *Guitar cases.*
- Sec. 74747. *Jewelry boxes.*
- Sec. 74748. *Silicone rubber camera cases with straps.*
- Sec. 74749. *Leather gloves with flip mitts for hunting.*
- Sec. 74750. *Men's leather gloves valued at \$18 or more per pair.*
- Sec. 74751. *Belts of calf skin.*
- Sec. 74752. *Bamboo engineered flooring: 12.5–12.9 mm thick.*
- Sec. 74753. *Bamboo engineered flooring: 14.1–14.5 mm thick.*
- Sec. 74754. *Bamboo engineered flooring: 15.7–16.1 mm thick.*
- Sec. 74755. *Strand bamboo flooring: 12.5–12.9 mm thick.*
- Sec. 74756. *Strand bamboo flooring: 14.1–14.5 mm thick.*
- Sec. 74757. *Strand bamboo flooring: 10.9–11.3 mm thick.*
- Sec. 74758. *Chopsticks made of bamboo.*
- Sec. 74759. *Drying racks of wood.*
- Sec. 74760. *Bamboo skewers.*
- Sec. 74761. *Wood blinds with louvered slats.*
- Sec. 74762. *100 percent cotton woven crimped unbleached fabric.*
- Sec. 74763. *Woven fabrics of cotton, containing 85 percent or more by weight of cotton, not more than 200 grams per square meter.*
- Sec. 74764. *100 percent cotton woven bleached fabric pieces, open weave.*
- Sec. 74765. *Incontinence underpad fabrics of cotton.*
- Sec. 74766. *Woven fabrics of cotton with an average yarn number between 55 and 60.*
- Sec. 74767. *Woven fabric of cotton of yarn number 69 or higher.*
- Sec. 74768. *Woven fabrics of cotton with an average yarn number exceeding 68.*
- Sec. 74769. *Incontinence underpad fabrics, cotton, plain weave, of yarn number 42 or lower.*
- Sec. 74770. *Incontinence underpad fabrics, cotton, plain weave, of yarn number between 43 and 68.*
- Sec. 74771. *Incontinence underpad fabrics, bleached.*
- Sec. 74772. *Incontinence underpad fabrics, printed.*
- Sec. 74773. *Untwisted filament polyvinyl alcohol yarn, measuring 1,100 to 1,330 decitex.*
- Sec. 74774. *Untwisted filament polyvinyl alcohol yarn.*
- Sec. 74775. *Polypropylene (PP) monofilament.*
- Sec. 74776. *Acrylic fiber tow with an average decitex of 0.9.*
- Sec. 74777. *Black polyester bi-component fibers.*
- Sec. 74778. *Acrylic staple fibers with an average decitex of 2.2, fiber length of 100 mm.*
- Sec. 74779. *Modacrylic staple fibers not processed for spinning.*
- Sec. 74780. *Short polypropylene fibers.*
- Sec. 74781. *Polyoxadiazole fibers.*

- Sec. 74782. *Artificial staple fibers of viscose rayon, 38–42 mm in length.*
- Sec. 74783. *Artificial fibers of viscose rayon for the manufacture of feminine hygiene products.*
- Sec. 74784. *Flame retardant rayon fibers, measuring 4.78 decitex.*
- Sec. 74785. *Flame retardant rayon fibers, measuring 4.55 decitex.*
- Sec. 74786. *Flame retardant rayon fibers, measuring 4.4 decitex.*
- Sec. 74787. *Other flame retardant rayon fibers.*
- Sec. 74788. *Cellulosic man-made viscose rayon staple fibers, measuring 1.3–1.5 decitex.*
- Sec. 74789. *Viscose rayon staple fibers, measuring 1.5–1.67 decitex, with a fiber length of 38–42 mm.*
- Sec. 74790. *Cellulosic man-made viscose rayon staple fibers, measuring 1.67–2 decitex.*
- Sec. 74791. *Viscose rayon staple fibers, measuring 1–2 decitex, with a fiber length of 4–8 mm.*
- Sec. 74792. *Viscose staple fibers used in textile, medical, or hygiene applications.*
- Sec. 74793. *Viscose rayon staple fibers, measuring 1.51–2 decitex, with a fiber length of 8–16 mm.*
- Sec. 74794. *Viscose rayon staple fibers, measuring 1–1.5 decitex, with a fiber length of 8–16 mm.*
- Sec. 74795. *Flame retardant viscose rayon staple fibers, with a decitex of 4.7 mm and a fiber length of 51–60 mm.*
- Sec. 74796. *Viscose rayon staple fibers for nonwoven production.*
- Sec. 74797. *Black viscose rayon staple fibers.*
- Sec. 74798. *Acrylic or modacrylic staple fibers with a decitex of 3–5.6.*
- Sec. 74799. *Made up hand-cast string-drawn fishing nets.*
- Sec. 74800. *Knitted carpets containing 75 percent or more of cotton, with a rubber backing.*
- Sec. 74801. *Knitted carpets containing 75 percent or more by weight of polyester, with a rubber backing.*
- Sec. 74802. *Faux leather fabrics.*
- Sec. 74803. *Grass catcher bags.*
- Sec. 74804. *Oxygenation membrane capillary material.*
- Sec. 74805. *Textile knitted fabrics composed of micromodal and elastane.*
- Sec. 74806. *Textile technical knitted fabrics combining technical cotton and elastane.*
- Sec. 74807. *Textile knit fabrics of modal, cashmere, and spandex.*
- Sec. 74808. *Women’s and girls’ dresses, knitted or crocheted, of synthetic fibers infused with minerals.*
- Sec. 74809. *Women’s and girls’ skirts and divided skirts of synthetic fibers infused with minerals.*
- Sec. 74810. *Women’s and girls’ knit cardigans or pullovers containing 70 percent or more of silk.*
- Sec. 74811. *Men’s and boys’ knit cardigans or pullovers of linen.*
- Sec. 74812. *Babies’ knit sweaters, pullovers, sweatshirts, waistcoats (vests), and cardigans, of artificial fibers.*
- Sec. 74813. *Women’s and girls’ tops, knitted or crocheted, of man-made fibers infused with minerals.*
- Sec. 74814. *Men’s and boy’s tops, knitted or crocheted, of man-made fibers infused with minerals.*
- Sec. 74815. *Men’s 3 mm wetsuits.*
- Sec. 74816. *Men’s 5.5 and 6.5 mm wetsuits.*
- Sec. 74817. *Men’s 3.5 mm wetsuits.*
- Sec. 74818. *Men’s 4.5 mm wetsuits.*
- Sec. 74819. *Women’s 3 mm wetsuits.*

- Sec. 74820. *Women's 3.5 mm wetsuits.*
- Sec. 74821. *Women's 4.5 mm wetsuits.*
- Sec. 74822. *Women's 5.5 and 6.5 mm wetsuits.*
- Sec. 74823. *Insulated handmuffs of knit polyester.*
- Sec. 74824. *Men's stockingfoot wader bottom subassemblies, of compressed neoprene.*
- Sec. 74825. *Men's stockingfoot wader bottom subassemblies, of non-compressed neoprene.*
- Sec. 74826. *Fishing wader pocket pouch assemblies.*
- Sec. 74827. *Women's coats of man-made woven fibers.*
- Sec. 74828. *Men's or boys' linen woven trousers.*
- Sec. 74829. *Men's or boys' linen woven shorts.*
- Sec. 74830. *Martial arts uniforms.*
- Sec. 74831. *Women's dresses of woven viscose.*
- Sec. 74832. *Girls' woven cotton corduroy trousers.*
- Sec. 74833. *Women's woven waffle shirts.*
- Sec. 74834. *Babies' woven artificial fiber shirts and blouses.*
- Sec. 74835. *Babies' artificial fiber woven jumpsuits, coveralls, dresses, skirts, skirtalls, or clothing accessories.*
- Sec. 74836. *Women's or girls' linen woven blouses, shirts and shirt-blouses, and sleeveless tank styles.*
- Sec. 74837. *Women's or girls' linen woven washsuits, sunsuits, or one-piece playsuits.*
- Sec. 74838. *Women's or girls' linen woven coveralls or jumpsuits.*
- Sec. 74839. *Women's shawls and similar goods, 100 percent silk.*
- Sec. 74840. *Winter cycling gloves.*
- Sec. 74841. *Mattress protectors with toppers.*
- Sec. 74842. *Printed mattress protectors.*
- Sec. 74843. *Lock pocket tents.*
- Sec. 74844. *Dark room tents.*
- Sec. 74845. *Air tube chambered tents.*
- Sec. 74846. *Bi-component microfiber tube mop refills.*
- Sec. 74847. *Microfiber duster refills.*
- Sec. 74848. *RFID mop pads.*
- Sec. 74849. *Microfiber cleaning cloths.*
- Sec. 74850. *Microfiber mop pads.*
- Sec. 74851. *Golf bag bodies with rain hoods and straps.*
- Sec. 74852. *Pillow shells, constructed with gussets.*
- Sec. 74853. *Golf bag body flats.*
- Sec. 74854. *Bathtub elbow rests.*
- Sec. 74855. *Door swings.*
- Sec. 74856. *Under bed restraints.*
- Sec. 74857. *Flat golf bag body components, without bottoms.*
- Sec. 74858. *Bath kneeler.*
- Sec. 74859. *Pillow shells, with oval jacquard weave.*
- Sec. 74860. *Two-piece camera mount kits.*
- Sec. 74861. *Sleeve covers.*
- Sec. 74862. *Sports footwear for men, valued over \$20 per pair.*
- Sec. 74863. *Sports footwear for women, valued over \$20 per pair.*
- Sec. 74864. *Men's cycling shoes valued over \$18 per pair.*
- Sec. 74865. *Women's cycling shoes valued over \$16 per pair.*
- Sec. 74866. *Men's golf shoes with outers and uppers of rubber or plastics, valued over \$20 per pair.*
- Sec. 74867. *Golf shoes other than for men, with outers and uppers of rubber or plastics, valued over \$20 per pair.*

- Sec. 74868. *Winter cycling boots for men.*
- Sec. 74869. *Winter cycling boots for women.*
- Sec. 74870. *Men's protective active footwear with waterproof soles, valued over \$26 per pair, covering the ankle.*
- Sec. 74871. *Women's protective active footwear with waterproof soles, valued over \$27 per pair, 15.35–25.4 cm in height.*
- Sec. 74872. *Children's protective active footwear with waterproof soles, valued over \$18 per pair.*
- Sec. 74873. *Men's protective active footwear with waterproof soles, valued over \$27 per pair, 15.35–25.4 cm in height.*
- Sec. 74874. *Children's footwear valued over \$15 per pair.*
- Sec. 74875. *Women's protective active footwear, valued over \$25 per pair, 15.35–25.4 cm in height.*
- Sec. 74876. *Women's rubber or plastic footwear covering the ankle with fox-like banding.*
- Sec. 74877. *Cheer shoes covering the ankle.*
- Sec. 74878. *Footwear for women, with 90 percent of the external surface of rubber or plastic, valued \$15–\$22 per pair.*
- Sec. 74879. *Sideline cheer shoes.*
- Sec. 74880. *Men's athletic footwear, valued under \$9 per pair.*
- Sec. 74881. *Athletic footwear for women, valued not over \$9 per pair.*
- Sec. 74882. *Athletic footwear for children, valued not over \$8 per pair.*
- Sec. 74883. *Men's golf shoes, with outer soles and uppers of rubber or plastics, not covering the ankle, valued \$15 per pair or over.*
- Sec. 74884. *Golf shoes other than for men, with outer soles and uppers of rubber or plastics, not covering the ankle, valued \$15 per pair or over.*
- Sec. 74885. *Men's rubber/plastic footwear, valued not over \$5 per pair.*
- Sec. 74886. *Women's rubber/plastic footwear, valued not over \$6 per pair.*
- Sec. 74887. *Children's athletic shoes with glitter uppers.*
- Sec. 74888. *Cheer shoes with sole less than 12 mm.*
- Sec. 74889. *Men's golf shoes with outers and uppers of rubber or plastics, valued over \$19 per pair.*
- Sec. 74890. *Golf shoes other than for men, outer soles and uppers of rubber or plastics, valued over \$19 per pair.*
- Sec. 74891. *Men's golf shoes, outer soles of rubber, plastics, leather or composition leather and uppers of leather (except pigskin uppers).*
- Sec. 74892. *Men's oxford work footwear with metal safety toe and internal metatarsal protection.*
- Sec. 74893. *Oxford-style leather footwear with metal safety toe and static dissipating protection.*
- Sec. 74894. *Women's leather footwear, lined with pigskin with zipper, valued \$47–\$60 per pair.*
- Sec. 74895. *Women's leather footwear, lined with pigskin, valued \$31–\$40 per pair.*
- Sec. 74896. *Women's slip-on cow/calf hair footwear, valued \$50–\$60 per pair.*
- Sec. 74897. *Women's leather footwear lined with sheepskin.*
- Sec. 74898. *Women's leather slip-on footwear lined with sheep leather.*
- Sec. 74899. *Women's leather slip-on footwear lined with pigskin.*
- Sec. 74900. *Women's leather footwear, lined with pigskin, valued \$21–\$27 per pair.*
- Sec. 74901. *Men's mid-cut work footwear with composite safety toe and waterproof leather uppers.*
- Sec. 74902. *Men's leather upper footwear, San Crispino construction, valued over \$32 per pair.*
- Sec. 74903. *Men's leather upper athletic footwear.*

- Sec. 74904. *Women's footwear with leather uppers, lined with pigskin, valued \$37–\$43 per pair.*
- Sec. 74905. *Women's footwear with leather uppers, lined with pigskin, valued \$88–\$102 per pair.*
- Sec. 74906. *Women's footwear with leather uppers, lined with pigskin, valued \$24–\$32 per pair.*
- Sec. 74907. *Women's footwear with leather uppers, lined with pigskin, valued \$57–\$62 per pair.*
- Sec. 74908. *Women's footwear with leather uppers, strap with closed toe and open heel.*
- Sec. 74909. *Open toe women's footwear, valued over \$23 but not over \$27 per pair.*
- Sec. 74910. *Slip-on footwear for women, valued over \$24 but not over \$27 per pair.*
- Sec. 74911. *Women's footwear with leather uppers, lined with pigskin, closed toe or heel with functional zippers on sides.*
- Sec. 74912. *Women's footwear with leather uppers, lined with pigskin, closed toe or heel with zipper closure, height of 43–48 cm.*
- Sec. 74913. *Women's footwear with leather uppers, lined with pigskin covering the knee.*
- Sec. 74914. *Women's footwear with leather uppers, lined with pigskin, closed toe or heel with zipper closure, height of 48–52 cm.*
- Sec. 74915. *Women's footwear with leather uppers, open toe with strap and buckle, valued \$14–\$25 per pair.*
- Sec. 74916. *Women's slip-on footwear with bovine leather uppers.*
- Sec. 74917. *Women's footwear with leather uppers, lined with pigskin with adjustable laces.*
- Sec. 74918. *Men's waterproof leather footwear, valued \$27 per pair or higher.*
- Sec. 74919. *Men's or boys' golf shoes, valued \$30 per pair or higher.*
- Sec. 74920. *Competitive cheer shoes with leather uppers.*
- Sec. 74921. *Children's waterproof leather footwear, not covering the ankle, valued \$14 per pair or higher.*
- Sec. 74922. *Women's footwear with leather uppers, open toe with strap and buckle, valued \$12.50–\$28 per pair.*
- Sec. 74923. *Women's footwear with leather uppers, closed toe with strap and buckle.*
- Sec. 74924. *Women's footwear with leather uppers, with strap and buckle, valued \$27–\$40 per pair.*
- Sec. 74925. *Women's footwear with leather uppers, with strap and buckle, valued \$12.70–\$18.70 per pair.*
- Sec. 74926. *Children's leather upper athletic footwear, valued not over \$9 per pair.*
- Sec. 74927. *Men's athletic type footwear with uppers of textile materials of vegetable fibers and outer soles of rubber or plastic with textile flocking.*
- Sec. 74928. *Athletic footwear for men, with a bellows tongue, valued over \$6.50 but not over \$12 per pair.*
- Sec. 74929. *Athletic footwear for women, with a bellows tongue, valued over \$6.50 but not over \$12 per pair.*
- Sec. 74930. *Athletic footwear for children, bellows tongue, valued over \$6.50 but not over \$12 per pair.*
- Sec. 74931. *Athletic footwear for men, valued over \$6.50 but not over \$9 per pair.*
- Sec. 74932. *Athletic footwear for children, valued over \$6.50 but not over \$9 per pair.*

- Sec. 74933. Men's waterproof footwear, valued over \$15 per pair, covering the ankle.*
- Sec. 74934. Men's waterproof footwear, valued over \$13 per pair, not covering the ankle.*
- Sec. 74935. Women's waterproof footwear, valued over \$15 per pair, covering the ankle.*
- Sec. 74936. Women's waterproof footwear, valued over \$13 per pair, not covering the ankle.*
- Sec. 74937. Cheer shoes with uppers of textile materials.*
- Sec. 74938. Men's golf shoes, uppers of textile materials.*
- Sec. 74939. Golf shoes other than for men, uppers of textile materials.*
- Sec. 74940. Women's footwear with textile uppers and 50 percent or more of the surface area of which is leather.*
- Sec. 74941. Shoe and boot covers.*
- Sec. 74942. Women's footwear with textile uppers, open toes or heels, valued \$15–\$30 per pair.*
- Sec. 74943. Men's textile upper footwear, with open toes or open heels, valued not over \$12 per pair.*
- Sec. 74944. Women's textile upper footwear, with open toes or open heels, valued not over \$12 per pair.*
- Sec. 74945. Children's textile upper footwear, with open toes or open heels, valued not over \$12 per pair.*
- Sec. 74946. Oxford footwear with textile upper and composite toe, valued at \$12–\$20 per pair.*
- Sec. 74947. Oxford-style footwear for men or women with textile uppers, with an alloy safety toecap and static dissipating protection.*
- Sec. 74948. Oxford-style work footwear with steel safety toe and static dissipating protection.*
- Sec. 74949. Women's footwear, covering the ankle but not the knee, valued over \$24 per pair.*
- Sec. 74950. Men's textile upper footwear, not covering the ankle, valued over \$24 per pair.*
- Sec. 74951. Oxford footwear with textile uppers and composite toe, valued over \$20 per pair.*
- Sec. 74952. Men's mid-cut footwear with a textile upper and a protective toe cap.*
- Sec. 74953. Women's footwear with leather soles and textile uppers, open toes or heels, valued \$12–\$24 per pair.*
- Sec. 74954. Footwear for women valued over \$20 but not over \$24 per pair.*
- Sec. 74955. Women's footwear with leather soles and textile uppers, valued \$15–\$20 per pair.*
- Sec. 74956. Women's footwear with leather soles and textile uppers, valued \$20–\$25 per pair.*
- Sec. 74957. Women's footwear with cork soles and textile uppers.*
- Sec. 74958. Men's footwear with felt soles, not covering the ankle, valued \$20 per pair or higher.*
- Sec. 74959. Women's and girls' footwear with cork uppers, valued less than \$25 per pair.*
- Sec. 74960. Women's footwear with cow/calf hair uppers, valued \$35–\$40 per pair, covering the ankle.*
- Sec. 74961. Women's footwear with cow/calf hair uppers, valued \$35–\$40 per pair, not covering the ankle.*
- Sec. 74962. Women's footwear with cow/calf hair uppers, valued \$19–\$25 per pair.*
- Sec. 74963. Women's footwear with cow/calf hair uppers, valued \$50–\$55 per pair.*

- Sec. 74964. *Women's footwear, leather soles and rubber/plastic uppers, valued \$16–\$18 per pair.*
- Sec. 74965. *Women's footwear with cow/calf hair uppers, valued \$19–\$34 per pair.*
- Sec. 74966. *Footwear for women, valued over \$50 but not over \$60 per pair.*
- Sec. 74967. *Calf hair upper footwear.*
- Sec. 74968. *Gaiters of man-made fibers.*
- Sec. 74969. *Hats of vegetable fibers.*
- Sec. 74970. *Hairnets.*
- Sec. 74971. *Cotton knit hats, valued \$8 or less.*
- Sec. 74972. *Babies' woven cotton hats.*
- Sec. 74973. *Hats of man-made fiber, valued \$5–\$25.*
- Sec. 74974. *Waterproof and insulated hats with ear flaps, valued over \$15.*
- Sec. 74975. *Fishing wading staffs.*
- Sec. 74976. *Plastic plants for aquariums, not glued or bound.*
- Sec. 74977. *Natural stone ledger tile of sandstone.*
- Sec. 74978. *Marble mosaic and pebble tiles.*
- Sec. 74979. *Natural stone limestone tiles.*
- Sec. 74980. *Natural stone marble tiles.*
- Sec. 74981. *Waterjet natural stone mosaic tile.*
- Sec. 74982. *Marble entertaining and serveware.*
- Sec. 74983. *Articles of marble for kitchen and dining room.*
- Sec. 74984. *Natural stone ledger tiles of travertine.*
- Sec. 74985. *Travertine decorative tile.*
- Sec. 74986. *Limestone decorative tiles.*
- Sec. 74987. *Blank, embossed, and printed stoneware coaster disks and trivets.*
- Sec. 74988. *Rolled green glass sheets.*
- Sec. 74989. *Framed rear-view mirrors.*
- Sec. 74990. *Wall mirrors, unframed.*
- Sec. 74991. *Wall mirrors, framed.*
- Sec. 74992. *Stemware (crystalline) drinking glasses valued over \$0.30 but not over \$3 each, other than those presented in sets.*
- Sec. 74993. *Double-walled insulated glass tumblers.*
- Sec. 74994. *Diamond-shaped stemmed wine glasses.*
- Sec. 74995. *Twisted-center stemless wine glass.*
- Sec. 74996. *Crystalline drinking glasses, without stems, not in sets.*
- Sec. 74997. *Double-walled insulated glass bowls.*
- Sec. 74998. *Leaf-shaped glass decanters.*
- Sec. 74999. *Set of four appetizer plates made of glass with steel caddy holder, valued at \$2 each.*
- Sec. 75000. *Spice rack with glass jars and wooden lids valued not over \$3 each.*
- Sec. 75001. *Glass lens blanks for infrared applications.*
- Sec. 75002. *Hair accessories of glass beads, imitation pearls, and imitation stones, valued less than \$7.*
- Sec. 75003. *Filter bags with acid-resistant coating, of woven fiberglass laminated to ePTFE, weighing at least 325 g/m² but not over 350 g/m².*
- Sec. 75004. *Fiberglass replacement wicks for outdoor garden torch.*
- Sec. 75005. *Filter bags of woven fiberglass fabric laminated to an ePTFE, with a polytetrafluoroethylene coated backing, not acid resistant, weighing at least 721 g/m² but not over 771 g/m².*
- Sec. 75006. *Silver catalyst.*
- Sec. 75007. *Silver round blanks.*
- Sec. 75008. *Ferroboron alloy.*
- Sec. 75009. *Cast iron nonmalleable threaded main body combo castings for residential fuel oil tanks.*

- Sec. 75010. Cast iron nonmalleable threaded vent caps for residential fuel oil tanks.*
- Sec. 75011. Cast iron nonmalleable threaded bushings for residential fuel oil tanks.*
- Sec. 75012. Cast iron nonmalleable threaded tank adapters for residential fuel oil tanks.*
- Sec. 75013. Cast iron nonmalleable threaded fill alarm main body for residential fuel oil tanks.*
- Sec. 75014. Cast iron nonmalleable threaded fill box caps for residential fuel oil tanks.*
- Sec. 75015. Cast iron nonmalleable threaded leg flanges for residential fuel oil tanks.*
- Sec. 75016. Portable gas cooking stoves.*
- Sec. 75017. Portable outdoor cookers.*
- Sec. 75018. Self-anchored beverage containers.*
- Sec. 75019. Stainless steel handmade kitchen sinks.*
- Sec. 75020. Loose frame baskets.*
- Sec. 75021. Two-story fire escape ladders.*
- Sec. 75022. Three-story fire escape ladders.*
- Sec. 75023. Work support stands of steel.*
- Sec. 75024. Locking fixtures of iron or steel.*
- Sec. 75025. Stainless steel phone handle-and-stand accessories.*
- Sec. 75026. Circular and S-shaped stainless steel carabiners.*
- Sec. 75027. Pieces of refined unwrought copper cathode 99.9999 percent pure.*
- Sec. 75028. Ultra-thin and wide-width aluminum foil.*
- Sec. 75029. Etched capacitor aluminum foil of a thickness 0.018–0.126 mm.*
- Sec. 75030. Stove top coffee makers.*
- Sec. 75031. Aluminum shower caddies.*
- Sec. 75032. Step stools of aluminum.*
- Sec. 75033. Aluminum ladders.*
- Sec. 75034. Circular and S-shaped aluminum carabiners.*
- Sec. 75035. Stationary sprinklers of zinc.*
- Sec. 75036. Tungsten waste and scrap.*
- Sec. 75037. Cobalt alloys.*
- Sec. 75038. Certain gallium (Ga).*
- Sec. 75039. Niobium (columbium) rings no thicker than 20 mm.*
- Sec. 75040. Tungsten secondary raw material.*
- Sec. 75041. Gear-driven bolt cutters and pipe cutters.*
- Sec. 75042. Rotary cutters.*
- Sec. 75043. Food graters.*
- Sec. 75044. Hand tools for applying plastic clip fasteners to garments.*
- Sec. 75045. Steel workstations with vises adjustable by foot pedal.*
- Sec. 75046. Fixed carbide cutter and roller cone drill bits.*
- Sec. 75047. Rotary food graters.*
- Sec. 75048. Coffee presses.*
- Sec. 75049. Vacuum insulated coffee servers with a brew-through lid.*
- Sec. 75050. Vacuum insulated coffee servers with no lid.*
- Sec. 75051. Vacuum insulated coffee servers with fitted hinged lid.*
- Sec. 75052. Commercial vacuum insulated coffee servers with sight gauge.*
- Sec. 75053. Commercial vacuum insulated coffee servers with plastic base.*
- Sec. 75054. Commercial vacuum insulated coffee servers with plastic base and stand.*
- Sec. 75055. Craft knives with fixed pen-like or retractable blades.*
- Sec. 75056. Craft knives.*
- Sec. 75057. Blades for craft knives with non-fixed blades.*

- Sec. 75058. *Ergonomic pinking shears.*
- Sec. 75059. *Spring-action scissors.*
- Sec. 75060. *Electronic locks for lockers.*
- Sec. 75061. *Luggage locks of base metal, packaged for retail sale.*
- Sec. 75062. *Key-operated door handles, push-pull-rotate.*
- Sec. 75063. *Vent mounted magnetic mobile phone holder for automobiles.*
- Sec. 75064. *Dash mounted magnetic mobile phone holder for automobiles.*
- Sec. 75065. *Windshield mounted magnetic mobile phone holder for automobiles.*
- Sec. 75066. *Steel latches with plastic plungers.*
- Sec. 75067. *Non-key-operated door handles.*
- Sec. 75068. *Curtain rings.*
- Sec. 75069. *Brackets.*
- Sec. 75070. *Curtain rods.*
- Sec. 75071. *Curtain rod hardware.*
- Sec. 75072. *Curtain tiebacks.*
- Sec. 75073. *Curtain rod finials.*
- Sec. 75074. *Curved shower rods.*
- Sec. 75075. *Shower hooks and rings.*
- Sec. 75076. *Straight shower rods.*
- Sec. 75077. *Steel window rods.*
- Sec. 75078. *Anti-theft steel cases with digital locks.*
- Sec. 75079. *Stainless steel hose kits.*
- Sec. 75080. *Stainless steel hoses.*
- Sec. 75081. *Wrist watch strap buckles not over 18 mm.*
- Sec. 75082. *Wrist watch strap buckles over 18 mm.*
- Sec. 75083. *Used cylinder heads.*
- Sec. 75084. *Cylinder heads used solely or principally with certain engines.*
- Sec. 75085. *Engine blocks.*
- Sec. 75086. *Swirler assemblies for turbines.*
- Sec. 75087. *Barrels for fuel mixing.*
- Sec. 75088. *Injector assemblies for certain turbines.*
- Sec. 75089. *Stem assemblies for certain turbines.*
- Sec. 75090. *Tip assemblies for non-gas turbines.*
- Sec. 75091. *High pressure fuel pumps.*
- Sec. 75092. *Dry scroll vacuum pumps 364x333x485 mm.*
- Sec. 75093. *Dry scroll vacuum pumps 297x260x420 mm.*
- Sec. 75094. *Dry scroll vacuum pumps 254x260x420 mm.*
- Sec. 75095. *Dry scroll vacuum pumps 181x140x358 mm.*
- Sec. 75096. *Turbomolecular vacuum pumps.*
- Sec. 75097. *Rotary vane vacuum pumps valued over \$500 each.*
- Sec. 75098. *Vacuum diffusion pumps valued over \$900 each.*
- Sec. 75099. *Hand- or foot-operated air pumps.*
- Sec. 75100. *Roof vent fans.*
- Sec. 75101. *12-Amp corded electric leaf blowers.*
- Sec. 75102. *Cordless battery powered leaf blowers not exceeding 20 volts.*
- Sec. 75103. *Cordless battery powered leaf blowers between 20 and 60 V.*
- Sec. 75104. *Fan assemblies for cab climate systems.*
- Sec. 75105. *Aquarium air pumps.*
- Sec. 75106. *Heat pumps for residential use.*
- Sec. 75107. *Heat pumps (outdoor units) for split air conditioner systems.*
- Sec. 75108. *High-wall indoor units.*
- Sec. 75109. *Single-zone outdoor units.*
- Sec. 75110. *Mini heat pumps for split air conditioner systems.*
- Sec. 75111. *Multi-zone outdoor unit ductless systems.*
- Sec. 75112. *Indoor units of split air conditioner systems.*

- Sec. 75113. *Ductless 18000 BTU heat pumps, single zone inverter.*
- Sec. 75114. *Single-phase heat pump.*
- Sec. 75115. *Steel vacuum pitchers with plastic hinged lid.*
- Sec. 75116. *Oil filters.*
- Sec. 75117. *Battery powered nasal irrigators.*
- Sec. 75118. *Struts to absorb vibration.*
- Sec. 75119. *Table saws (25.4 cm.), operable corded and cordless.*
- Sec. 75120. *Sliding miter saws (25.4 cm) with laser, corded and cordless.*
- Sec. 75121. *Electromechanical rotary hammers, corded and cordless.*
- Sec. 75122. *Electromechanical hammer impact drivers, corded and cordless.*
- Sec. 75123. *Rotary hammer drill tools with self-contained electric motor.*
- Sec. 75124. *Drill driver tools with self-contained electric motor.*
- Sec. 75125. *Extruders.*
- Sec. 75126. *Three-dimensional drawing pens.*
- Sec. 75127. *Professional grade three-dimensional drawing pens.*
- Sec. 75128. *Electric multi-functional blower vacuums.*
- Sec. 75129. *Autosamplers (multisamplers) for liquid chromatographs.*
- Sec. 75130. *Autosamplers (vialsamplers) for liquid chromatographs.*
- Sec. 75131. *Hydraulic hammer assembly.*
- Sec. 75132. *Segmented bladder-operated molds, with more than 25-inch rim diameter.*
- Sec. 75133. *Used valves for directional control.*
- Sec. 75134. *Keg spears with pressure release valves.*
- Sec. 75135. *Multiport distribution controllers.*
- Sec. 75136. *Subsea modular trees.*
- Sec. 75137. *Flow selector unit-multi-port 6-branch engine crankshafts.*
- Sec. 75138. *Engine crankshafts.*
- Sec. 75139. *Turbocharger journal bearings.*
- Sec. 75140. *Mid-range bearing housings.*
- Sec. 75141. *Heavy duty bearing housings.*
- Sec. 75142. *Fixed ration gear boxes.*
- Sec. 75143. *Track drive gear boxes.*
- Sec. 75144. *Swing bearing assembly.*
- Sec. 75145. *Gears for use in machinery or within engines.*
- Sec. 75146. *14Y stepper motors.*
- Sec. 75147. *Air door actuators.*
- Sec. 75148. *Servo motors.*
- Sec. 75149. *DC brushed rhombic winding NdFeb magnet motors, with output under 18.65 W.*
- Sec. 75150. *DC brushed rhombic winding NdFeB magnet motors.*
- Sec. 75151. *DC brushed rhombic winding ALNiCo magnet motors, with output under 18.65 W.*
- Sec. 75152. *DC brushless rhombic winding NdFeB magnet motors, with output under 18.65 W.*
- Sec. 75153. *DC brushed rhombic winding NdFeB magnet motors, with output over 18.65 but not over 37.5 W.*
- Sec. 75154. *DC brushed rhombic winding ALNiCo magnet motors, with output over 18.65 W but not over 37.5 W.*
- Sec. 75155. *DC brushless slotless rhombic winding NdFeB magnet motors output over 18.65 W but not over 37.5 W.*
- Sec. 75156. *DC brushed rhombic winding NdFeB magnet motors output over 37.5 W but not over 74.6 W.*
- Sec. 75157. *DC brushless slotless rhombic winding NdFeB magnet motors output over 37.5 W but not over 74.6 W.*
- Sec. 75158. *Motors.*

- Sec. 75159. *DC motors of an output exceeding 74.6 W but not exceeding 735 W.*
- Sec. 75160. *DC motors, of an output exceeding 74.6 W but not exceeding 735 W.*
- Sec. 75161. *DC brushed rhombic winding NdFeB magnet motors output over 74.6 W but not over 735 W.*
- Sec. 75162. *DC brushless slotless rhombic winding NdFeB magnet motors output over 74.6 W but not over 735 W.*
- Sec. 75163. *DC motors of an output exceeding 750 W but not exceeding 14.92 kW.*
- Sec. 75164. *DC electric motor for non-aircraft gas turbines.*
- Sec. 75165. *AC alternators.*
- Sec. 75166. *AC alternators with copper windings.*
- Sec. 75167. *Wound stators and rotor assemblies.*
- Sec. 75168. *Rotors.*
- Sec. 75169. *Stators for washing machines, with a 27-tooth design.*
- Sec. 75170. *Stators for washing machines, with an 18-tooth design.*
- Sec. 75171. *Rotors for washing machines, with a height of 60.8 mm.*
- Sec. 75172. *Rotors for washing machines, with a height of 49 mm.*
- Sec. 75173. *6 V lead-acid storage batteries.*
- Sec. 75174. *12 V lead-acid storage batteries, used for the auxiliary source of power.*
- Sec. 75175. *Lead-acid storage batteries, used for wheelchairs.*
- Sec. 75176. *12 V lead-acid storage batteries, rated at less than 15 ampere-hours.*
- Sec. 75177. *12 V lead-acid storage batteries, rated at 15 ampere-hours or more.*
- Sec. 75178. *Cell box assemblies, weighing 15 kg or more but not over 18 kg.*
- Sec. 75179. *Cell box assemblies, weighing 30 kg or more but not over 36 kg.*
- Sec. 75180. *Cell box assemblies, weighing 36 kg or more but not over 49 kg.*
- Sec. 75181. *Cell box assemblies NX.*
- Sec. 75182. *Food processors with a capacity greater than 2.9 liters but not exceeding 3.1 liters.*
- Sec. 75183. *Food processors with a capacity greater than 1.6 liters but not exceeding 2.2 liters.*
- Sec. 75184. *Cordless hand blenders.*
- Sec. 75185. *Cordless hand mixers.*
- Sec. 75186. *Corded hand blenders.*
- Sec. 75187. *Burr coffee grinders.*
- Sec. 75188. *Electric food processors with bowl scraper.*
- Sec. 75189. *Electric food processors with snap-locking lid.*
- Sec. 75190. *Electric juice extractors.*
- Sec. 75191. *Electric drink mixers.*
- Sec. 75192. *Spiralizing food processors with a capacity equal to or greater than 2.36 liters but not exceeding 2.64 liters.*
- Sec. 75193. *Spiralizing food processors with a capacity equal to or greater than 2.83 liters but not exceeding 3.07 liters.*
- Sec. 75194. *Dicing food processors.*
- Sec. 75195. *Compact food processor with smoothie function.*
- Sec. 75196. *Juice extractors.*
- Sec. 75197. *Integrated baby food making systems.*
- Sec. 75198. *Electric juice mixers and grinders.*
- Sec. 75199. *Ultrasonic humidifiers.*
- Sec. 75200. *Automatic litterboxes, valued no more than \$100.*
- Sec. 75201. *Electric toothbrushes.*
- Sec. 75202. *Ultrasonic cool/warm mist humidifiers with aromatherapy.*
- Sec. 75203. *2-in-1 can opener.*
- Sec. 75204. *Food spiralizing devices.*
- Sec. 75205. *Ceramic bowls.*
- Sec. 75206. *Food grinders for certain electromechanical stand food mixers.*

- Sec. 75207. Pasta press extruders for certain stand food mixers.*
- Sec. 75208. Stainless steel bowls for certain electromechanical stand food mixers, with capacity greater than 4.2 liters but not exceeding 4.8 liters.*
- Sec. 75209. Stainless steel bowls for certain electromechanical stand food mixers, with capacity greater than 2.8 liters but not exceeding 3.4 liters.*
- Sec. 75210. Stainless steel bowls for certain electromechanical stand food mixers, with capacity greater than 5.6 liters but not exceeding 8.6 liters.*
- Sec. 75211. Pasta rollers and cutters for stand food mixers.*
- Sec. 75212. Glass bowls for certain electromechanical stand food mixers.*
- Sec. 75213. Body trimmers for detailed hair trimming.*
- Sec. 75214. Hair clipper sets.*
- Sec. 75215. Rechargeable trimmers for trimming human hair.*
- Sec. 75216. PCB assemblies for clippers and trimmers.*
- Sec. 75217. LED bicycle wheel spoke lights.*
- Sec. 75218. Bicycle rear lights.*
- Sec. 75219. Portable electric lamps.*
- Sec. 75220. Space heaters.*
- Sec. 75221. Microwave ovens with capacity not exceeding 22.5 liters.*
- Sec. 75222. Microwave ovens with capacity exceeding 22.5 liters but not exceeding 31 liters.*
- Sec. 75223. Low-profile microwave ovens with electronic opening mechanism and integral range hood.*
- Sec. 75224. Low-profile microwave ovens with push button opening mechanism and integral range hood.*
- Sec. 75225. Low-profile microwave ovens with electronic opening mechanism and without a range hood.*
- Sec. 75226. Searing grills.*
- Sec. 75227. Automatic drip coffee makers.*
- Sec. 75228. Espresso machines.*
- Sec. 75229. Coffee makers with dishwasher safe removable parts.*
- Sec. 75230. Single-service coffee makers with milk frothers.*
- Sec. 75231. Electric coffee makers with dual dispensers.*
- Sec. 75232. Electric coffee makers for brewing capsules.*
- Sec. 75233. Automatic or manual pour over coffee makers.*
- Sec. 75234. Removable reservoir coffeemakers.*
- Sec. 75235. Single serve coffee makers.*
- Sec. 75236. 2-way coffee makers with a 12-cup carafe and a pod brewer.*
- Sec. 75237. Rapid cold brew and hot coffee makers.*
- Sec. 75238. Electric kettles.*
- Sec. 75239. Electric toasters with even-toast feature.*
- Sec. 75240. Electric toasters with 6.5 inch slots.*
- Sec. 75241. Electric toasters with 37 mm wide slots, with an under-base cord wrap.*
- Sec. 75242. 2- and 4- slot toasters, not having a button to keep toaster contents warm after toasting.*
- Sec. 75243. 2-slot toasters, with a button to keep toaster content warm after toasting.*
- Sec. 75244. Electric toasters with double-slice slots.*
- Sec. 75245. Electric toasters with 37 mm wide slots, with a retractable cord.*
- Sec. 75246. Electric pressure cookers rated more than 800 W but not more than 1,000 W, with a capacity of not less than 5 liters.*
- Sec. 75247. Electric pressure cookers rated more than 1,200 W but not more than 1,400 W, with a capacity of less than 5 liters.*
- Sec. 75248. Electric pressure cookers rated more than 1,000 W but not more than 1,200 W, with a capacity of less than 5 liters.*

- Sec. 75249. *Contoured heating pads.*
- Sec. 75250. *Slow cookers with non-stick ceramic coated stoneware.*
- Sec. 75251. *Heating pads.*
- Sec. 75252. *Programmable slow cookers with digital display.*
- Sec. 75253. *8-Quart electric slow cookers.*
- Sec. 75254. *Programmable slow cookers.*
- Sec. 75255. *Electric slow cookers with locking lid.*
- Sec. 75256. *Double flip waffle makers with removable grids.*
- Sec. 75257. *Ice cream waffle cone and bowl makers.*
- Sec. 75258. *Electric breakfast sandwich makers.*
- Sec. 75259. *Pressure cookers.*
- Sec. 75260. *10-quart programmable slow cookers.*
- Sec. 75261. *Polished stainless steel 1.5-quart tea kettles.*
- Sec. 75262. *Egg bite makers.*
- Sec. 75263. *Vacuum steel insulated coffee carafes, of a kind used with deep ultraviolet lithography machines.*
- Sec. 75264. *Vacuum steel insulated carafes for household coffee machines, of a kind used with deep ultraviolet lithography machines.*
- Sec. 75265. *Vacuum steel bodies with inner and outer steel layers.*
- Sec. 75266. *Lamp-holder housings of plastic.*
- Sec. 75267. *660 W, 125 V, lamp-holder with two 15 amp outlets.*
- Sec. 75268. *Combination duplex receptacle/outlet and USB charger, 15–20 amp, 125 V.*
- Sec. 75269. *Range and dryer receptacles.*
- Sec. 75270. *Residential grade receptacles.*
- Sec. 75271. *Residential and commercial USB receptacles.*
- Sec. 75272. *Power strips.*
- Sec. 75273. *Surge protectors.*
- Sec. 75274. *Programmable controllers for architectural lighting.*
- Sec. 75275. *Electronic modular control panels for generators.*
- Sec. 75276. *Power distribution modules and programmable controllers.*
- Sec. 75277. *Glass capacitive touchscreen assemblies with LCD.*
- Sec. 75278. *Lamps containing deuterium gas without radio-frequency identification (RFID).*
- Sec. 75279. *Lamps containing deuterium gas with radio-frequency identification (RFID).*
- Sec. 75280. *Fiber channel coaxial cables of silver-plated copper conductors and expanded ePTFE dielectrics.*
- Sec. 75281. *Insulated coaxial cables, of a kind used with deep ultraviolet lithography machines.*
- Sec. 75282. *Coaxial cables insulated with ePTFE, vapor sealed, of a kind used with deep ultraviolet lithography machines.*
- Sec. 75283. *Coaxial cables insulated with ePTFE, non-vapor sealed, of a kind used with deep ultraviolet lithography machines.*
- Sec. 75284. *Low speed automotive ethernet USB harnesses.*
- Sec. 75285. *High speed autolink cable USB harnesses.*
- Sec. 75286. *Insulated electric conductors, of a kind used with extreme ultraviolet lithography machines.*
- Sec. 75287. *Insulated electric conductors, of a kind used with deep ultraviolet lithography machines.*
- Sec. 75288. *Insulated electric conductors, of a kind used with optical instruments.*
- Sec. 75289. *Rings, blocks, and other insulating fittings of quartz.*
- Sec. 75290. *Front tire splash guards for vehicles.*
- Sec. 75291. *Rear tire splash guards for vehicles.*
- Sec. 75292. *Automatic gear boxes.*

- Sec. 75293. *Suspension systems (struts) for off-highway trucks.*
- Sec. 75294. *Suspension system stabilizer bars.*
- Sec. 75295. *Tie rod assemblies.*
- Sec. 75296. *Used axle housings.*
- Sec. 75297. *Used parts for power trains.*
- Sec. 75298. *Front windshield covers.*
- Sec. 75299. *Expansion chambers.*
- Sec. 75300. *Bicycle racks for car roofs.*
- Sec. 75301. *High pressure fuel injector rails.*
- Sec. 75302. *Stand-up bicycles, having both wheels exceeding 63.5 cm in diameter.*
- Sec. 75303. *Elliptical cycles, with wheels not exceeding 63.5 cm in diameter.*
- Sec. 75304. *Bicycle frames, other than of steel, valued \$600 or less.*
- Sec. 75305. *Internal gear bicycle hubs, other than two or three speeds.*
- Sec. 75306. *Bicycle pedals other than clipless pedals.*
- Sec. 75307. *Clipless bicycle pedals and parts thereof.*
- Sec. 75308. *Carbon fiber bicycle seatposts.*
- Sec. 75309. *Bicycle handlebar tape, other than silicon or leather tape.*
- Sec. 75310. *Trailer cycles.*
- Sec. 75311. *Dropper seatposts.*
- Sec. 75312. *Bicycle fenders.*
- Sec. 75313. *Bicycle handlebars.*
- Sec. 75314. *Multi-functional steel carts.*
- Sec. 75315. *Non-mechanically propelled industrial hand truck.*
- Sec. 75316. *Moving dollies.*
- Sec. 75317. *Paragliders, paraglider wings and paraglider harnesses.*
- Sec. 75318. *Sailing catamarans and power catamarans.*
- Sec. 75319. *Projection lenses.*
- Sec. 75320. *Mounted optical lenses.*
- Sec. 75321. *Objective lenses for broadcast cameras.*
- Sec. 75322. *Objective lenses for cinema cameras.*
- Sec. 75323. *Magnifying spectacles.*
- Sec. 75324. *LCD television panel assemblies, with a video display measuring over 175.26 cm.*
- Sec. 75325. *LCD television panel assemblies, with a video display measuring over 149.86 cm but not over 175.26 cm.*
- Sec. 75326. *LCD television panel assemblies, with a video display measuring over 139.7 cm but not over 149.86 cm.*
- Sec. 75327. *LCD television panel assemblies, with a video display measuring over 137.16 cm but not over 139.7 cm.*
- Sec. 75328. *Housings designed for infrared lenses.*
- Sec. 75329. *Electronic temperature indicators, weighing 14.2 g.*
- Sec. 75330. *Electronic temperature indicators, weighing 64.4 g.*
- Sec. 75331. *Electronic temperature indicators, weighing 430 g.*
- Sec. 75332. *Global cargo trackers, weighing 660 g.*
- Sec. 75333. *Temperature data monitors, weighing 115 g.*
- Sec. 75334. *Temperature data monitors, weighing 138.9 g.*
- Sec. 75335. *Temperature data monitors, weighing 133.2 g.*
- Sec. 75336. *Parts and accessories of bicycle speedometers.*
- Sec. 75337. *Wired remote controllers.*
- Sec. 75338. *Analog/digital wrist watches.*
- Sec. 75339. *Mechanical wrist watches.*
- Sec. 75340. *Mechanical wrist watches with leather or other band.*
- Sec. 75341. *Analog pocket watches.*
- Sec. 75342. *Projection alarm clocks, non-atomic.*
- Sec. 75343. *Projection atomic alarm clocks.*

- Sec. 75344. Analog wall clocks without thermometer, hygrometer, or barometer gauges.*
- Sec. 75345. Analog clocks with thermometer and hygrometer.*
- Sec. 75346. Atomic analog wall clocks.*
- Sec. 75347. Atomic digital clocks.*
- Sec. 75348. Analog kitchen timers.*
- Sec. 75349. Wrist watch movements having over one jewel and less than 7 jewels.*
- Sec. 75350. Watch movements having over 7 jewels and under 17 jewels.*
- Sec. 75351. Watch cases or "bodies" over 41 mm in diameter.*
- Sec. 75352. Watch cases or "bodies" not over 41 mm in diameter.*
- Sec. 75353. Watch case bezels, backs, and centers.*
- Sec. 75354. Watch case parts.*
- Sec. 75355. Stainless steel watch bracelets.*
- Sec. 75356. Watch dials.*
- Sec. 75357. Watch crowns.*
- Sec. 75358. Watch hands.*
- Sec. 75359. Acoustic guitars.*
- Sec. 75360. Console digital pianos.*
- Sec. 75361. Grand digital pianos.*
- Sec. 75362. Electronic 61-key keyboards.*
- Sec. 75363. Electric guitars and acoustic/electric guitars.*
- Sec. 75364. Memory foam travel pillows.*
- Sec. 75365. Lighting for wall installation.*
- Sec. 75366. Decorative bathroom fan assemblies (lighting fixtures) assemblies.*
- Sec. 75367. Metal household floor lamps.*
- Sec. 75368. Solar powered pathway lights, each measuring between 36.8 cm and 42 cm in height.*
- Sec. 75369. Solar powered pathway lights, each measuring between 45 cm and 48 cm in height.*
- Sec. 75370. Exterior exit viewing lights, dual beam.*
- Sec. 75371. LED flameless candles.*
- Sec. 75372. Aquarium LED light strands.*
- Sec. 75373. LED light modules for bathroom fans/lights.*
- Sec. 75374. Aquarium LED light sticks.*
- Sec. 75375. Aquarium LED light strips.*
- Sec. 75376. Decorative votive candle holders.*
- Sec. 75377. Candle jar shades.*
- Sec. 75378. Non-electrical lighting.*
- Sec. 75379. Outdoor garden or patio torches of bamboo construction.*
- Sec. 75380. Outdoor garden or patio torches of non-bamboo construction.*
- Sec. 75381. Indoor oil lamps with base of glass or metal.*
- Sec. 75382. Outdoor garden torches for tabletop use.*
- Sec. 75383. Glass lens arrays for spotlights.*
- Sec. 75384. Lamp shades.*
- Sec. 75385. Galvanized steel LED downlight housing frames.*
- Sec. 75386. Aluminum cylinders for LED lighting fixtures.*
- Sec. 75387. Galvanized steel brackets and plates for LED lighting fixtures.*
- Sec. 75388. Aluminum LED downlight reflectors.*
- Sec. 75389. Outdoor garden torch replacement canisters.*
- Sec. 75390. Iris subassemblies for moving lights.*
- Sec. 75391. Zoom modules for automated moving lights.*
- Sec. 75392. Golf club heads for fairway woods.*
- Sec. 75393. Golf club shafts for putters.*
- Sec. 75394. Steel golf club shafts, other than for putters.*
- Sec. 75395. Golf club shaft assemblies.*

- Sec. 75396. *Graphite driver golf club shafts, extra stiff flex.*
- Sec. 75397. *Graphite hybrid golf club shafts, extra stiff flex.*
- Sec. 75398. *Graphite irons golf club shafts, extra stiff flex.*
- Sec. 75399. *Graphite driver golf club shafts, regular, senior, adult, or ladies flex.*
- Sec. 75400. *Graphite golf club driver shafts, stiff flex.*
- Sec. 75401. *Graphite hybrid golf club shafts, regular, senior, adult, or ladies flex.*
- Sec. 75402. *Graphite hybrid golf club shafts, stiff flex.*
- Sec. 75403. *Graphite irons golf club shafts, regular, senior, adult, or ladies flex.*
- Sec. 75404. *Graphite irons golf club shafts, stiff flex.*
- Sec. 75405. *Pickleball paddles.*
- Sec. 75406. *Pickleballs.*
- Sec. 75407. *Exercise cycles.*
- Sec. 75408. *Stationary trainers.*
- Sec. 75409. *Multimodality fitness equipment, without integrated contact grip heart rate monitor.*
- Sec. 75410. *Multimodality fitness equipment with integrated power sensor to measure the user's upper body power input.*
- Sec. 75411. *Parts and accessories for treadmills.*
- Sec. 75412. *Parts and accessories for ellipticals.*
- Sec. 75413. *Parts and accessories for stationary exercise cycles.*
- Sec. 75414. *Parts and accessories for weight training equipment.*
- Sec. 75415. *Parts and accessories for certain exercise equipment machines.*
- Sec. 75416. *Lateral elliptical machines.*
- Sec. 75417. *Adjustable-weight kettlebells.*
- Sec. 75418. *Adjustable-weight barbell.*
- Sec. 75419. *Exercise cycles with dual-position handgrips.*
- Sec. 75420. *Exercise cycles with single handgrips.*
- Sec. 75421. *Upright exercise cycles.*
- Sec. 75422. *Recumbent exercise cycles with touchscreen consoles.*
- Sec. 75423. *Leaning exercise cycles.*
- Sec. 75424. *Rod gyms, with vertical bench.*
- Sec. 75425. *Rod and resistance gyms, with flat benches.*
- Sec. 75426. *Foldable treadmills, with LCD consoles with control keypads.*
- Sec. 75427. *Foldable treadmills, with touchscreen consoles measuring 44.5 cm or less.*
- Sec. 75428. *Indoor cycling machines with wireless data touchscreen displays.*
- Sec. 75429. *Indoor cycling machines with LCD consoles and two water bottle holders.*
- Sec. 75430. *Indoor cycling machines with LCD consoles and single water bottle holder.*
- Sec. 75431. *Recumbent elliptical machines.*
- Sec. 75432. *Fitness equipment combining the functions of an elliptical and a stair stepper, weight over 90 kgs.*
- Sec. 75433. *Foldable treadmills with touchscreen console greater than 44.4 cm.*
- Sec. 75434. *Interactive indoor cycling exercise cycles.*
- Sec. 75435. *Multimodality fitness equipment, with integrated contact grip heart rate monitors.*
- Sec. 75436. *Fishing reels valued not over \$2.70 each, pre-spooled, with rod and fishing line.*
- Sec. 75437. *Fishing reels valued not over \$2.70 each.*
- Sec. 75438. *Hard artificial crankbaits.*
- Sec. 75439. *Collapsible big game decoys.*
- Sec. 75440. *Vacuum steel hinged lid pitchers, not exceeding 1 liter.*
- Sec. 75441. *Vacuum insulated drinkware having a capacity exceeding 1 liter but not exceeding 2 liters.*

Sec. 75442. Vacuum insulated drinkware having a capacity exceeding 2 liters but not exceeding 4 liters.

Sec. 75443. Vacuum glass lined steel coffee servers over 2 liters.

Sec. 75444. Vacuum glass lined steel coffee servers over 2 liters with lever dispensing.

PART II—EXISTING DUTY SUSPENSIONS AND REDUCTIONS

Sec. 75451. Extension of certain existing duty suspensions and reductions and other modifications.

PART III—EFFECTIVE DATE

Sec. 75461. Effective date.

Subtitle C—Reauthorization of American Manufacturing Competitiveness Act of 2016

Sec. 75471. Reauthorization of American Manufacturing Competitiveness Act of 2016.

TITLE V—AUTHORIZATION OF APPROPRIATIONS

Sec. 76001. Authorization of additional appropriations.

TITLE VI—CUSTOMS USER FEES

Sec. 77001. Extension of customs user fees.

1 SEC. 70002. APPROPRIATE CONGRESSIONAL COMMITTEES

2 DEFINED.

3 *In this division, the term “appropriate congressional*
4 *committees” means the Committee on Finance of the Senate*
5 *and the Committee on Ways and Means of the House of*
6 *Representatives.*

1 **TITLE I—TRADING CONSISTENT**
2 **WITH AMERICAN VALUES**
3 **Subtitle A—Preventing Importation**
4 **of Goods Produced by Forced Labor**

5 **SEC. 71001. INVESTIGATIONS OF ALLEGATIONS OF GOODS**
6 **PRODUCED BY FORCED LABOR.**

7 *Section 307 of the Tariff Act of 1930 (19 U.S.C. 1307)*
8 *is amended—*

9 *(1) by striking “All” and inserting the following:*

10 *“(a) IN GENERAL.—All”;*

11 *(2) by striking “‘Forced labor’, as herein used,*
12 *shall mean” and inserting the following:*

13 *“(c) FORCED LABOR DEFINED.—In this section, the*
14 *term ‘forced labor’ means”;* and

15 *(3) by inserting after subsection (a), as des-*
16 *ignated by paragraph (1), the following:*

17 *“(b) FORCED LABOR DIVISION.—*

18 *“(1) IN GENERAL.—There is established in the*
19 *Office of Trade of U.S. Customs and Border Protec-*
20 *tion a Forced Labor Division, which shall—*

21 *“(A) receive and investigate allegations of*
22 *goods, wares, articles, or merchandise mined,*
23 *produced, or manufactured using forced labor;*
24 *and*

1 “(B) coordinate with other agencies to en-
2 force the prohibition under subsection (a).

3 “(2) *PRIORITIZATION OF INVESTIGATIONS.*—In
4 prioritizing investigations under paragraph (1)(A),
5 the Forced Labor Division shall—

6 “(A) consult closely with the Bureau of
7 International Labor Affairs of the Department of
8 Labor and the Office to Monitor and Combat
9 Trafficking in Persons of the Department of
10 State; and

11 “(B) take into account—

12 “(i) the complicity of—

13 “(I) the government of the foreign
14 county in which the instance of forced
15 labor is alleged to have occurred; and

16 “(II) the government of any other
17 country that has facilitated the use of
18 forced labor in the country described in
19 subclause (I);

20 “(ii) the ranking of the governments
21 described in clause (i) in the most recent re-
22 port on trafficking in persons required by
23 section 110(b)(1) of the Trafficking Victims
24 Protection Act of 2000 (22 U.S.C.
25 7107(b)(1));

1 “(iii) whether the good involved in the
2 alleged instance of forced labor is included
3 in the most recent list of goods produced by
4 child labor or forced labor required by sec-
5 tion 105(b)(1)(2)(C) of the Trafficking Vic-
6 tims Protection Reauthorization Act of 2005
7 (22 U.S.C. 7112(b)(2)(C)); and

8 “(iv) the effect taking action with re-
9 spect to the alleged instance of forced labor
10 would have in eradicating forced labor from
11 the supply chain of the United States.

12 “(3) QUARTERLY BRIEFINGS REQUIRED.—Not
13 less frequently than every 90 days, the Forced Labor
14 Division shall provide briefings to the Committee on
15 Finance of the Senate and the Committee on Ways
16 and Means of the House of Representatives regard-
17 ing—

18 “(A) allegations received under paragraph
19 (1);

20 “(B) the prioritization of investigations of
21 such allegations under paragraph (2); and

22 “(C) progress made toward—

23 “(i) issuing withhold release orders for
24 goods, wares, articles, or merchandise

1 mined, produced, or manufactured using
2 forced labor; and

3 “(ii) making findings in and closing
4 investigations conducted under paragraph
5 (1).”.

6 **SEC. 71002. PREVENTING IMPORTATION OF SEAFOOD AND**
7 **SEAFOOD PRODUCTS HARVESTED OR PRO-**
8 **DUCED USING FORCED LABOR.**

9 (a) *DEFINITIONS.*—*In this section:*

10 (1) *CHILD LABOR.*—*The term “child labor” has*
11 *the meaning given the term “worst forms of child*
12 *labor” in section 507 of the Trade Act of 1974 (19*
13 *U.S.C. 2467).*

14 (2) *FORCED LABOR.*—*The term “forced labor”*
15 *has the meaning given that term in section 307 of the*
16 *Tariff Act of 1930 (19 U.S.C. 1307).*

17 (3) *HUMAN TRAFFICKING.*—*The term “human*
18 *trafficking” has the meaning given the term “severe*
19 *forms of trafficking in persons” in section 103 of the*
20 *Trafficking Victims Protection Act of 2000 (22 U.S.C.*
21 *7102).*

22 (4) *SEAFOOD.*—*The term “seafood” means fish,*
23 *shellfish, processed fish, fish meal, shellfish products,*
24 *and all other forms of marine animal and plant life*
25 *other than marine mammals and birds.*

1 (5) *SECRETARY.*—*The term “Secretary” means*
2 *the Secretary of Commerce, acting through the Ad-*
3 *ministrator of the National Oceanic and Atmospheric*
4 *Administration.*

5 (6) *FORCED LABOR IN FISHING.*—

6 (1) *RULEMAKING.*—*Not later than one year after*
7 *the date of the enactment of this Act, the Commis-*
8 *sioner of U.S. Customs and Border Protection, in co-*
9 *ordination with the Secretary, shall issue regulations*
10 *regarding the verification of seafood imports to ensure*
11 *that no seafood or seafood product harvested or pro-*
12 *duced using forced labor is entered into the United*
13 *States in violation of section 307 of the Tariff Act of*
14 *1930 (19 U.S.C. 1307).*

15 (2) *STRATEGY.*—*The Commissioner of U.S. Cus-*
16 *toms and Border Protection, in coordination with the*
17 *Secretary and the Secretary of the department in*
18 *which the Coast Guard is operating, shall—*

19 (A) *develop a strategy for using data col-*
20 *lected under Seafood Import Monitoring Pro-*
21 *gram to identify seafood imports at risk of being*
22 *harvested or produced using forced labor; and*

23 (B) *publish information regarding the strat-*
24 *egy developed under subparagraph (A) on the*
25 *website of U.S. Customs and Border Protection.*

1 (c) *INTERNATIONAL ENGAGEMENT.*—*The United*
 2 *States Trade Representative, in coordination with the Sec-*
 3 *retary of Commerce, shall engage with interested countries*
 4 *regarding the development of compatible and effective sea-*
 5 *food tracking and sustainability plans in order to—*

6 (1) *identify best practices;*

7 (2) *coordinate regarding data sharing;*

8 (3) *reduce barriers to trade in fairly grown or*
 9 *harvested fish; and*

10 (4) *end the trade in products that—*

11 (A) *are harvested or produced using illegal,*
 12 *unregulated, or unreported fishing, human traf-*
 13 *ficking, or forced labor; or*

14 (B) *pose a risk of fraud.*

15 ***Subtitle B—Addressing Censorship***
 16 ***and Barriers to Digital Trade***

17 ***SEC. 71011. CENSORSHIP AS A TRADE BARRIER.***

18 (a) *IN GENERAL.*—*Chapter 8 of title I of the Trade*
 19 *Act of 1974 (19 U.S.C. 2241 et seq.) is amended by adding*
 20 *at the end the following:*

21 ***“SEC. 183. IDENTIFICATION OF COUNTRIES THAT DISRUPT***
 22 ***DIGITAL TRADE.***

23 “(a) *IN GENERAL.*—*Not later than 60 days after the*
 24 *date on which the National Trade Estimate is submitted*
 25 *under section 181(b), the United States Trade Representa-*

1 *tive (in this section referred to as the ‘Trade Representa-*
2 *tive’) shall identify, in accordance with subsection (b), for-*
3 *foreign countries that are trading partners of the United*
4 *States that engage in acts, policies, or practices that disrupt*
5 *digital trade activities, including—*

6 “(1) coerced censorship in their own markets or
7 extraterritorially; and

8 “(2) other eCommerce or digital practices with
9 the goal, or substantial effect, of promoting censorship
10 or extrajudicial data access that disadvantages
11 United States persons.

12 “(b) *REQUIREMENTS FOR IDENTIFICATIONS.*—*In iden-*
13 *tifying countries under subsection (a), the Trade Represent-*
14 *ative shall identify only foreign countries that—*

15 “(1) disrupt digital trade in a discriminatory or
16 trade distorting manner with the goal, or substantial
17 effect, of promoting censorship or extrajudicial data
18 access;

19 “(2) deny fair and equitable market access to
20 digital service providers that are United States per-
21 sons with the goal, or substantial effect, of promoting
22 censorship or extrajudicial data access; or

23 “(3) engage in coerced censorship or
24 extrajudicial data access so as to harm the integrity
25 of services or products provided by United States per-

1 *sons in the market of that country, the United States*
 2 *market, or other markets.*

3 “(c) *DESIGNATION OF PRIORITY FOREIGN COUN-*
 4 *TRIES.—*

5 “(1) *IN GENERAL.—The Trade Representative*
 6 *shall designate as priority foreign countries the for-*
 7 *foreign countries identified under subsection (a) that—*

8 “(A) *engage in the most onerous or egre-*
 9 *gious acts, policies, or practices that have the*
 10 *greatest impact on the United States; and*

11 “(B) *are not negotiating or otherwise mak-*
 12 *ing progress to end those acts, policies, or prac-*
 13 *tices.*

14 “(2) *REVOCATIONS AND ADDITIONAL IDENTIFICA-*
 15 *TIONS.—*

16 “(A) *IN GENERAL.—The Trade Representa-*
 17 *tive may at any time, if information available*
 18 *to the Trade Representative indicates that such*
 19 *action is appropriate—*

20 “(i) *revoke the identification of any*
 21 *foreign country as a priority foreign coun-*
 22 *try under paragraph (1); or*

23 “(ii) *identify any foreign country as a*
 24 *priority foreign country under that para-*
 25 *graph.*

1 “(B) *REPORT ON REASONS FOR REVOCA-*
2 *TION.—The Trade Representative shall include*
3 *in the semiannual report submitted to Congress*
4 *under section 309(3) a detailed explanation of*
5 *the reasons for the revocation under subpara-*
6 *graph (A) of the identification of any foreign*
7 *country as a priority foreign country under*
8 *paragraph (1) during the period covered by the*
9 *report.*

10 “(d) *PUBLICATION.—The Trade Representative shall*
11 *publish in the Federal Register a list of foreign countries*
12 *identified under subsection (a) and foreign countries des-*
13 *ignated as priority foreign countries under subsection (c)*
14 *and shall make such revisions to the list as may be required*
15 *by reason of action under subsection (c)(2).*

16 “(e) *ANNUAL REPORT.—Not later than 30 days after*
17 *the date on which the Trade Representative submits the Na-*
18 *tional Trade Estimate under section 181(b), the Trade Rep-*
19 *resentative shall submit to the Committee on Finance of the*
20 *Senate and the Committee on Ways and Means of the House*
21 *of Representatives a report on actions taken under this sec-*
22 *tion during the one-year period preceding that report, and*
23 *the reasons for those actions, including—*

24 “(1) *a list of any foreign countries identified*
25 *under subsection (a); and*

1 “(2) a description of progress made in decreasing
2 disruptions to digital trade.”.

3 (b) *SENSE OF CONGRESS.*—*It is the sense of Congress*
4 *that, in carrying out any revocations or identifications*
5 *under section 183(c)(2)(A) of the Trade Act of 1974, as*
6 *added by subsection (a), the United States Trade Represent-*
7 *ative may consider information contained in the findings*
8 *from the investigation of the United States International*
9 *Trade Commission entitled “Foreign Censorship: Trade and*
10 *Economic Effects on U.S. Businesses” (Investigation No.*
11 *332–585).*

12 (c) *CLERICAL AMENDMENT.*—*The table of contents for*
13 *the Trade Act of 1974 is amended by inserting after the*
14 *item relating to section 182 the following:*

 “*Sec. 183. Identification of countries that disrupt digital trade.*”.

15 **SEC. 71012. DESIGNATION OF OFFICIAL RESPONSIBLE FOR**
16 **MONITORING UNFAIR TRADE PRACTICES OF**
17 **SUPPLIERS OF INFORMATION AND COMMU-**
18 **NICATIONS EQUIPMENT.**

19 *The United States Trade Representative shall des-*
20 *ignate an official within the Office of the United States*
21 *Trade Representative with responsibility for monitoring*
22 *unfair trade practices of suppliers of information and com-*
23 *munications equipment, including those suppliers that are*
24 *owned, controlled, or supported by a foreign government.*

1 **SEC. 71013. NEGOTIATION OF DIGITAL TRADE AGREE-**
2 **MENTS.**

3 (a) *IN GENERAL.*—*The United States Trade Rep-*
4 *resentative shall consider the viability and utility of negoti-*
5 *ating digital trade agreements with like-minded countries*
6 *and to what degree such agreements may provide an oppor-*
7 *tunity to address digital barriers, deter censorship, promote*
8 *the free flow of information, support privacy, protect sen-*
9 *sitive information, protect communications regarding*
10 *human and worker rights, and promote digitally enabled*
11 *commerce.*

12 (b) *CONSULTATION.*—*With respect to any negotiations*
13 *of an agreement facilitating digital trade, the Trade Rep-*
14 *resentative shall consult closely and on a timely basis with*
15 *the appropriate congressional committees, keep those com-*
16 *mittees fully apprised of those negotiations, and provide to*
17 *those committees, including staff with appropriate security*
18 *clearance, access to the text of any negotiating proposal of*
19 *the United States not later than 5 business days before ta-*
20 *bling the proposal in the negotiation.*

1 ***Subtitle C—Protecting Innovators***
2 ***and Consumers***

3 **SEC. 71021. TECHNICAL AND LEGAL SUPPORT FOR AD-**
4 **RESSING INTELLECTUAL PROPERTY RIGHTS**
5 **INFRINGEMENT CASES.**

6 (a) *IN GENERAL.*—*The head of any Federal agency*
7 *may provide support, as requested and appropriate, to*
8 *United States persons seeking technical, legal, or other sup-*
9 *port in addressing intellectual property rights infringement*
10 *cases regarding the People’s Republic of China.*

11 (b) *UNITED STATES PERSON DEFINED.*—*In this sec-*
12 *tion, the term “United States person” means—*

13 (1) *a United States citizen or an alien lawfully*
14 *admitted for permanent residence to the United*
15 *States; or*

16 (2) *an entity organized under the laws of the*
17 *United States or of any jurisdiction within the*
18 *United States, including a foreign branch of such an*
19 *entity.*

20 **SEC. 71022. IMPROVEMENT OF ANTI-COUNTERFEITING**
21 **MEASURES.**

22 (a) *INCREASED INSPECTIONS.*—

23 (1) *REPORT ON SEIZURES OF COUNTERFEIT*
24 *GOODS.*—*Not later than one year after the date of the*
25 *enactment of this Act, and annually thereafter, the*

1 *Commissioner of U.S. Customs and Border Protection*
2 *shall submit to the Committee on Finance of the Sen-*
3 *ate and the Committee on Ways and Means of the*
4 *House of Representatives a report on seizures by U.S.*
5 *Customs and Border Protection of counterfeit goods*
6 *during the one-year period preceding submission of*
7 *the report, including the number of such seizures*
8 *disaggregated by category of good, source country,*
9 *and mode of transport.*

10 (2) *INCREASED INSPECTIONS OF GOODS FROM*
11 *CERTAIN COUNTRIES.—The Commissioner shall in-*
12 *crease inspections of imports of goods from each*
13 *source country identified in the report required by*
14 *paragraph (1) as one of the top source countries of*
15 *counterfeit goods, as determined by the Commissioner.*

16 (b) *PUBLICATION OF CRITERIA FOR NOTORIOUS MAR-*
17 *KETS LIST.—Not later than 2 years after the date of the*
18 *enactment of this Act, and not less frequently than every*
19 *5 years thereafter, the United States Trade Representative*
20 *shall publish in the Federal Register criteria for deter-*
21 *mining that a market is a notorious market for purposes*
22 *of inclusion of that market in the list developed by the*
23 *Trade Representative pursuant to section 182(e) of the*
24 *Trade Act of 1974 (19 U.S.C. 2242(e)) (commonly known*
25 *as the “Notorious Markets List”).*

1 (c) *PUBLICATION OF ACTION PLANS.*—

2 (1) *IN GENERAL.*—Not less frequently than an-
3 nually, the Trade Representative shall publish on an
4 publicly available internet website of the Office of the
5 United States Trade Representative—

6 (A) the action plans for priority watch list
7 countries under section 182(g)(1) of the Trade
8 Act of 1974 (19 U.S.C. 2242(g)(1)) for that year;
9 and

10 (B) for each priority watch list country
11 with respect to which such an action plan is pre-
12 pared, an assessment of the progress of the coun-
13 try in meeting the benchmarks described in sub-
14 paragraph (D) of that section.

15 (2) *PUBLIC HEARINGS.*—Not less frequently than
16 annually, the Trade Representative shall hold public
17 hearings to track the progress of priority watch list
18 countries in meeting the benchmarks described in sub-
19 paragraph (D) of section 182(g)(1) of the Trade Act
20 of 1974 (19 U.S.C. 2242(g)(1)) included in their ac-
21 tion plans under that section.

22 (3) *PRIORITY WATCH LIST COUNTRY DEFINED.*—
23 In this subsection, the term “priority watch list coun-
24 try” means a country identified under section

1 *the efforts of the Secretary to ensure the safety of imported*
2 *processed chicken into the United States.*

3 **(b) REPORT ON COUNTRY-OF-ORIGIN LABELING.**—*Not*
4 *later than one year after the date of the enactment of this*
5 *Act, the United States Trade Representative, in conjunction*
6 *with the Secretary of Agriculture, shall submit to the Com-*
7 *mittee on Finance of the Senate and the Committee on*
8 *Ways and Means of the House of Representatives a report*
9 *on the ruling issued by the World Trade Organization in*
10 *2015 on country-of-origin labeling for beef, pork, and other*
11 *meat products that includes—*

12 **(1) an assessment of the impact of the ruling**
13 *on—*

14 **(A) consumer awareness regarding the ori-**
15 *gin of meat consumed in the United States;*

16 **(B) agricultural producers in the United**
17 *States; and*

18 **(C) the security and resilience of the food**
19 *supply in the United States; and*

20 **(2) if the assessment under paragraph (1) indi-**
21 *cates that the ruling or other market factors in the*
22 *United States, including consolidation of meat proc-*
23 *essors, changes in diet and preferences, or other fac-*
24 *tors, have had a negative impact on consumers in the*
25 *United States, agricultural producers in the United*

1 *States, or the overall security and resilience of the*
2 *food supply in the United States, recommendations*
3 *for such legislative or administrative action as the*
4 *Trade Representative, in conjunction with the Sec-*
5 *retary of Agriculture, considers appropriate—*

6 *(A) to better inform consumers in the*
7 *United States;*

8 *(B) to support agricultural producers in the*
9 *United States; and*

10 *(C) to improve the security and resilience of*
11 *the food supply in the United States.*

12 **SEC. 71024. JOINT ENFORCEMENT WITH ALLIES WITH RE-**
13 **SPECT TO IMPORTATION OF GOODS MADE**
14 **WITH STOLEN INTELLECTUAL PROPERTY.**

15 *(a) IN GENERAL.—Not later than 180 days after the*
16 *date of the enactment of this Act, the United States Trade*
17 *Representative, in coordination with the Secretary of State,*
18 *should seek to enter into negotiations with representatives*
19 *from Australia, Canada, the European Union, Japan, New*
20 *Zealand, South Korea, and the United Kingdom to stop the*
21 *importation of goods made with stolen intellectual property*
22 *into the United States and countries that are allies of the*
23 *United States.*

24 *(b) REPORT REQUIRED.—Not later than one year after*
25 *the date of the enactment of this Act, the Trade Representa-*

1 *tive, in coordination with the Secretary of State, shall sub-*
2 *mit a report on the status of negotiations described in sub-*
3 *section (a) to—*

4 *(1) the Committee on Finance and Committee on*
5 *Foreign Relations of the Senate; and*

6 *(2) the Committee on Foreign Affairs and the*
7 *Committee on Ways and Means of the House of Rep-*
8 *resentatives.*

9 **SEC. 71025. SENSE OF CONGRESS AND REPORT ON ENSUR-**
10 **ING RELIABLE SUPPLY OF RARE EARTH MIN-**
11 **ERALS.**

12 *(a) FINDINGS; SENSE OF CONGRESS.—*

13 *(1) FINDINGS.—Congress makes the following*
14 *findings:*

15 *(A) The People’s Republic of China is the*
16 *global leader in mining, refining, and component*
17 *manufacturing of rare earth elements, producing*
18 *approximately 85 percent of the world’s supply*
19 *between 2011 and 2017.*

20 *(B) In 2019, the United States imported an*
21 *estimated 80 percent of its rare earth compounds*
22 *from the People’s Republic of China.*

23 *(C) On March 26, 2014, the World Trade*
24 *Organization ruled that the People’s Republic of*
25 *China’s export restraints on rare earth minerals*

1 *violated its obligations under its protocol of ac-*
2 *cession to the World Trade Organization, thereby*
3 *harming United States manufacturers and work-*
4 *ers.*

5 *(D) The Chinese Communist Party has*
6 *threatened to leverage the People’s Republic of*
7 *China’s dominant position in the rare earth*
8 *market to “strike back” at the United States.*

9 *(E) The Quadrilateral Security Dialogue is*
10 *an effective partnership for reliable multilateral*
11 *financing, development, and distribution of*
12 *goods for global consumption, as evidenced by the*
13 *Quad Vaccine Partnership announced on March*
14 *12, 2021.*

15 (2) *SENSE OF CONGRESS.—It is the sense of*
16 *Congress that—*

17 *(A) the People’s Republic of China’s domi-*
18 *nant share of the global rare earth mining mar-*
19 *ket is a threat to the economic stability, well*
20 *being, and competitiveness of key industries in*
21 *the United States;*

22 *(B) the United States should reduce reliance*
23 *on the People’s Republic of China for rare earth*
24 *minerals through—*

1 (i) *strategic investments in develop-*
2 *ment projects, production technologies, and*
3 *refining facilities in the United States; or*

4 (ii) *in partnership with strategic allies*
5 *of the United States that are reliable trad-*
6 *ing partners, including members of the*
7 *Quadrilateral Security Dialogue; and*

8 (C) *the United States Trade Representative*
9 *should initiate multilateral talks among the*
10 *countries of the Quadrilateral Security Dialogue*
11 *to promote shared investment and development of*
12 *rare earth minerals.*

13 (b) *REPORT REQUIRED.—*

14 (1) *IN GENERAL.—Not later than 120 days after*
15 *the date of the enactment of this Act, the United*
16 *States Trade Representative, in consultation with the*
17 *officials specified in paragraph (3), shall submit to*
18 *the appropriate committees of Congress a report on*
19 *the work of the Trade Representative to address the*
20 *national security threat posed by the People’s Repub-*
21 *lic of China’s control of nearly $\frac{2}{3}$ of the global supply*
22 *of rare earth minerals.*

23 (2) *ELEMENTS.—The report required by para-*
24 *graph (1) shall include—*

1 (A) a description of the extent of the engage-
2 ment of the United States with the other coun-
3 tries of the Quadrilateral Security Dialogue to
4 promote shared investment and development of
5 rare earth minerals during the period beginning
6 on the date of the enactment of this Act and end-
7 ing on the date of the report; and

8 (B) a description of the plans of the Presi-
9 dent to leverage the partnership of the countries
10 of the Quadrilateral Security Dialogue to
11 produce a more reliable and secure global supply
12 chain of rare earth minerals.

13 (3) *OFFICIALS SPECIFIED.*—The officials speci-
14 fied in this paragraph are the following:

15 (A) The Secretary of State.

16 (B) the Secretary of Commerce.

17 (C) The Chief Executive Officer of the
18 United States International Development Fi-
19 nance Corporation.

20 (4) *APPROPRIATE COMMITTEES OF CONGRESS*
21 *DEFINED.*—In this subsection, the term “appropriate
22 committees of Congress” means—

23 (A) the Committee on Finance, the Com-
24 mittee on Foreign Relations, and the Committee

1 *on Energy and Natural Resources of the Senate;*
 2 *and*

3 *(B) the Committee on Ways and Means, the*
 4 *Committee on Foreign Affairs, and the Com-*
 5 *mittee on Energy and Commerce of the House of*
 6 *Representatives.*

7 ***Subtitle D—Ensuring a Level***
 8 ***Playing Field***

9 ***SEC. 71031. REPORT ON MANNER AND EXTENT TO WHICH***
 10 ***THE GOVERNMENT OF THE PEOPLE’S REPUB-***
 11 ***LIC OF CHINA EXPLOITS HONG KONG TO CIR-***
 12 ***CUMVENT UNITED STATES LAWS AND PRO-***
 13 ***TECTIONS.***

14 *Title III of the United States-Hong Kong Policy Act*
 15 *of 1992 (22 U.S.C. 5731 et seq.) is amended by adding at*
 16 *the end the following:*

17 ***“SEC. 303. REPORT ON MANNER AND EXTENT TO WHICH***
 18 ***THE GOVERNMENT OF THE PEOPLE’S REPUB-***
 19 ***LIC OF CHINA EXPLOITS HONG KONG TO CIR-***
 20 ***CUMVENT UNITED STATES LAWS AND PRO-***
 21 ***TECTIONS.***

22 ***“(a) IN GENERAL.—Not later than 180 days after the***
 23 ***date of the enactment of this section, the Secretary of State***
 24 ***and the United States Trade Representative shall jointly***
 25 ***submit to the appropriate congressional committees a report***

1 *on the manner and extent to which the Government of the*
2 *People’s Republic of China uses the status of Hong Kong*
3 *to circumvent the laws and protections of the United States.*

4 “(b) *ELEMENTS.*—*The report required by subsection*
5 *(a) shall include the following:*

6 “(1) *In consultation with the Secretary of Com-*
7 *merce, the Secretary of Homeland Security, and the*
8 *Director of National Intelligence—*

9 “(A) *an assessment of how the Government*
10 *of the People’s Republic of China uses Hong*
11 *Kong to circumvent export controls of the United*
12 *States; and*

13 “(B) *a list of all significant incidents in*
14 *which the Government of the People’s Republic of*
15 *China used Hong Kong to circumvent those con-*
16 *trols during the reporting period.*

17 “(2) *In consultation with the Secretary of the*
18 *Treasury and the Secretary of Commerce—*

19 “(A) *an assessment of how the Government*
20 *of the People’s Republic of China uses Hong*
21 *Kong to circumvent antidumping or counter-*
22 *vailing duties and duties under section 301 of*
23 *the Trade Act of 1974 (19 U.S.C. 2411) on mer-*
24 *chandise exported to the United States from the*
25 *People’s Republic of China; and*

1 “(B) a list of all significant incidents in
2 which the Government of the People’s Republic of
3 China used Hong Kong to circumvent those du-
4 ties during the reporting period.

5 “(3) In consultation with the Secretary of the
6 Treasury, the Secretary of Homeland Security, and
7 the Director of National Intelligence—

8 “(A) an assessment of how the Government
9 of the People’s Republic of China uses Hong
10 Kong to circumvent sanctions imposed by the
11 United States or pursuant to multilateral re-
12 gimes; and

13 “(B) a list of all significant incidents in
14 which the Government of the People’s Republic of
15 China used Hong Kong to circumvent those sanc-
16 tions during the reporting period.

17 “(4) In consultation with the Secretary of Home-
18 land Security and the Director of National Intel-
19 ligence—

20 “(A) an assessment of how the Government
21 of the People’s Republic of China uses formal or
22 informal means to extradite or coercively move
23 foreign nationals, including United States per-
24 sons, from Hong Kong to the People’s Republic
25 of China; and

1 “(B) a list of foreign nationals, including
2 United States persons, who have been formally or
3 informally extradited or coercively moved from
4 Hong Kong to the People’s Republic of China.

5 “(5) In consultation with the Secretary of De-
6 fense, the Director of National Intelligence, and the
7 Director of Homeland Security—

8 “(A) an assessment of how the intelligence,
9 security, and law enforcement agencies of the
10 Government of the People’s Republic of China,
11 including the Ministry of State Security, the
12 Ministry of Public Security, and the People’s
13 Armed Police, use the Hong Kong Security Bu-
14 reau and other security agencies in Hong Kong
15 to conduct espionage on foreign nationals, in-
16 cluding United States persons, conduct influence
17 operations, or violate civil liberties guaranteed
18 under the laws of Hong Kong; and

19 “(B) a list of all significant incidents of
20 such espionage, influence operations, or viola-
21 tions of civil liberties during the reporting pe-
22 riod.

23 “(c) *FORM OF REPORT; AVAILABILITY.*—

1 “(1) *FORM.*—*The report required by subsection*
2 *(a) shall be submitted in unclassified form, but may*
3 *include a classified index.*

4 “(2) *AVAILABILITY.*—*The unclassified portion of*
5 *the report required by subsection (a) shall be posted*
6 *on a publicly available internet website of the Depart-*
7 *ment of State.*

8 “(d) *DEFINITIONS.*—*In this section:*

9 “(1) *APPROPRIATE CONGRESSIONAL COMMIT-*
10 *TEES.*—*The term ‘appropriate congressional commit-*
11 *tees’ means—*

12 “(A) *the Committee on Foreign Relations,*
13 *the Committee on Banking, Housing, and Urban*
14 *Affairs, the Committee on Finance, and the Se-*
15 *lect Committee on Intelligence of the Senate; and*

16 “(B) *the Committee on Foreign Affairs, the*
17 *Committee on Financial Services, the Permanent*
18 *Select Committee on Intelligence, and the Com-*
19 *mittee on Ways and Means of the House of Rep-*
20 *resentatives.*

21 “(2) *FOREIGN NATIONAL.*—*The term ‘foreign na-*
22 *tional’ means a person that is neither—*

23 “(A) *an individual who is a citizen or na-*
24 *tional of the People’s Republic of China; or*

1 “(B) an entity organized under the laws of
2 the People’s Republic of China or of a jurisdic-
3 tion within the People’s Republic of China.

4 “(3) *REPORTING PERIOD.*—The term ‘reporting
5 period’ means the 5-year period preceding submission
6 of the report required by subsection (a).

7 “(4) *UNITED STATES PERSON.*—The term
8 ‘United States person’ means—

9 “(A) a United States citizen or an alien
10 lawfully admitted for permanent residence to the
11 United States; or

12 “(B) an entity organized under the laws of
13 the United States or of any jurisdiction within
14 the United States, including a foreign branch of
15 such an entity.”.

16 **SEC. 71032. ASSESSMENT OF OVERCAPACITY OF INDUS-**
17 **TRIES IN THE PEOPLE’S REPUBLIC OF CHINA.**

18 (a) *REPORT ON OVERCAPACITY.*—

19 (1) *IN GENERAL.*—Not later than one year after
20 the date of the enactment of this Act, and annually
21 thereafter, the United States Trade Representative, in
22 consultation with the Secretary of Commerce, shall
23 submit to the Committee on Finance of the Senate
24 and the Committee on Ways and Means of the House

1 *of Representatives a report on overcapacity of indus-*
2 *tries in the People's Republic of China.*

3 (2) *ELEMENTS.*—*The report required by para-*
4 *graph (1) shall include—*

5 (A) *a determination on whether over-*
6 *capacity resulting from industrial policy exists*
7 *in any major industry in the People's Republic*
8 *of China; and*

9 (B) *a description of the effects of that over-*
10 *capacity on industry in the United States.*

11 (b) *BRIEFING.*—*Not later than 180 days after a posi-*
12 *tive determination of overcapacity under subsection*
13 *(a)(2)(A), the Trade Representative shall brief the Com-*
14 *mittee on Finance of the Senate and the Committee on*
15 *Ways and Means of the House of Representatives regarding*
16 *the steps taken to address that overcapacity, which may in-*
17 *clude—*

18 (1) *discussions with allies;*

19 (2) *negotiations at an appropriate multilateral*
20 *institution to which the United States is a party; and*

21 (3) *bilateral negotiations with the People's Re-*
22 *public of China.*

23 (c) *DETERMINATION OF SUBSTANTIAL REDUCTION.*—
24 *Not later than each of one year and two years after a brief-*
25 *ing under subsection (b) with respect to a positive deter-*

1 *mination of overcapacity under subsection (a)(2)(A), the*
2 *Trade Representative shall submit to the Committee on Fi-*
3 *nance of the Senate and the Committee on Ways and Means*
4 *of the House of Representatives a report containing a deter-*
5 *mination of whether the steps taken to address that over-*
6 *capacity are likely to lead to a substantive reduction in*
7 *that overcapacity.*

8 **SEC. 71033. DUTIES OF INTERAGENCY CENTER ON TRADE**
9 **IMPLEMENTATION, MONITORING, AND EN-**
10 **FORCEMENT.**

11 *Section 141(h)(2) of the Trade Act of 1974 (19 U.S.C.*
12 *2171(h)(2)) is amended—*

13 *(1) by redesignating subparagraphs (C) and (D)*
14 *as subparagraphs (D) and (E), respectively; and*

15 *(2) by inserting after subparagraph (B) the fol-*
16 *lowing:*

17 *“(C) investigating practices of countries*
18 *that are major trading partners of the United*
19 *States in order to identify and address violations*
20 *of trade agreements and other practices that have*
21 *systemic, diffuse impacts on the economy and*
22 *workers of the United States or systemic impacts*
23 *on the resiliency of multiple critical domestic*
24 *supply chains;”.*

1 **SEC. 71034. BRIEFING ON REPORT RELATED TO PROCESS**
 2 **FOR EXCLUDING ARTICLES IMPORTED FROM**
 3 **THE PEOPLE’S REPUBLIC OF CHINA FROM**
 4 **CERTAIN DUTIES IMPOSED UNDER SECTION**
 5 **301 OF THE TRADE ACT OF 1974.**

6 *Not later than 90 days after the publication by the*
 7 *Comptroller General of the United States of the report re-*
 8 *quested by Congress on July 16, 2019, for an audit into*
 9 *the process by which the United States Trade Representa-*
 10 *tive has excluded articles imported from the People’s Repub-*
 11 *lic of China from certain duties imposed under section 301*
 12 *of the Trade Act of 1974 (19 U.S.C. 2411), the Trade Rep-*
 13 *resentative, or a designee of the Trade Representative, shall*
 14 *brief the appropriate congressional committees on the man-*
 15 *ner in which the Trade Representative is responding to the*
 16 *findings contained in that report.*

17 **TITLE II—ENSURING RESIL-**
 18 **ENCY IN CRITICAL SUPPLY**
 19 **CHAINS**

20 **SEC. 72001. FACILITATING TRADE IN ESSENTIAL SUPPLIES.**

21 *(a) IN GENERAL.—The Trade Act of 1974 (19 U.S.C.*
 22 *2101 et seq.) is amended by adding at the end the following:*

23 **“TITLE X—FACILITATING TRADE**
 24 **IN ESSENTIAL SUPPLIES**

25 **“SEC. 1001. DEFINITIONS.**

26 *“In this title:*

1 “(1) *COMMITTEE.*—*The term ‘Committee’ means*
2 *the Committee on Trade in Essential Supplies estab-*
3 *lished under section 1002.*

4 “(2) *CRISIS PREPAREDNESS.*—*The term ‘crisis*
5 *preparedness’ means ensuring access to goods in the*
6 *Strategic National Stockpile and goods necessary to*
7 *ensure the continued functioning of critical infra-*
8 *structure in a crisis.*

9 “(3) *CRITICAL INFRASTRUCTURE.*—*The term*
10 *‘critical infrastructure’ means systems and assets,*
11 *whether physical or virtual, so vital to the United*
12 *States that the incapacity or destruction of such sys-*
13 *tems and assets would have a debilitating impact on*
14 *the national security of, or public health or safety in,*
15 *the United States, or any combination of those mat-*
16 *ters.*

17 “(4) *ESSENTIAL MEDICAL SUPPLY.*—*The term*
18 *‘essential medical supply’ means any supply that is*
19 *part of the Strategic National Stockpile.*

20 “(5) *ESSENTIAL SUPPLY.*—*The term ‘essential*
21 *supply’ means any supply determined by the Trade*
22 *Representative to be critical to crisis preparedness,*
23 *including essential medical supplies (including per-*
24 *sonal protective equipment), critical infrastructure*

1 *items, and other supplies identified as essential by the*
2 *Trade Representative under section 1003(b).*

3 “(6) *STRATEGIC NATIONAL STOCKPILE.*—*The*
4 *term ‘Strategic National Stockpile’ means the stock-*
5 *pile established under Section 319F–2 of the Public*
6 *Health Service Act (42 U.S.C. 247d–6b).*

7 “(7) *TRADE REPRESENTATIVE.*—*The term ‘Trade*
8 *Representative’ means the United States Trade Rep-*
9 *resentative.*

10 “(8) *UNITED STATES PERSON.*—*The term*
11 *‘United States person’ means—*

12 “(A) *a United States citizen or an alien*
13 *lawfully admitted for permanent residence to the*
14 *United States; or*

15 “(B) *an entity organized under the laws of*
16 *the United States or of any jurisdiction within*
17 *the United States.*

18 “(9) *UNRELIABLE PERSON.*—*The term ‘unreli-*
19 *able person’ means any entity or individual that the*
20 *Trade Representative determines works in concert*
21 *with, or under the influence of, an unreliable trading*
22 *partner to engage in the theft or misappropriation of*
23 *intellectual property or trade secrets relating to an es-*
24 *sential supply.*

1 “(10) *UNRELIABLE TRADING PARTNER.*—*The*
2 *term ‘unreliable trading partner’ means any country*
3 *the government of which the Trade Representative de-*
4 *termines—*

5 “(A) *engages in systematic theft of intellec-*
6 *tual property or trade secrets; or*

7 “(B) *is likely to utilize export restrictions*
8 *or other measures to prevent the United States*
9 *from importing an essential supply.*

10 **“SEC. 1002. COMMITTEE ON TRADE IN ESSENTIAL SUPPLIES**
11 ***IN THE UNITED STATES.***

12 “(a) *ESTABLISHMENT.*—*There is established a com-*
13 *mittee, to be known as the ‘Committee on Trade in Essen-*
14 *tial Supplies in the United States’.*

15 “(b) *MEMBERSHIP.*—*The Committee shall be composed*
16 *of the following:*

17 “(1) *The Trade Representative, who shall serve*
18 *as the chairperson of the Committee.*

19 “(2) *The Secretary of Commerce.*

20 “(3) *The Secretary of Defense.*

21 “(4) *The Secretary of the Treasury.*

22 “(5) *The Secretary of Homeland Security.*

23 “(6) *The Secretary of State.*

24 “(7) *The Secretary of Health and Human Serv-*
25 *ices.*

1 “(8) *The Administrator of the Federal Emer-*
2 *gency Management Agency.*

3 “(9) *The Secretary of Energy.*

4 “(10) *The Secretary of Transportation.*

5 “(11) *The heads of such other agencies as the*
6 *Trade Representative considers appropriate.*

7 “(c) *DUTIES.—The Committee shall—*

8 “(1) *examine United States trade flows and sup-*
9 *ply chains for essential supplies;*

10 “(2) *prepare and submit reports in accordance*
11 *with section 1003(c);*

12 “(3) *facilitate a whole-of-government strategy to*
13 *ensure that the United States has reliable access to es-*
14 *sential supplies from its trading partners; and*

15 “(4) *advise private United States enterprises*
16 *that produce or procure essential supplies on recog-*
17 *nizing potential threats to their supply chains by*
18 *identifying unreliable trading partners and unreliable*
19 *persons.*

20 **“SEC. 1003. IDENTIFICATION OF AND REPORT ON ACCESS**
21 **TO ESSENTIAL SUPPLIES.**

22 “(a) *PUBLIC COMMENTS.—*

23 “(1) *SOLICITATION.—Not later than 60 days*
24 *after the date of the enactment of this title, the Trade*
25 *Representative shall, on behalf of the Committee, pub-*

1 *lish a notice soliciting public comments to facilitate*
2 *the identification of essential supplies under sub-*
3 *section (b) and the preparation of the report required*
4 *by subsection (c).*

5 *“(2) PROTECTION OF BUSINESS CONFIDENTIAL*
6 *INFORMATION.—The Trade Representative shall en-*
7 *sure that any business confidential information that*
8 *is submitted under this subsection is properly pro-*
9 *tected from disclosure.*

10 *“(b) IDENTIFICATION OF ESSENTIAL SUPPLIES.—*
11 *After reviewing the public comments submitted pursuant to*
12 *subsection (a), the Trade Representative shall, in consulta-*
13 *tion with the other members of the Committee, identify sup-*
14 *plies that are critical to crisis preparedness and are to be*
15 *considered essential supplies for purposes of this title.*

16 *“(c) REPORT REQUIRED.—Not later than one year*
17 *after the date of the enactment of this title, and not less*
18 *frequently than every 3 years thereafter for the following*
19 *9 years, the Committee shall submit to Congress a report—*

20 *“(1) identifying—*

21 *“(A) the major producers in the United*
22 *States and abroad that produce essential sup-*
23 *plies for the United States;*

1 “(B) the duties applied by the United
2 States and major trading partners to such sup-
3 plies;

4 “(C) the aggregate trade flows of essential
5 supplies from and into the United States; and

6 “(D) unreliable trading partners and unre-
7 liable persons that have stolen or misappro-
8 priated the intellectual property or trade secrets
9 of United States persons with respect to essential
10 supplies;

11 “(2) describing—

12 “(A) information on foreign trade barriers
13 and other factors that may affect United States
14 trade in essential supplies;

15 “(B) the current domestic manufacturing
16 base and supply chains for essential supplies, in-
17 cluding raw materials and other goods essential
18 to the production of those supplies;

19 “(C) the ability of the United States to
20 maintain readiness and to surge production of
21 essential supplies in response to an emergency,
22 including by resorting to the Strategic National
23 Stockpile; and

24 “(D) the practices and acts of unreliable
25 trading partners and unreliable persons—

1 “(i) with respect to the theft or mis-
2 appropriation of intellectual property or
3 trade secrets; or

4 “(ii) that may threaten United States
5 investments in essential supplies;

6 “(3) identifying defense, intelligence, homeland,
7 economic, natural, geopolitical, or other contingencies
8 that may disrupt, strain, compromise, or eliminate
9 the supply chain for essential supplies;

10 “(4) assessing the resiliency and capacity of the
11 domestic manufacturing base and supply chains to
12 support the need for those essential supplies, includ-
13 ing any single points of failure in those supply
14 chains;

15 “(5) assessing flexible manufacturing capacity
16 available in the United States in cases of emergency;
17 and

18 “(6) making specific recommendations to en-
19 sure—

20 “(A) the supply of imported essential sup-
21 plies remains reliable, including through tariff
22 relief or enforcement actions against foreign
23 trade barriers;

24 “(B) domestic stockpiles remain adequate
25 for crisis preparedness;

1 “(C) domestic manufacturing capacity and
2 supply chains remain resilient; and

3 “(D) United States persons can avoid risks
4 presented by unreliable trading partners and un-
5 reliable persons.”.

6 **“SEC. 1004. FACILITATING ACCESS TO ESSENTIAL MEDICAL**
7 **SUPPLIES.**

8 “(a) *AUTHORITY TO REDUCE OR SUSPEND DUTIES ON*
9 *ESSENTIAL MEDICAL SUPPLIES.*—

10 “(1) *IN GENERAL.*—*The President may reduce or*
11 *suspend the collection of any duty on any essential*
12 *medical supply for a period of not more than 180*
13 *days beginning on the date on which the President*
14 *submits to the Committee on Finance of the Senate*
15 *and the Committee on Ways and Means of the House*
16 *of Representatives a certification that the reduction or*
17 *suspension is necessary for crisis preparedness.*

18 “(2) *LIMITATION ON SUBSEQUENT ACTION.*—*If*
19 *the President reduces or suspends the collection of a*
20 *duty on an essential medical supply under paragraph*
21 *(1), the President may not further reduce or suspend*
22 *duties on that supply under that paragraph until the*
23 *date this one year after the preceding reduction or*
24 *suspension.*

1 “(b) *TEMPORARY SUSPENSION OF DUTIES ON ARTI-*
2 *CLES NEEDED TO COMBAT THE COVID-19 PANDEMIC.—*

3 “(1) *IN GENERAL.—An article described in para-*
4 *graph (2) entered, or withdrawn from warehouse for*
5 *consumption, during the period specified in para-*
6 *graph (4) shall enter the United States free of duty,*
7 *including free of any duty that may be imposed as*
8 *a penalty or otherwise imposed in addition to other*
9 *duties, including any duty imposed pursuant to—*

10 “(A) *section 301 of the Trade Act of 1974*
11 *(19 U.S.C. 2411);*

12 “(B) *section 232 of the Trade Expansion*
13 *Act of 1962 (19 U.S.C. 1862); or*

14 “(C) *the International Emergency Eco-*
15 *nomics Powers Act (50 U.S.C. 1701 et seq.).*

16 “(2) *ARTICLES DESCRIBED.—An article is de-*
17 *scribed in this paragraph if the article is—*

18 “(A) *classified under any of the statistical*
19 *reporting numbers of the Harmonized Tariff*
20 *Schedule of the United States specified in para-*
21 *graph (3); or*

22 “(B) *identified by the United States Inter-*
23 *national Trade Commission, after the date of the*
24 *enactment of this title, as an article related to*

1 *the response to the coronavirus disease 2019*
 2 *(commonly referred to as ‘COVID–19’) pandemic*
 3 “(3) *STATISTICAL REPORTING NUMBERS SPECI-*
 4 *FIED.—The statistical reporting numbers specified in*
 5 *this paragraph are the following:*

“2207.10.6090	3808.94.5090	6505.00.9089
2208.90.8000	3821.00.0010	7311.00.0090
2804.40.0000	3821.00.0090	7324.90.0000
2847.00.0000	3822.00.1090	7613.00.0000
3002.13.0010	3822.00.5050	8419.20.0010
3002.13.0090	3822.00.5095	8419.20.0020
3002.14.0010	3822.00.6000	8421.39.8040
3002.14.0090	3824.99.9297	8705.90.0010
3002.15.0010	3923.21.0095	8705.90.0020
3002.15.0090	3923.29.0000	8705.90.0080
3002.19.0000	3926.20.1010	8713.10.0000
3002.20.0020	3926.20.1020	8713.90.0030
3002.20.0040	3926.20.9010	8713.90.0060
3003.20.0060	3926.20.9050	9004.90.0010
3002.20.0080	3926.90.9910	9004.90.0090
3003.10.0000	3926.90.9950	9018.11.3000
3003.20.0000	3926.90.9985	9018.11.6000
3003.60.0000	4015.11.0110	9018.11.9000
3003.90.0120	4015.11.0150	9018.12.0000
3003.90.0140	4015.19.0510	9018.19.4000
3003.90.0160	4015.19.0550	9018.19.5500
3003.90.0180	4015.19.1010	9018.19.7500
3003.90.0190	4015.90.0010	9018.31.0040
3004.10.1020	4015.90.0050	9018.31.0080
3004.10.1045	4818.50.0020	9018.31.0090
3004.10.5045	4818.50.0080	9018.32.0000
3004.10.5060	4818.90.0020	9018.39.0020
3004.20.0020	4818.90.0080	9018.39.0040
3004.20.0030	6116.10.6500	9018.39.0050
3004.20.0060	6210.10.2000	9018.90.3000
3004.49.0060	6210.10.5010	9018.90.7580
3004.60.0000	6210.10.5090	9018.90.8000
3004.90.1000	6210.10.9010	9019.20.0000
3004.90.9207	6210.10.9040	9020.00.6000
3004.90.9209	6210.50.3500	9020.00.9000
3004.90.9211	6210.50.7500	9022.12.0000
3004.90.9214	6216.00.5420	9025.19.8010
3004.90.9285	6307.90.6090	9025.19.8020
3004.90.9290	6307.90.6800	9025.19.8060
3005.10.5000	6307.90.7200	9025.19.8085
3005.90.5090	6307.90.8910	9026.80.4000
3006.70.0000	6307.90.9845	9027.80.2500
3401.11.5000	6307.90.9850	9027.80.4530
3401.19.0000	6307.90.9870	9028.20.0000
3401.20.0000	6307.90.9875	9402.90.0010
3808.94.1000	6307.90.9891	9402.90.0020
3808.94.5010	6505.00.0100	
3808.94.5050	6505.00.8015	

6 “(4) *PERIOD SPECIFIED.—The period specified*
 7 *in this paragraph is the period—*

1 “(A) beginning on the date that is 15 days
2 after the date of the enactment of this title; and

3 “(B) ending on January 15, 2023.”.

4 (b) *CLERICAL AMENDMENT.*—*The table of contents for*
5 *the Trade Act of 1974 is amended by adding at the end*
6 *the following:*

 “TITLE X—FACILITATING TRADE IN ESSENTIAL SUPPLIES

 “Sec. 1001. Definitions.

 “Sec. 1002. Committee on Trade in Essential Supplies in the United States.

 “Sec. 1003. Identification of and report on access to essential supplies.

 “Sec. 1004. Facilitating access to essential medical supplies.”.

7 **SEC. 72002. SUPPLY CHAIN DATABASE AND TOOLKIT.**

8 (a) *ESTABLISHMENT.*—

9 (1) *IN GENERAL.*—*Not later than 180 days after*
10 *the date of the enactment of this Act, the Secretary of*
11 *Commerce shall establish a database and online tool-*
12 *kit under which—*

13 (A) *United States businesses may volun-*
14 *tarily submit to the Secretary information on—*

15 (i) *the products produced by such busi-*
16 *nesses in the United States, which may be*
17 *finished goods or inputs for other goods;*

18 (ii) *the inputs required for such prod-*
19 *ucts, which may include, with respect to*
20 *such an input—*

21 (I) *the specific geographic location*
22 *of the production of the input, includ-*

1 *ing if the input is sourced from the*
2 *United States or a foreign country;*

3 *(II) the business name of a sup-*
4 *plier of the input;*

5 *(III) information related to per-*
6 *ceived or realized challenges in secur-*
7 *ing the input;*

8 *(IV) information related to the*
9 *suspected vulnerabilities or implica-*
10 *tions of a disruption in securing the*
11 *input, whether related to national secu-*
12 *rity or the effect on the United States*
13 *business; or*

14 *(V) in the case of an input*
15 *sourced from a foreign country, infor-*
16 *mation on—*

17 *(aa) why the input is sourced*
18 *from a foreign country rather*
19 *than in the United States; and*

20 *(bb) if the United States*
21 *business would be interested in*
22 *identifying an alternative pro-*
23 *duced in the United States;*

24 *(B) United States businesses may request*
25 *and receive contact information or general infor-*

1 *mation about a United States source or a foreign*
2 *source for an input;*

3 *(C) United States businesses are able to*
4 *specify—*

5 *(i) what information can be shared*
6 *with other United States businesses;*

7 *(ii) what information should be shared*
8 *only with the Department of Commerce;*
9 *and*

10 *(iii) what information could be sub-*
11 *mitted to Congress or made available to the*
12 *public; and*

13 *(D) the Secretary makes information pro-*
14 *vided under this paragraph available, subject to*
15 *subparagraph (C), to enable other United States*
16 *businesses to identify inputs for their products*
17 *produced in the United States.*

18 *(2) FORMAT; PUBLIC AVAILABILITY.—The Sec-*
19 *retary shall—*

20 *(A) provide the database and online toolkit*
21 *established under paragraph (1) on a publicly*
22 *available website of the Department of Com-*
23 *merce; and*

24 *(B) ensure that the database and online*
25 *toolkit are—*

- 1 (i) searchable and filterable according
2 to the type of information; and
3 (ii) presented in a user-friendly for-
4 mat.

5 (3) *EXEMPTION FROM PUBLIC DISCLOSURE.*—In-
6 formation submitted to the Secretary in relation to
7 the database and online toolkit established under
8 paragraph (1)—

9 (A) may not be considered public records
10 and shall be exempt from any Federal law relat-
11 ing to public disclosure requirements; and

12 (B) may not be subject to discovery or ad-
13 mission as public information or evidence in ju-
14 dicial or administrative proceedings without the
15 consent of the United States business that sub-
16 mitted the information.

17 (4) *REPORTING.*—

18 (A) *REPORT TO CONGRESS.*—Not later than
19 180 days after the date of the enactment of this
20 Act, and every 180 days thereafter, the Secretary
21 shall submit to Congress a report that includes—

22 (i) an assessment of the effectiveness of
23 the database and online toolkit established
24 under paragraph (1), including statistics
25 regarding the number of new entries, total

1 *businesses involved, and any change in par-*
2 *ticipation rate during the preceding 180-*
3 *day period;*

4 *(ii) recommendations for additional*
5 *actions to improve the database and online*
6 *toolkit and participation in the database*
7 *and online toolkit; and*

8 *(iii) such other information as the Sec-*
9 *retary considers appropriate.*

10 *(B) PUBLIC REPORT.—Not later than one*
11 *year after the date of the enactment of this Act,*
12 *and annually thereafter, the Secretary shall post*
13 *on a publicly available website of the Depart-*
14 *ment of Commerce a report that sets forth—*

15 *(i) general statistics related to foreign*
16 *and domestic sourcing of inputs used by*
17 *United States businesses;*

18 *(ii) an estimate of the percentage of*
19 *total inputs used by United States busi-*
20 *nesses obtained from foreign countries;*

21 *(iii) data on such inputs disaggregated*
22 *by industry, geographical location, and size*
23 *of operation; and*

1 (iv) a description of the methodology
2 used to calculate the statistics and estimates
3 required by this paragraph.

4 (b) *PUBLIC OUTREACH CAMPAIGN.*—

5 (1) *IN GENERAL.*—*The Secretary shall carry out*
6 *a national public outreach campaign—*

7 (A) *to educate United States businesses*
8 *about the existence of the database and online*
9 *toolkit established under subsection (a); and*

10 (B) *to facilitate and encourage the partici-*
11 *ipation of such businesses in the database and on-*
12 *line toolkit.*

13 (2) *OUTREACH REQUIREMENT.*—*In carrying out*
14 *the campaign under paragraph (1), the Secretary*
15 *shall—*

16 (A) *establish an advertising and outreach*
17 *program directed to businesses, industries, State*
18 *and local agencies, chambers of commerce, and*
19 *labor organizations—*

20 (i) *to facilitate understanding of the*
21 *value of an aggregated demand mapping*
22 *system; and*

23 (ii) *to advertise that the database and*
24 *online toolkit established under subsection*
25 *(a) are available for that purpose;*

1 (B) notify appropriate State agencies not
2 later than 10 days after the date of the enact-
3 ment of this Act regarding the development of the
4 database and online toolkit; and

5 (C) post a notice on a publicly available
6 website of the Department of Commerce and es-
7 tablish a social media awareness campaign to
8 advertise the database and online toolkit.

9 (3) COORDINATION.—In carrying out the cam-
10 paign under paragraph (1), the Secretary may co-
11 ordinate with other Federal agencies and State or
12 local agencies as appropriate.

13 (4) SEPARATE ACCOUNTING.—

14 (A) BUDGETARY LINE ITEM.—The Secretary
15 shall include in the budget justification mate-
16 rials submitted to Congress in support of the De-
17 partment of Commerce budget for fiscal years
18 2023 and 2024 (as submitted with the budget of
19 the President under section 1105(a) of title 31,
20 United States Code) specific identification, as a
21 budgetary line item, of the amounts required to
22 carry out the campaign under paragraph (1).

23 (B) PROHIBITION ON COMMINGLING.—
24 Amounts appropriated to carry out this sub-
25 section may not be commingled with any other

1 *amounts appropriated to the Department of*
2 *Commerce.*

3 (c) *USE OF DEPARTMENT OF COMMERCE RE-*
4 *SOURCES.—*

5 (1) *IN GENERAL.—The Secretary —*

6 (A) *shall, to the maximum extent prac-*
7 *ticable, construct the database and online toolkit*
8 *required by subsection (a), and related analyt-*
9 *ical features, using expertise within the Depart-*
10 *ment of Commerce; and*

11 (B) *may, as appropriate, adopt new tech-*
12 *nologies and hire additional employees to carry*
13 *out this section.*

14 (2) *MINIMIZATION OF CONTRACTING.—If the ac-*
15 *tivities described in subparagraphs (A) and (B) of*
16 *paragraph (1) cannot be completed without the em-*
17 *ployment of contractors, the Secretary should seek to*
18 *minimize the number of contractors and the scope of*
19 *the contract.*

20 (d) *TERMINATION.—This section shall terminate on*
21 *September 30, 2025.*

1 **TITLE III—IMPROVING TRANS-**
 2 **PARENCY AND ADMINISTRATION**
 3 **OF TRADE PROGRAMS**
 4 **AND OVERSIGHT AND AC-**
 5 **COUNTABILITY OF TRADE**
 6 **AGENCIES**

7 **SEC. 73001. PROCESS FOR EXCLUSION OF ARTICLES FROM**
 8 **DUTIES UNDER SECTION 301 OF THE TRADE**
 9 **ACT OF 1974.**

10 (a) *ESTABLISHMENT OF GENERAL EXCLUSION PROC-*
 11 *ESS.—*

12 (1) *IN GENERAL.—Title III of the Trade Act of*
 13 *1974 (19 U.S.C. 2411 et seq.) is amended by inserting*
 14 *after section 305 the following:*

15 **“SEC. 305A. PROCESS FOR EXCLUSION OF ARTICLES FROM**
 16 **DUTIES.**

17 *“(a) ANALYSIS OF ALTERNATIVE ACTION.—Subject to*
 18 *subsection (d), before taking action under section 301(b),*
 19 *the Trade Representative shall analyze the impact of the*
 20 *action on United States entities, particularly small entities,*
 21 *and consumers in the United States with a goal of miti-*
 22 *gating the impact of duties on United States entities and*
 23 *consumers in the United States, including by evaluating*
 24 *alternatives or modifications to particular actions.*

25 *“(b) PROCESS FOR EXCLUSION FROM DUTIES.—*

1 “(1) *IN GENERAL.*—Subject to subsection (d), the
2 *Trade Representative shall establish and maintain a*
3 *process for exclusion requests from duties under sec-*
4 *tion 301(b) unless the Trade Representative deter-*
5 *mines and certifies to the appropriate congressional*
6 *committees that maintaining an exclusion process—*

7 “(A) *would impair the ability of the United*
8 *States to maintain effective pressure to remove*
9 *unreasonable or discriminatory practices bur-*
10 *dening commerce in the United States; or*

11 “(B) *is impractical due to the low value of*
12 *the duties imposed.*

13 “(2) *BRIEFING.*—If the *Trade Representative*
14 *makes a certification under paragraph (1), not later*
15 *than 3 days before making the certification, the Trade*
16 *Representative shall brief the appropriate congress-*
17 *sional committees regarding the reasons for the cer-*
18 *tification.*

19 “(3) *CONTINUED CERTIFICATION.*—If the *Trade*
20 *Representative makes a certification under paragraph*
21 *(1) with respect to duties under section 301(b), not*
22 *less frequently than once every 180 days while those*
23 *duties are in effect, the Trade Representative shall de-*
24 *termine and certify to the appropriate congressional*
25 *committees that the reasons for forgoing an exclusion*

1 *process with respect to those duties continue to be*
2 *present.*

3 “(c) *IMPLEMENTATION OF EXCLUSION PROCESS.*—

4 “(1) *IN GENERAL.*—*In implementing an exclu-*
5 *sion process required under subsection (b)(1), the*
6 *Trade Representative shall consider whether and*
7 *which criteria described in paragraph (2), and such*
8 *other criteria as the Trade Representative considers*
9 *appropriate under the circumstances, are appropriate*
10 *to apply in the exclusion process.*

11 “(2) *CRITERIA DESCRIBED.*—*The criteria de-*
12 *scribed in this paragraph for exclusion of articles*
13 *from duties under section 301(b) include the fol-*
14 *lowing:*

15 “(A) *Whether the failure to grant the exclu-*
16 *sion would result in severe economic harm to the*
17 *requester.*

18 “(B) *Whether the article or a reasonable*
19 *substitute is not commercially available to the*
20 *requester.*

21 “(C) *Whether the imposition of the duty*
22 *with respect to the article would unreasonably*
23 *increase consumer prices for day-to-day items*
24 *consumed by low- or middle-income families in*
25 *the United States.*

1 “(D) Whether the imposition of the duty
2 would have an unreasonable impact on manufac-
3 turing output of the United States.

4 “(E) Whether the imposition of the duty
5 would have an unreasonable impact on the abil-
6 ity of an entity to fulfill contracts or to build
7 critical infrastructure.

8 “(F) Whether the failure to grant the exclu-
9 sion is likely to result in a particular entity or
10 entities having the ability to abuse a dominant
11 market position.

12 “(d) *EXCLUSION OF CERTAIN DUTIES.*—This section
13 shall not apply to duties imposed under section 301(b) pur-
14 suant to a dispute resolution process under the World Trade
15 Organization.

16 “(e) *PUBLICATION OF NOTICE.*—Subject to subsection
17 (d), not later than 90 days after imposing any duty under
18 section 301(b), the Trade Representative, in consultation
19 with such other Federal agencies as the Trade Representa-
20 tive considers appropriate, shall publish a notice in the
21 Federal Register regarding the criteria that the Trade Rep-
22 resentative will apply and the evidence it will evaluate in
23 determining whether a request for exclusion from such duty
24 satisfies the requirements of the exclusion process under sub-
25 section (b)(1).

1 “(f) *DEFINITIONS.*—*In this section:*

2 “(1) *APPROPRIATE CONGRESSIONAL COMMIT-*
3 *TEES.*—*The term ‘appropriate congressional commit-*
4 *tees’ means—*

5 “(A) *the Committee on Finance of the Sen-*
6 *ate; and*

7 “(B) *the Committee on Ways and Means of*
8 *the House of Representatives.*

9 “(2) *SEVERE ECONOMIC HARM.*—*The term ‘se-*
10 *vere economic harm’, with respect to an exclusion*
11 *from duties requested by a United States entity, in-*
12 *cludes circumstances under which failure to grant the*
13 *exclusion would—*

14 “(A) *render the business of the entity un-*
15 *profitable; or*

16 “(B) *result in a significant number or pro-*
17 *portion of the workers employed by the entity be-*
18 *coming totally separated from employment.*

19 “(3) *SMALL ENTITIES.*—*The term ‘small entities’*
20 *has the meaning given the term ‘small entity’ in sec-*
21 *tion 601 of title 5, United States Code.*

22 “(4) *UNITED STATES ENTITY.*—*The term ‘United*
23 *States entity’ means an entity organized under the*
24 *laws of the United States or of any jurisdiction with-*

1 *in the United States, including a foreign branch of*
2 *such an entity.”.*

3 (2) *CLERICAL AMENDMENT.—The table of con-*
4 *tents for the Trade Act of 1974 is amended by insert-*
5 *ing after the item relating to section 305 the fol-*
6 *lowing:*

 “*Sec. 305A. Process for exclusion of articles from duties.*”.

7 (b) *ESTABLISHMENT OF EXCLUSION PROCESS FOR*
8 *CERTAIN DUTIES RELATING TO PEOPLE’S REPUBLIC OF*
9 *CHINA.—*

10 (1) *IN GENERAL.—Notwithstanding any other*
11 *provision of law, the United States Trade Representa-*
12 *tive shall establish a process pursuant to which*
13 *United States entities and associations of those enti-*
14 *ties may request the exclusion of articles from duties*
15 *described in paragraph (2).*

16 (2) *DUTIES DESCRIBED.—The duties described*
17 *in this paragraph are duties imposed pursuant to the*
18 *investigation initiated under section 301 of the Trade*
19 *Act of 1974 (19 U.S.C. 2411) on August 18, 2017,*
20 *and with respect to which notice was published in the*
21 *Federal Register on August 24, 2017 (82 Fed. Reg.*
22 *40213).*

23 (3) *IMPLEMENTATION OF EXCLUSION PROCESS.—*
24 *In implementing the process established under para-*
25 *graph (1) for exclusion of articles from duties de-*

1 *scribed in paragraph (2), if the exclusion of the arti-*
2 *cle can likely be administered by U.S. Customs and*
3 *Border Protection—*

4 *(A) the Trade Representative shall exclude*
5 *that article from the imposition of such a duty*
6 *if the Trade Representative determines, following*
7 *a request from a United States entity or an asso-*
8 *ciation of those entities, that the failure to grant*
9 *the exclusion would result in severe economic*
10 *harm to the requester;*

11 *(B) unless the Trade Representative deter-*
12 *mines that granting the exclusion would impair*
13 *the ability of the United States to maintain ef-*
14 *fective pressure to remove an unreasonable or*
15 *discriminatory practice burdening United States*
16 *commerce, the Trade Representative shall exclude*
17 *that article from the imposition of such a duty*
18 *if the Trade Representative determines following*
19 *a request from a United States entity or an asso-*
20 *ciation of those entities that—*

21 *(i) the article or a reasonable sub-*
22 *stitute is not commercially available to the*
23 *requester;*

24 *(ii) the imposition of the duty with re-*
25 *spect to the article would unreasonably in-*

1 crease consumer prices for day-to-day items
2 consumed by low- or middle-income families
3 in the United States;

4 (iii) the imposition of the duty would
5 have an unreasonable impact on manufac-
6 turing output of the United States;

7 (iv) the imposition of the duty would
8 have an unreasonable impact on the ability
9 of an entity to fulfill contracts or to build
10 critical infrastructure; or

11 (v) the failure to grant the exclusion is
12 likely to result in a particular entity or en-
13 tities having the ability to abuse a domi-
14 nant market position; and

15 (C) the Trade Representative may identify
16 other criteria relevant to determining whether
17 the article shall be excluded from the imposition
18 of such a duty.

19 (4) *TIMEFRAME OF EXCLUSION AND RENEWAL.*—

20 (A) *PERIOD OF EXCLUSION.*—An exclusion
21 of an article requested under paragraph (1) from
22 duties described in paragraph (2)—

23 (i) shall be for a period of 18 months;

24 and

25 (ii) shall be decided—

1 (I) not later than 90 days before
2 the duty is due to be paid; or

3 (II) if the Trade Representative
4 determines that the request presents ex-
5 ceptionally complex issues or requires
6 additional evidence, not later than 120
7 days before the duty is due to be paid.

8 (B) *RENEWAL*.—The Trade Representative
9 shall allow applications for renewal of an exclu-
10 sion under paragraph (1) to be submitted not
11 later than 90 days before the exclusion is set to
12 expire.

13 (C) *FAILURE TO ACT*.—If the Trade Rep-
14 resentative fails to decide an exclusion request
15 under subparagraph (A)(ii) during the appro-
16 priate period set forth under that subparagraph,
17 the exclusion request will be deemed to have been
18 granted until the date that is 30 days after the
19 Trade Representative publishes in the Federal
20 Register a decision not to grant the request.

21 (5) *WRITTEN REASONING*.—

22 (A) *IN GENERAL*.—If the Trade Representa-
23 tive denies a request for an exclusion under
24 paragraph (1), the Trade Representative shall

1 *provide to the requester of the exclusion a rea-*
2 *soned determination for denying the request.*

3 *(B) SUBSTANTIAL EVIDENCE.—A deter-*
4 *mination under subparagraph (A) shall be sup-*
5 *ported by substantial evidence from the adminis-*
6 *trative record.*

7 *(6) REVIEW.—*

8 *(A) IN GENERAL.—Not later than 180 days*
9 *after the date of the enactment of this Act, and*
10 *annually thereafter, the Comptroller General of*
11 *the United States shall conduct an audit of the*
12 *exclusion process established under paragraph*
13 *(1).*

14 *(B) ELEMENTS OF AUDIT.—Each audit re-*
15 *quired by subparagraph (A) shall—*

16 *(i) include a review of the process*
17 *for—*

18 *(I) receiving and reviewing exclu-*
19 *sion requests under paragraph (1);*

20 *(II) determining eligibility for an*
21 *exclusion;*

22 *(III) applying relevant criteria*
23 *for an exclusion; and*

24 *(IV) making determinations re-*
25 *garding whether to grant an exclusion;*

1 (ii) examine the information provided
2 to applicants prior to seeking an exclusion,
3 as well as throughout the exclusion applica-
4 tion process; and

5 (iii) analyze the timeliness of decisions,
6 the consistency of decisions, and the inter-
7 nal review process for making decisions
8 with respect to an exclusion.

9 (7) REGULATIONS.—

10 (A) IMPLEMENTATION OF PROCESS.—Not
11 later than 120 days after the date of the enact-
12 ment of this Act, The Trade Representative, in
13 consultation with such other Federal agencies as
14 the Trade Representative considers appropriate,
15 shall prescribe regulations regarding the criteria
16 that the Trade Representative will apply and the
17 evidence the Trade Representative will evaluate
18 in deciding whether any of the conditions in
19 paragraph (3) have been satisfied with respect to
20 an exclusion request under paragraph (1).

21 (B) SEVERE ECONOMIC HARM.—The Trade
22 Representative shall prescribe regulations regard-
23 ing the definition of severe economic harm under
24 paragraph (8), including by setting forth the evi-
25 dence necessary to establish that a business is

1 *unprofitable, that workers will be separated, and*
2 *other circumstances in which severe economic*
3 *harm may be demonstrated.*

4 (8) *DEFINITIONS.—In this subsection:*

5 (A) *SEVERE ECONOMIC HARM.—The term*
6 *“severe economic harm”, with respect to an ex-*
7 *clusion from duties requested by a United States*
8 *entity or an association of those entities, includes*
9 *circumstances under which failure to grant the*
10 *exclusion would—*

11 (i) *render the business of the entity or*
12 *entities unprofitable; or*

13 (ii) *result in a significant number or*
14 *proportion of the workers employed by the*
15 *entity or entities becoming totally separated*
16 *from employment.*

17 (B) *UNITED STATES ENTITY.—The term*
18 *“United States entity” means an entity orga-*
19 *nized under the laws of the United States or of*
20 *any jurisdiction within the United States, in-*
21 *cluding a foreign branch of such an entity.*

22 (c) *TREATMENT OF CERTAIN EXCLUSIONS RELATING*
23 *TO PEOPLE’S REPUBLIC OF CHINA.—*

1 (1) *REAUTHORIZATION OF EXCLUSIONS.*—All
2 covered duty exclusions shall be reinstated for en-
3 tries filed on or before December 31, 2022.

4 (2) *RETROACTIVE APPLICATION FOR CERTAIN*
5 *LIQUIDATIONS AND RELIQUIDATIONS.*—

6 (A) *IN GENERAL.*—Notwithstanding section
7 514 of the Tariff Act of 1930 (19 U.S.C. 1514)
8 or any other provision of law and subject to sub-
9 paragraph (B), any entry of a covered article on
10 which duties were paid under section 301(b) of
11 the Trade Act of 1974 (19 U.S.C. 2411(b)) and
12 to which a covered duty exclusion would have
13 applied if the entry were made on December 31,
14 2020, that was made—

15 (i) after December 31, 2020, and

16 (ii) before the date of the enactment of
17 this Act,

18 shall be liquidated or reliquidated as though such
19 entry occurred on such date of enactment.

20 (B) *REQUESTS.*—A liquidation or reliqui-
21 dation may be made under subparagraph (A)
22 with respect to an entry of an article only if a
23 request therefor is filed with U.S. Customs and
24 Border Protection not later than 180 days after
25 the date of the enactment of this Act that con-

1 *tains sufficient information to enable U.S. Customs and Border Protection—*

2
3 *(i) to identify and reconstruct the*
4 *entry, if necessary; and*

5 *(ii) to verify that the article is a covered*
6 *article.*

7 *(C) PAYMENT OF AMOUNTS OWED.—Any*
8 *amounts owed by the United States pursuant to*
9 *the liquidation or reliquidation of an entry of a*
10 *covered article under subparagraph (A) shall be*
11 *paid, without interest, not later than 90 days*
12 *after the date of the liquidation or reliquidation*
13 *(as the case may be).*

14 *(3) DEFINITIONS.—In this subsection:*

15 *(A) COVERED ARTICLE.—The term “covered*
16 *article” means an article that qualifies for a covered*
17 *duty exclusion from duties paid under section*
18 *301(b) of the Trade Act of 1974 (19 U.S.C.*
19 *2411(b)) that was not granted by the United*
20 *States Trade Representative within 180 days of*
21 *the date of liquidation of an entry containing*
22 *such an article.*

23 *(B) COVERED DUTY EXCLUSION.—The term*
24 *“covered duty exclusion” means a specific article*
25 *exclusion that was—*

1 (i) granted in the investigation initi-
2 ated under section 301 of the Trade Act of
3 1974 (19 U.S.C. 2411) on August 18, 2017,
4 and with respect to which notice was pub-
5 lished in the Federal Register on August 24,
6 2017 (82 Fed. Reg. 40213); and

7 (ii) published in the Federal Register.

8 (C) ENTRY.—The term “entry” includes a
9 withdrawal from warehouse for consumption.

10 **SEC. 73002. ENHANCED CONGRESSIONAL OVERSIGHT OF**
11 **THE UNITED STATES TRADE REPRESENTA-**
12 **TIVE AND THE DEPARTMENT OF COMMERCE.**

13 (a) UNITED STATES TRADE REPRESENTATIVE.—

14 (1) PEOPLE’S REPUBLIC OF CHINA.—The United
15 States Trade Representative shall submit to the ap-
16 propriate congressional committees—

17 (A) not later than September 1, 2021, and
18 every 180 days thereafter for the following 2
19 years, a confidential report describing—

20 (i) the implementation of the Economic
21 and Trade Agreement Between the Govern-
22 ment of the United States of America and
23 the Government of China, dated January
24 15, 2020, including an identification of

1 *those provisions in the agreement that have*
2 *yet to be implemented; and*

3 *(ii) progress toward addressing the*
4 *issues identified in the report prepared by*
5 *the Trade Representative dated March 22,*
6 *2018, and titled, “Findings of the Investiga-*
7 *tion into China’s Acts, Policies, and Prac-*
8 *tices Related to Technology Transfer, Intel-*
9 *lectual Property, and Innovation under*
10 *Section 301 of the Trade Act of 1974”;* and

11 *(B) the text of any initial proposal for an*
12 *executive agreement or memorandum of under-*
13 *standing with the People’s Republic of China in-*
14 *tended to resolve an investigation with respect to*
15 *duties under section 301 of the Trade Act of*
16 *1974 (19 U.S.C. 2411) not later than 3 business*
17 *days before submitting the proposal to any offi-*
18 *cial of the People’s Republic of China.*

19 (2) *TRADE ENFORCEMENT TRUST FUND.—Sec-*
20 *tion 611(e) of the Trade Facilitation and Trade En-*
21 *forcement Act of 2015 (19 U.S.C. 4405(e)) is amend-*
22 *ed—*

23 *(A) in the subsection heading, by striking*
24 *“REPORT” and inserting “REPORTS”;*

1 (B) by striking “Not later than” and insert-
2 ing “(1) *REPORT AFTER ENTRY INTO FORCE.—*
3 *Not later than*”; and

4 (C) by adding at the end the following:

5 “(2) *REPORT ON USE OF FUNDS.—Not later than*
6 *July 1 of each year, the Trade Representative shall*
7 *submit to Congress a report that identifies the use of*
8 *any funds from the Trust Fund during the one-year*
9 *period preceding the date of the report, including an*
10 *identification of the specific enforcement matter for*
11 *which the funds were used.”.*

12 (b) *DEPARTMENT OF COMMERCE.—*

13 (1) *ANTIDUMPING OR COUNTERVAILING DU-*
14 *TIES.—*

15 (A) *IN GENERAL.—Not later than July 1 of*
16 *each year, the Secretary of Commerce shall sub-*
17 *mit to the appropriate congressional committees*
18 *a report that identifies any antidumping or*
19 *countervailing duty determination under title*
20 *VII of the Tariff Act of 1930 (19 U.S. C. 1671*
21 *et seq.) that in the year preceding the report was*
22 *subject to a remand pursuant to an order from*
23 *the United States Court of International Trade*
24 *or a Chapter 10 Panel under the USMCA or that*
25 *was found to be inconsistent with the obligations*

1 *of the United States with the World Trade Orga-*
2 *nization.*

3 *(B) ELEMENTS.—With respect to each de-*
4 *termination under subparagraph (A), the Sec-*
5 *retary of Commerce shall indicate—*

6 *(i) the specific statutory requirement*
7 *that the Court of International Trade or the*
8 *Chapter 10 Panel found that the Secretary*
9 *failed to observe or the specific provision of*
10 *the WTO Agreement that a dispute settle-*
11 *ment panel or Appellate Body found to have*
12 *been breached by the determination; and*

13 *(ii) whether or when the Secretary in-*
14 *tends to comply with the order or obliga-*
15 *tions described in subparagraph (A), as the*
16 *case may be.*

17 *(2) NATIONAL SECURITY TARIFFS.—The Sec-*
18 *retary of Commerce shall include in each report sub-*
19 *mitted under paragraph (1), if applicable, informa-*
20 *tion regarding the operation of the process for exclu-*
21 *sion from tariffs under section 232 of the Trade Ex-*
22 *pansion Act of 1962 (19 U.S.C. 1862) during the year*
23 *covered by the report, including—*

1 (A) *the approximate number of hours and*
2 *employees of the Department of Commerce (full-*
3 *time equivalent) working on that process;*

4 (B) *the number of requests for exclusion*
5 *that have been pending for more than 120 days;*
6 *and*

7 (C) *a list of all exclusions that have been*
8 *decided, including by identifying whether the*
9 *specific request for an exclusion was granted or*
10 *not, and the time it took to decide the request.*

11 (3) *NOTICE OF SUSPENSION OF ANTIDUMPING*
12 *DUTY INVESTIGATION.—Section 734(b) of the Tariff*
13 *Act of 1930 (19 U.S.C. 1673c(b)) is amended—*

14 (A) *by redesignating paragraphs (1) and*
15 *(2) as subparagraphs (A) and (B) and moving*
16 *those two subparagraphs, as so redesignated, two*
17 *ems to the right;*

18 (B) *by striking “The administering author-*
19 *ity” and inserting “(1) IN GENERAL.—The ad-*
20 *ministering authority”; and*

21 (C) *by adding at the end the following:*

22 “(2) *NOTIFICATION TO CONGRESS.—The admin-*
23 *istering authority shall submit to Congress the text of*
24 *any proposal to suspend an investigation under para-*

1 *graph (1) not later than 3 business days before sub-*
2 *mitting the proposal to an interested party.”.*

3 *(c) DEFINITIONS.—In this section:*

4 *(1) APPELLATE BODY; DISPUTE SETTLEMENT*
5 *PANEL.—the terms “Appellate Body” and “dispute*
6 *settlement panel” have the meanings given those*
7 *terms in section 121 of the Uruguay Round Agree-*
8 *ments Act (19 U.S.C. 3531).*

9 *(2) USMCA.—The term “USMCA” means the*
10 *Agreement between the United States of America, the*
11 *United Mexican States, and Canada, which is—*

12 *(A) attached as an Annex to the Protocol*
13 *Replacing the North American Free Trade Agree-*
14 *ment with the Agreement between the United*
15 *States of America, the United Mexican States,*
16 *and Canada, done at Buenos Aires on November*
17 *30, 2018, as amended by the Protocol of Amend-*
18 *ment to the Agreement Between the United*
19 *States of America, the United Mexican States,*
20 *and Canada, done at Mexico City on December*
21 *10, 2019; and*

22 *(B) approved by Congress under section*
23 *101(a)(1) of the United States–Mexico–Canada*
24 *Agreement Implementation Act (19 U.S.C.*
25 *4511(a)).*

1 (3) *WTO AGREEMENT.*—*The term “WTO Agree-*
2 *ment” has the meaning given that term in section 2*
3 *of the Uruguay Round Agreements Act (19 U.S.C.*
4 *3501(9)).*

5 **SEC. 73003. ESTABLISHMENT OF INSPECTOR GENERAL OF**
6 **THE OFFICE OF THE UNITED STATES TRADE**
7 **REPRESENTATIVE.**

8 (a) *DEFINITIONS.*—*Section 12 of the Inspector General*
9 *Act of 1978 (5 U.S.C. App.) is amended—*

10 (1) *in paragraph (1), by striking “or the Direc-*
11 *tor of the National Reconnaissance Office;” and in-*
12 *serting “the Director of the National Reconnaissance*
13 *Office; or the United States Trade Representative;”*
14 *and*

15 (2) *in paragraph (2), by striking “or the Na-*
16 *tional Reconnaissance Office,” and inserting “the Na-*
17 *tional Reconnaissance Office, or the Office of the*
18 *United States Trade Representative,”.*

19 (b) *APPOINTMENT OF INSPECTOR GENERAL.*—*Not*
20 *later than 120 days after the date of the enactment of this*
21 *Act, the President shall appoint an individual to serve as*
22 *the Inspector General of the Office for the United States*
23 *Trade Representative in accordance with section 3(a) of the*
24 *Inspector General Act of 1978 (5 U.S.C. App.).*

1 **SEC. 73004. AUTHORITY OF U.S. CUSTOMS AND BORDER**
 2 **PROTECTION TO CONSOLIDATE, MODIFY, OR**
 3 **REORGANIZE CUSTOMS REVENUE FUNC-**
 4 **TIONS.**

5 (a) *IN GENERAL.*—Section 412 of the Homeland Secu-
 6 rity Act of 2002 (6 U.S.C. 212(b)) is amended—

7 (1) in subsection (b)—

8 (A) in paragraph (1)—

9 (i) by striking “consolidate, dis-
 10 continue,” and inserting “discontinue”; and

11 (ii) by inserting after “reduce the staff-
 12 ing level” the following: “below the optimal
 13 staffing level determined in the most recent
 14 Resource Allocation Model required by sec-
 15 tion 301(h) of the Customs Procedural Re-
 16 form and Simplification Act of 1978 (19
 17 U.S.C. 2075(h))”; and

18 (B) in paragraph (2), by inserting “, Na-
 19 tional Account Managers” after “Financial Sys-
 20 tems Specialists”; and

21 (2) by adding at the end the following:

22 “(d) *AUTHORITY TO CONSOLIDATE, MODIFY, OR RE-*
 23 *ORGANIZE CUSTOMS REVENUE FUNCTIONS.*—

24 “(1) *IN GENERAL.*—The Commissioner of U.S.
 25 Customs and Border Protection may, subject to sub-
 26 section (b), consolidate, modify, or reorganize customs

1 *revenue functions delegated to the Commissioner*
 2 *under subsection (a), including by adding such func-*
 3 *tions to existing positions or establishing new or*
 4 *modifying existing job series, grades, titles, or classi-*
 5 *fications for personnel, and associated support staff,*
 6 *performing such functions.*

7 “(2) *POSITION CLASSIFICATION STANDARDS.—At*
 8 *the request of the Commissioner, the Director of the*
 9 *Office of Personnel Management shall establish new*
 10 *position classification standards for any new posi-*
 11 *tions established by the Commissioner under para-*
 12 *graph (1).”.*

13 “(b) *TECHNICAL CORRECTION.—Section 412(a)(1) of*
 14 *the Homeland Security Act of 2002 (6 U.S.C. 212(a)(1))*
 15 *is amended by striking “403(a)(1)” and inserting “403(1)”.*

16 **SEC. 73005. PROTECTION FROM PUBLIC DISCLOSURE OF**
 17 **PERSONALLY IDENTIFIABLE INFORMATION**
 18 **CONTAINED IN MANIFESTS.**

19 “(a) *IN GENERAL.—Paragraph (2) of section 431(c) of*
 20 *the Tariff Act of 1930 (19 U.S.C. 1431(c)) is amended to*
 21 *read as follows:*

22 “(2)(A) *The information listed in paragraph (1) shall*
 23 *not be available for public disclosure if—*

24 “(i) *the Secretary of the Treasury makes an af-*
 25 *firmative finding on a shipment-by-shipment basis*

1 that disclosure is likely to pose a threat of personal
2 injury or property damage; or

3 “(i) the information is exempt under the provi-
4 sions of section 552(b)(1) of title 5, United States
5 Code.

6 “(B) The Secretary shall ensure that any personally
7 identifiable information, including Social Security account
8 numbers and passport numbers, is removed from any mani-
9 fest signed, produced, delivered, or electronically trans-
10 mitted under this section before access to the manifest is
11 provided to the public.”.

12 (b) *EFFECTIVE DATE.*—The amendment made by sub-
13 section (a) shall take effect on the date that is 30 days after
14 the date of the enactment of this Act.

15 **SEC. 73006. SENSE OF CONGRESS ON LEADERSHIP AT**
16 **WORLD TRADE ORGANIZATION.**

17 (a) *FINDINGS.*—Congress makes the following findings:

18 (1) The United States had led the formation, as
19 well as reform, of rules governing the multilateral
20 trading system since World War II.

21 (2) The United States is a founding member of
22 the World Trade Organization (in this section re-
23 ferred to as the “WTO”) and a key architect of the
24 organization.

1 (3) *The United States secured important com-*
2 *mitments in the WTO to facilitate trade in goods and*
3 *services, to prevent the application of non-scientific*
4 *restrictions on United States agriculture, and to pro-*
5 *tect United States intellectual property.*

6 (4) *The United States uses the rules of the WTO*
7 *to benefit workers, farmers, fishers, and businesses in*
8 *the United States by facilitating access to the 90 per-*
9 *cent of the world's consumers who live outside the bor-*
10 *ders of the United States.*

11 (5) *The fundamental purpose of the WTO is to*
12 *create space for members to negotiate with each other,*
13 *and the WTO reserves to those members exclusively*
14 *the right to negotiate and adopt rules that reduce and*
15 *eliminate trade barriers and discriminatory treat-*
16 *ment.*

17 (6) *The prompt settlement of disputes in which*
18 *a member of the WTO considers that its rights are*
19 *being impaired by the actions of another member is*
20 *essential to the functioning of the WTO and the main-*
21 *tenance of a proper balance between the rights and*
22 *obligations of members.*

23 (7) *The WTO's dispute settlement function, in-*
24 *cluding in particular the Appellate Body, has in-*
25 *creasingly failed to enforce the rules of the WTO in*

1 *a timely manner, and has usurped the negotiating*
2 *prerogative of members by creating new obligations*
3 *and rights that are inconsistent with or not included*
4 *in the rules negotiated by members.*

5 *(8) The creation of those obligations and rights*
6 *undermines—*

7 *(A) the WTO's negotiating function by dis-*
8 *couraging members from making concessions;*
9 *and*

10 *(B) the WTO's dispute settlement function*
11 *by encouraging overuse of the process and under-*
12 *mining its legitimacy, including by preventing*
13 *free market economies from responding to glob-*
14 *ally trade distortive practices by nonmarket*
15 *economies.*

16 *(9) The WTO does not have sufficient rules to*
17 *discipline the distortive economic policies of non-*
18 *market economies, such as policies relating to excess*
19 *capacity and forced technology transfer, the special*
20 *treatment those economies afford to state-owned enter-*
21 *prises, and their massive and opaque industrial sub-*
22 *sidies.*

23 *(10) There is long-standing bipartisan support*
24 *in Congress to reform the WTO to address those*
25 *failings.*

1 (11) *The current presidential administration, as*
2 *well as prior administrations, raised concerns about*
3 *the failings described in this subsection and have*
4 *made reform of the WTO a top priority of United*
5 *States trade policy.*

6 (12) *The United States urges WTO members to*
7 *work constructively with the United States to assess*
8 *the reasons why the existing WTO rules have proven*
9 *inadequate in order to create an atmosphere within*
10 *the WTO that is conducive to the development of new*
11 *rules less subject to jurisprudential drift.*

12 (13) *The guiding principle for reform of the*
13 *WTO, and the lens through which WTO members*
14 *should consider specific reform proposals, is the res-*
15 *toration of the WTO's capability and capacity for ne-*
16 *gotiation among members.*

17 (14) *The United States has achieved its trade*
18 *policy objectives through active leadership at the*
19 *WTO, and an absence of that leadership would be*
20 *filled by nonmarket economies that are hostile to a*
21 *host of United States interests.*

22 (b) *SENSE OF CONGRESS.—It is the sense of Congress*
23 *that—*

24 (1) *while the United States finds value and use-*
25 *fulness in the WTO, in order to fulfill the needs of the*

1 *United States and other free and open economies in*
2 *the 21st century, significant reforms are needed;*

3 *(2) the United States must therefore continue to*
4 *demonstrate leadership to achieve reforms that restore*
5 *the effectiveness of the WTO's—*

6 *(A) negotiating function;*

7 *(B) dispute settlement function so that it*
8 *transparently, efficiently, and fully enforces out-*
9 *comes negotiated by members rather than usurp-*
10 *ing their primacy by creating new rights or obli-*
11 *gations; and*

12 *(C) rules for special and differential treat-*
13 *ment to ensure those rules promote advancement*
14 *for truly developing countries, rather than be-*
15 *coming tools for globally competitive countries,*
16 *like the People's Republic of China, to engage in*
17 *protectionism and market distortions;*

18 *(3) the efforts to reform the negotiating function*
19 *of the WTO should revitalize the negotiating function*
20 *by providing confidence to members that the WTO op-*
21 *erates according to the rules as negotiated and adopt-*
22 *ed by members;*

23 *(4) a revitalized negotiating function must in-*
24 *clude new rules that reflect the 21st century economy,*

1 *further combat anticompetitive and protectionist bar-*
2 *riers, and ensure disputes are efficiently resolved;*

3 *(5) the United States Trade Representative*
4 *should continue to lead efforts to work with WTO*
5 *members to pursue reforms at the WTO that—*

6 *(A) ensure the dispute settlement mecha-*
7 *nism faithfully applies the rules adopted by*
8 *members, including by undertaking measures to*
9 *ensure the WTO's Appellate Body does not create*
10 *new rights and obligations;*

11 *(B) improve public confidence in dispute*
12 *settlement by promoting greater transparency*
13 *and efficiency in the conduct of proceedings;*

14 *(C) redress the consistent failure by certain*
15 *members to satisfy their notification obligations*
16 *under various WTO agreements, including*
17 *through measures that strengthen accountability;*

18 *(D) ensure rules for special and differential*
19 *treatment are appropriately reserved for coun-*
20 *tries whose state of development and global com-*
21 *petitiveness actually warrants such flexibility;*

22 *(E) create new rules and structures that can*
23 *serve the interests of the United States while pro-*
24 *moting peace, prosperity, good governance,*

1 *transparency, effective operation of legal regimes,*
2 *the rule of law, and free enterprise; and*

3 *(F) expand upon the trilateral negotiations*
4 *currently underway with Japan and the Euro-*
5 *pean Union; and*

6 *(6) the United States Trade Representative*
7 *should explore and assess specific reform proposals,*
8 *including—*

9 *(A) pursuing plurilateral agreements that*
10 *further the interests of the United States while*
11 *limiting the benefits accruing to countries that*
12 *are not parties to those agreements;*

13 *(B) efforts to ensure that incorrect interpre-*
14 *tations by the Appellate Body, including with re-*
15 *spect to the Agreement on Safeguards, the Agree-*
16 *ment on Implementation of Article VI of the*
17 *General Agreement on Tariffs and Trade 1994,*
18 *and the Agreement on Subsidies and Counter-*
19 *vailing Measures, are corrected, and not to be*
20 *deemed precedential;*

21 *(C) new rules and norms to address prac-*
22 *tices of nonmarket economies, such as practices*
23 *relating to state-owned enterprises, which certain*
24 *countries often utilize for objectives that cause se-*
25 *vere trade distortions; and*

1 (D) better implementation of existing rules,
2 such as the prohibition in paragraph 4 of Article
3 XIV of the General Agreement on Tariffs and
4 Trade on currency manipulation, to ensure that
5 those rules are effective to preserve the rights of
6 free market economies.

7 **TITLE IV—PROMOTING**
8 **AMERICAN COMPETITIVENESS**
9 **Subtitle A—Reauthorization and**
10 **Reform of Generalized System of**
11 **Preferences**

12 **SEC. 74001. MODIFICATION OF ELIGIBILITY CRITERIA FOR**
13 **BENEFICIARY DEVELOPING COUNTRIES.**

14 (a) *IN GENERAL.*—Section 502 of the Trade Act of
15 1974 (19 U.S.C. 2462) is amended—

16 (1) in subsection (b)(2)—

17 (A) by inserting after subparagraph (H) the
18 following:

19 “(I) Such country has failed, in a manner
20 affecting trade or investment—

21 “(i) to effectively enforce its environ-
22 mental laws or regulations through a sus-
23 tained or recurring course of action or inac-
24 tion; or

1 “(i) to adopt and maintain measures
2 implementing its obligations under common
3 multilateral environmental agreements.

4 “(J) Such country engages in gross viola-
5 tions of internationally recognized human rights
6 in that country (including any designated zone
7 in that country).”; and

8 (B) in the text following subparagraph (J)
9 (as inserted by subparagraph (A)), by striking
10 “and (H) (to the extent described in section
11 507(6)(D))” and inserting “(H) (to the extent
12 described in section 507(6)(D)), (I), and (J)”;
13 and

14 (2) in subsection (c)—

15 (A) in paragraph (6)(B), by striking “;
16 and” and inserting a semicolon;

17 (B) in paragraph (7)—

18 (i) by striking “whether” and all that
19 follows through “afford” and inserting “the
20 extent to which such country is affording”;
21 and

22 (ii) by striking the period at the end
23 and inserting a semicolon; and

24 (C) by adding at the end the following:

1 “(8) *the extent to which such country is effec-*
2 *tively enforcing its environmental laws and regula-*
3 *tions and adopting and maintaining measures imple-*
4 *menting its obligations under common multilateral*
5 *environmental agreements;*

6 “(9) *the extent to which such country is achiev-*
7 *ing the goals described in section 3(b) of the Women’s*
8 *Entrepreneurship and Economic Empowerment Act*
9 *of 2018 (22 U.S.C. 2151–2(b));*

10 “(10) *the extent to which such country has estab-*
11 *lished, or is making continual progress toward estab-*
12 *lishing—*

13 “(A) *the rule of law, political pluralism,*
14 *and the right to due process, a fair trial, and*
15 *equal protection under the law;*

16 “(B) *economic policies to reduce poverty,*
17 *increase the availability of health care and edu-*
18 *cational opportunities, expand physical infra-*
19 *structure, promote the development of private en-*
20 *terprise, and encourage the formation of capital*
21 *markets through micro-credit or other programs;*
22 *and*

23 “(C) *a system to combat corruption and*
24 *bribery, such as signing and implementing the*
25 *Convention on Combating Bribery of Foreign*

1 *Public Officials in International Business*
2 *Transactions, done at Paris December 17, 1997,*
3 *and entered into force February 15, 1999 (TIAS*
4 *99–215); and*

5 “(11) *the extent to which such country—*

6 “(A) *has refrained from imposing, or has*
7 *eliminated, digital trade barriers, including un-*
8 *necessary or discriminatory data localization or*
9 *data transfer restrictions; and*

10 “(B) *has taken steps in the digital environ-*
11 *ment to support consumer protections, the pri-*
12 *vacancy of personal information, and open digital*
13 *ecosystems.”.*

14 (b) *MODIFICATION OF WITHDRAWAL, SUSPENSION, OR*
15 *LIMITATION REQUIREMENTS.—Section 502 of the Trade*
16 *Act of 1974 (19 U.S.C. 2462) is amended—*

17 (1) *in subsection (d)(1), in the second sentence—*

18 (A) *by striking “shall consider” and insert-*
19 *ing the following: “shall—*

20 “(A) *consider”;*

21 (B) *by striking the period at the end and*
22 *inserting “; and”;* and

23 (C) *by adding at the end the following:*

1 “(B) hold a public hearing or provide for a
2 period of not less than 30 days for submission of
3 comments by the public.”; and

4 (2) in subsection (f)(2)—

5 (A) in the paragraph heading, by inserting
6 “OR SUSPENSION” after “TERMINATION”;

7 (B) by inserting “or suspend” after “termi-
8 nate” each place it appears; and

9 (C) by inserting “or suspension” after “ter-
10 mination”.

11 (c) *PUBLICATION OF DETERMINATIONS RELATING TO*
12 *PETITIONS FOR REVIEW.*—Section 502 of the Trade Act of
13 1974 (19 U.S.C. 2462) is amended by adding at the end
14 the following:

15 “(g) *PUBLICATION OF DETERMINATIONS RELATING TO*
16 *PETITIONS FOR REVIEW.*—The United States Trade Rep-
17 resentative shall publish in the Federal Register a notice
18 of, and the rationale for, any determination of the Trade
19 Representative with respect to a petition for review of the
20 eligibility of a country for designation as a beneficiary de-
21 veloping country, including a determination—

22 “(1) to accept or deny such a petition;

23 “(2) to continue to review the eligibility of the
24 country; or

1 “(3) to withdraw, suspend, or limit the applica-
2 tion of duty-free treatment under this title with re-
3 spect to the country.”.

4 (d) *DEFINITIONS.*—Section 507 of the Trade Act of
5 1974 (19 U.S.C. 2467) is amended—

6 (1) in paragraph (4)—

7 (A) in subparagraph (D), by striking “;
8 and” and inserting a semicolon;

9 (B) in subparagraph (E), by striking the
10 period at the end and inserting “; and”; and

11 (C) by adding at the end the following:

12 “(F) the elimination of all forms of dis-
13 crimination with respect to occupation and em-
14 ployment.”; and

15 (2) by adding at the end the following:

16 “(7) *COMMON MULTILATERAL ENVIRONMENTAL*
17 *AGREEMENT.*—

18 “(A) *IN GENERAL.*—The term ‘common
19 multilateral environmental agreement’, for pur-
20 poses of determining the eligibility of a country
21 for designation as a beneficiary developing coun-
22 try under this title, means any agreement speci-
23 fied in subparagraph (B) to which both the
24 United States and that country are full parties,
25 including any current or future mutually agreed

1 upon protocols, amendments, annexes, or adjust-
2 ments to such an agreement.

3 “(B) *AGREEMENTS SPECIFIED.*—*The agree-*
4 *ments specified in this subparagraph are the fol-*
5 *lowing:*

6 “(i) *The Convention on International*
7 *Trade in Endangered Species of Wild*
8 *Fauna and Flora, done at Washington*
9 *March 3, 1973 (27 UST 1087; TIAS 8249).*

10 “(ii) *The Montreal Protocol on Sub-*
11 *stances that Deplete the Ozone Layer, done*
12 *at Montreal September 16, 1987.*

13 “(iii) *The Protocol of 1978 Relating to*
14 *the International Convention for the Pre-*
15 *vention of Pollution from Ships, 1973, done*
16 *at London February 17, 1978.*

17 “(iv) *The Convention on Wetlands of*
18 *International Importance, Especially as*
19 *Waterfowl Habitat, done at Ramsar Feb-*
20 *ruary 2, 1971 (TIAS 11084).*

21 “(v) *The Convention on the Conserva-*
22 *tion of Antarctic Marine Living Resources,*
23 *done at Canberra May 20, 1980 (33 UST*
24 *3476).*

1 “(vi) *The International Convention for*
2 *the Regulation of Whaling, done at Wash-*
3 *ington December 2, 1946 (62 Stat. 1716).*

4 “(vii) *The Convention for the Estab-*
5 *lishment of an Inter-American Tropical*
6 *Tuna Commission, done at Washington*
7 *May 31, 1949 (1 UST 230).”.*

8 **SEC. 74002. SUPPLEMENTAL REVIEWS AND REPORTING.**

9 (a) *ASSESSMENT AND REPORT ON COMPLIANCE WITH*
10 *ELIGIBILITY REQUIREMENTS.*—*Section 502 of the Trade*
11 *Act of 1974, as amended by section 74001, is further*
12 *amended by adding at the end the following:*

13 “(h) *ASSESSMENT AND REPORT ON COMPLIANCE WITH*
14 *ELIGIBILITY REQUIREMENTS.*—

15 “(1) *IN GENERAL.*—*The President shall—*

16 “(A) *on an annual basis—*

17 “(i) *conduct assessments of the compli-*
18 *ance of an appropriate number of countries*
19 *designated as beneficiary developing coun-*
20 *tries for purposes of this title in meeting or*
21 *continuing to meet the eligibility require-*
22 *ments under this title; and*

23 “(ii) *make determinations with respect*
24 *to whether to initiate full reviews of the*
25 *practices of those countries to assess the con-*

1 *tinued eligibility of those countries for des-*
2 *ignation as beneficiary developing countries*
3 *under this title; and*

4 *“(B) submit to Congress a report consisting*
5 *of the results of such assessments and determina-*
6 *tions.*

7 *“(2) FREQUENCY.—The President shall conduct*
8 *an assessment described in clause (i) of paragraph*
9 *(1)(A) and make a determination described in clause*
10 *(ii) of that paragraph with respect to each country*
11 *designated as a beneficiary developing country for*
12 *purposes of this title not less frequently than once*
13 *every 3 years.”.*

14 *(b) ASSESSMENT OF EFFECTIVENESS OF GENERAL-*
15 *IZED SYSTEM OF PREFERENCES IN STRENGTHENING AND*
16 *MAINTAINING INTERNATIONALLY RECOGNIZED WORKER*
17 *RIGHTS AND WOMEN’S ENTREPRENEURSHIP AND ECO-*
18 *NOMIC EMPOWERMENT.—*

19 *(1) POLICY OF THE UNITED STATES.—It is the*
20 *policy of the United States to support gender equality*
21 *and worker rights by promoting legal reforms that*
22 *address legal, structural, and social barriers that con-*
23 *strain the full and free economic participation of all*
24 *workers in the global economy.*

25 *(2) AMENDMENT TO TRADE ACT OF 1974.—*

1 (A) *IN GENERAL.*—*Title V of the Trade Act*
2 *of 1974 (19 U.S.C. 2461 et seq.) is amended by*
3 *inserting after section 504 the following:*

4 **“SEC. 504A. ASSESSMENT OF EFFECTIVENESS IN**
5 **STRENGTHENING AND MAINTAINING INTER-**
6 **NATIONALLY RECOGNIZED WORKER RIGHTS**
7 **AND WOMEN’S ENTREPRENEURSHIP AND**
8 **ECONOMIC EMPOWERMENT.**

9 “(a) *IN GENERAL.*—*Not later than 15 months after the*
10 *date of the enactment of this section, and every 2 years*
11 *thereafter, the United States Trade Representative and the*
12 *Deputy Undersecretary of Labor for International Affairs,*
13 *in consultation with the policy advisory committee on labor*
14 *established under section 135(c)(1), shall jointly submit to*
15 *Congress an assessment of the effectiveness of the adminis-*
16 *tration of this title in maintaining or strengthening the ef-*
17 *forts of beneficiary developing countries relating to the fac-*
18 *tors described in paragraphs (7) and (9) of section 502(c).*

19 “(b) *METHODOLOGY AND SOURCES.*—*The assessment*
20 *required by subsection (a) shall include—*

21 “(1) *an explanation of the methodology and*
22 *sources used to prepare the assessment; and*

23 “(2) *where relevant, citations to data, informa-*
24 *tion, studies, and assessments that were used to pre-*
25 *pare the assessment and were gathered, compiled, or*

1 *developed by the United States Government, foreign*
 2 *governments, multilateral institutions, nongovern-*
 3 *mental organizations, or educational institutions.*

4 “(c) *MEASUREMENT OF WOMEN’S ECONOMIC EM-*
 5 *POWERMENT.—To support the measurement of women’s eco-*
 6 *nomie empowerment, the Trade Representative shall en-*
 7 *courage and support the reporting by beneficiary developing*
 8 *countries of sex-disaggregated economic and business data,*
 9 *including the gathering of information consistent with the*
 10 *United Nations Sustainable Development Goals, particu-*
 11 *larly the goals relating to gender equality and decent*
 12 *work.”.*

13 *(B) CLERICAL AMENDMENT.—The table of*
 14 *contents for the Trade Act of 1974 is amended by*
 15 *inserting after the item relating to section 504*
 16 *the following:*

“Sec. 504A. Assessment of effectiveness in strengthening and maintaining inter-
nationally recognized worker rights and women’s entrepreneurship and economic empowerment.”.

17 *(c) UNITED STATES INTERNATIONAL TRADE COMMIS-*
 18 *SION STUDY.—Not later than July 1, 2023, the United*
 19 *States International Trade Commission shall submit to*
 20 *Congress a report that contains a study on rules of origin,*
 21 *utilization rates, and eligibility requirements for articles*
 22 *under the Generalized System of Preferences program under*
 23 *title V of the Trade Act of 1974 (19 U.S.C. 2461 et seq.),*
 24 *including an assessment of—*

1 (1) *the rate of utilization of the program by*
2 *countries designated as least-developed beneficiary de-*
3 *veloping countries under section 502(a)(2) of that Act*
4 *(19 U.S.C. 2462(a)(2));*

5 (2) *the effectiveness of the rules of origin of the*
6 *program in—*

7 (A) *promoting trade benefits to least-devel-*
8 *oped beneficiary developing countries under the*
9 *program; and*

10 (B) *preventing the transshipment of articles*
11 *from countries that are not designated as bene-*
12 *ficiary developing countries under section*
13 *502(a)(1) of that Act (19 U.S.C. 2462(a)(1));*
14 *and*

15 (3) *the requirements and procedures for desig-*
16 *nating articles as eligible articles under section 503*
17 *of that Act (19 U.S.C. 2463), including—*

18 (A) *the competitive need limitation under*
19 *subsection (c)(2) of that section; and*

20 (B) *the process for waiving that limitation*
21 *under subsection (d) of that section.*

1 **SEC. 74003. EXTENSION OF GENERALIZED SYSTEM OF PREF-**
2 **ERENCES.**

3 (a) *IN GENERAL.*—Section 505 of the Trade Act of
4 1974 (19 U.S.C. 2465) is amended by striking “December
5 31, 2020” and inserting “January 1, 2027”.

6 (b) *EFFECTIVE DATE.*—

7 (1) *IN GENERAL.*—The amendment made by sub-
8 section (a) shall apply to articles entered on or after
9 the 30th day after the date of the enactment of this
10 Act.

11 (2) *RETROACTIVE APPLICATION FOR CERTAIN*
12 *LIQUIDATIONS AND RELIQUIDATIONS.*—

13 (A) *IN GENERAL.*—Notwithstanding section
14 514 of the Tariff Act of 1930 (19 U.S.C. 1514)
15 or any other provision of law and subject to sub-
16 paragraph (B), any entry of a covered article to
17 which duty-free treatment or other preferential
18 treatment under title V of the Trade Act of 1974
19 (19 U.S.C. 2461 et seq.) would have applied if
20 the entry had been made on December 31, 2020,
21 that was made—

22 (i) after December 31, 2020, and

23 (ii) before the effective date specified in
24 paragraph (1),

1 shall be liquidated or reliquidated as though such
2 entry occurred on the effective date specified in
3 paragraph (1).

4 (B) *REQUESTS.*—A liquidation or reliqui-
5 dation may be made under subparagraph (A)
6 with respect to an entry only if a request therefor
7 is filed with U.S. Customs and Border Protec-
8 tion not later than 180 days after the date of the
9 enactment of this Act that contains sufficient in-
10 formation to enable U.S. Customs and Border
11 Protection—

12 (i) to locate the entry; or

13 (ii) to reconstruct the entry if it can-
14 not be located.

15 (C) *PAYMENT OF AMOUNTS OWED.*—Any
16 amounts owed by the United States pursuant to
17 the liquidation or reliquidation of an entry of a
18 covered article under subparagraph (A) shall be
19 paid, without interest, not later than 90 days
20 after the date of the liquidation or reliquidation
21 (as the case may be).

22 (3) *DEFINITIONS.*—In this subsection:

23 (A) *COVERED ARTICLE.*—The term “covered
24 article” means an article from a country that is
25 a beneficiary developing country under title V of

1 *the Trade Act of 1974 (19 U.S.C. 2461 et seq.)*
 2 *as of the effective date specified in paragraph*
 3 *(1).*

4 (B) *ENTER; ENTRY.—The terms “enter”*
 5 *and “entry” include a withdrawal from ware-*
 6 *house for consumption.*

7 ***Subtitle B—Temporary Duty***
 8 ***Suspensions and Reductions***

9 ***SEC. 74011. REFERENCE.***

10 *Except as otherwise expressly provided, whenever in*
 11 *this subtitle an amendment or repeal is expressed in terms*
 12 *of an amendment to, or repeal of, a chapter, subchapter,*
 13 *note, additional U.S. note, heading, subheading, or other*
 14 *provision, the reference shall be considered to be made to*
 15 *a chapter, subchapter, note, additional U.S. note, heading,*
 16 *subheading, or other provision of the Harmonized Tariff*
 17 *Schedule of the United States.*

18 ***PART I—NEW DUTY SUSPENSIONS AND***
 19 ***REDUCTIONS***

20 ***SEC. 74021. SHELLED PINE NUTS.***

21 *Subchapter II of chapter 99 is amended by inserting*
 22 *in numerical sequence the following new heading:*

“ | 9902.19.01 | *Pine nuts, shelled (provided*
 | | *for in subheading 0802.90.98)* | *Free* | | *No change* | *No change* | *On or before*
 | | | | | | *12/31/2023 ...* | ”.

1 **SEC. 74022. LICORICE EXTRACT.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.19.02	Vegetable saps and extracts of licorice (provided for in subheading 1302.12.00)	0.7%	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74023. REFINED CARRAGEENAN.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.19.03	N-{{2-({4-{{3-Methylbutanoyl}}amino}}phenyl}}carbonyl}}hydrazino}}carbonothioyl}}-3-nitrobenzamide (Carrageenan) (CAS No. 9000-07-1) (provided for in subheading 1302.39.00)	2.4%	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74024. IRISH DAIRY CHOCOLATE CRUMB.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.19.04	Chocolate crumb manufactured with fluid milk from Irish cows (provided for in subheading 1806.20.24)	2.9%	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74025. PEPPERONCINI, PRESERVED IN VINEGAR.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.19.05	Pepperoncini, prepared or preserved by vinegar or acetic acid (provided for in subheading 2001.90.38)	5.2%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74026. COCONUT WATER IN PET BOTTLES.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.19.06	<i>Coconut water, not from concentrate, not containing added sugar or other sweetening matter, packaged for retail sale in polyethylene terephthalate bottles (provided for in subheading 2009.89.70)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74027. 9,11-OCTADECADIENOIC ACID.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.19.07	<i>Conjugated linoleic acids (9Z,11E)-octadeca-9,11-dienoic acid (CAS No.2540-56-9), and (10E,12Z)-octadeca-10,12-dienoic acid (CAS No. 2420-56-6) (provided for in subheading 2106.90.98)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 74028. LIQUID GALACTO-OLIGOSACCHARIDES.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.19.08	<i>Liquid galacto-oligosaccharides (provided for in subheading 2106.90.98)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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10 **SEC. 74029. BEVERAGE CONTAINING COCONUT WATER.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.19.09	<i>Non-alcoholic beverage containing 10 percent or more of not-from-concentrate coconut water, with added flavors and stevia, packaged for retail sale (provided for in subheading 2202.10.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74030. ANIMAL FEED ADDITIVE CONTAINING**
 2 **GUANIDINOACETIC ACID.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.19.10	<i>Feed additive preparation consisting of guanidinoacetic acid and starch (provided for in subheading 2309.90.95)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 74031. TUNGSTEN CONCENTRATE.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.19.11	<i>Tungsten concentrate, presented as a dense, granular powder, in a range of colors from sandy brown to black/grey depending on the other elements present (provided for in subheading 2611.00.60)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 74032. PIPERYLENE.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.19.12	<i>Distillates (petroleum), C3-6, piperylene-rich (CAS No. 68477-35-0) (provided for in subheading 2710.12.90)</i>	<i>3.5%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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11 **SEC. 74033. NORMAL PARAFFIN M (ALKANES C10–C14).**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.19.13	<i>A mixture of normal paraffin medium oils (alkanes, C10–14) (CAS No. 93924-07-3) (provided for in subheading 2710.19.90)</i>	<i>5.8%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74034. NEODYMIUM (ND) METAL.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.19.14	Neodymium metal (CAS No. 7440-00-8), whether or not intermixed or interalloyed (provided for in subheading 2805.30.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74035. PRASEODYMIUM (PR) METAL.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.19.15	Praseodymium metal (CAS No. 7440-10-0), whether or not intermixed or interalloyed (provided for in subheading 2805.30.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74036. HEAVY RARE EARTH METALS, DYSPROSIUM (DY)**
 8 **METAL AND TERBIUM (TB) METAL.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.19.16	Dysprosium metal (CAS No. 7429-91-6), terbium metal (CAS No. 7440-27-9), and heavy rare earth metals, whether or not intermixed or inter-alloyed (provided for in subheading 2805.30.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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11 **SEC. 74037. SCANDIUM CRYSTAL.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.19.17	Scandium crystals of 99.9 percent purity containing 3 ppm or less by weight of cobalt, 80 ppm or less by weight of chromium and 500 ppm or less by weight of iron (CAS No. 7440-20-2) (provided for in subheading 2805.30.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74038. HEXAFLUOROTITANIC ACID.**

2 *Subchapter II of chapter 99 is amended by inserting*

3 *in numerical sequence the following new heading:*

“	9902.19.18	Dihydrogen hexafluorotitanate(2-) (CAS No. 17439-11-1) (provided for in subheading 2811.19.61)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74039. SILICA GEL CAT LITTER WITH TRAY.**

5 *Subchapter II of chapter 99 is amended by inserting*

6 *in numerical sequence the following new heading:*

“	9902.19.19	Cat litter of synthetic silica gel, not crystalline, imported with a disposable cardboard tray coated with polyvinyl chloride (provided for in subheading 2811.22.10)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74040. DIOXOSILANE SPHERICAL PARTICLES (MEAN**

8 **PARTICLE SIZE 0.046-0.054 MM).**

9 *Subchapter II of chapter 99 is amended by inserting*

10 *in numerical sequence the following new heading:*

“	9902.19.20	Dioxosilane (silicon dioxide amorphous) (CAS No. 7631-86-9) presented in the form of entirely spherical microspheres, certified by the importer as having a mean particle size of between 0.046 and 0.054 mm, uniform particle size with a uniformity coefficient of 1.65 or less, specific electrical resistance of 50,000 Ohm cm or more, and surface area 300 to 700 m ² /g (provided for in subheading 2811.22.10)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74041. SILICA GEL CAT LITTER.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.19.21	Cat litter formulated from synthetic silica gel, put up for retail sale (provided for in subheading 2811.22.10)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74042. SULFURYL DICHLORIDE.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.19.22	Sulfuryl dichloride (CAS No. 7791-25-5) (provided for in subheading 2812.19.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74043. FS-10D ACICULAR ELECTROCONDUCTIVE TIN**
 8 **OXIDE.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.19.23	Dispersions of tin(IV) oxide (CAS No. 18282-10-5), doped with antimony pentoxide (CAS No. 1314-60-9), in water (provided for in subheading 2825.90.20)	Free	No change	No change	On or before 12/31/2023 ...”.
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11 **SEC. 74044. CERTAIN POTASSIUM FLUORIDE.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.19.24	Potassium fluoride (CAS No. 7789-23-3), spray-dried, crystalline, granular or any dry form (provided for in subheading 2826.19.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74045. OTHER POTASSIUM FLUORIDE.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.19.25	<i>Potassium fluoride (CAS No. 7789-23-3) other than spray-dried, crystalline, granular or any dry form (provided for in subheading 2826.19.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74046. LIPF6.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.19.26	<i>Lithium hexafluorophosphate (LiPF6) (CAS No. 21324-40-3) (provided for in subheading 2826.90.90)</i>	<i>1.8%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 74047. LIPO2F2.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.19.27	<i>Lithium difluorophosphate (LiPO2F2) (CAS No. 24389-25-1) (provided for in subheading 2826.90.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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10 **SEC. 74048. AMMONIUM FLUOROBORATE.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.19.28	<i>Azanium; tetrafluoroborate (CAS No. 13826-83-0) (provided for in subheading 2826.90.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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13 **SEC. 74049. SODIUM TETRAFLUOROBORATE.**

14 *Subchapter II of chapter 99 is amended by inserting*
 15 *in numerical sequence the following new heading:*

“	9902.19.29	Sodium tetrafluoroborate (CAS No. 13755-29-8) (pro- vided for in subheading 2826.90.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74050. FERRIC CHLORIDE.**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.19.30	Trichloroiron (CAS No. 7705- 08-0) (provided for in sub- heading 2827.39.55)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74051. FERROUS CHLORIDE.**

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.19.31	Iron(2+);dichloride (CAS No. 7758-94-3) (provided for in subheading 2827.39.55)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74052. CUPRIC CHLORIDE DIHYDRATE.**

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.19.32	Copper(II) chloride dihydrate (cupric chloride dihydrate) (CAS No. 10125-13-0) (pro- vided for in subheading 2827.39.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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10 **SEC. 74053. COPPER CHLORIDE ANHYDROUS.**

11 *Subchapter II of chapter 99 is amended by inserting*
12 *in numerical sequence the following new heading:*

“	9902.19.33	Copper(II) chloride anhydrous (CAS No. 7447-39-4) (pro- vided for in subheading 2827.39.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74054. MANGANESE CHLORIDE ANHYDROUS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.19.34	Manganese(2+);dichloride (anhydrous manganese chloride) (CAS No. 7773-01-5) (provided for in subheading 2827.39.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74055. MANGANESE CHLORIDE TETRAHYDRATE.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.19.35	Manganese(II) chloride tetrahydrate (CAS No. 13446-34-9) (provided for in subheading 2827.39.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74056. REDUCING AGENT.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.19.36	Acetic acid, 2-oxo-, reaction products with sodium dithionite (2:1) (CAS No. 1444365-63-2) (provided for in subheading 2831.10.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74057. MANGANESE CARBONATE.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.19.37	Manganese(2+);carbonate (CAS No. 598-62-9) (provided for in subheading 2836.99.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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13 **SEC. 74058. POTASSIUM TETRABORATE.**

14 *Subchapter II of chapter 99 is amended by inserting*
 15 *in numerical sequence the following new heading:*

“	9902.19.38	Potassium tetraborate (CAS No. 12045-78-2) (provided for in subheading 2840.20.00)	Free	No change	No change	On or before 12/31/2023 ...	”.
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1 **SEC. 74059. POTASSIUM PENTABORATE.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.19.39	Potassium pentaborate (CAS No. 12229-13-9) (provided for in subheading 2840.20.00)	Free	No change	No change	On or before 12/31/2023 ...	”.
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4 **SEC. 74060. AMMONIUM THIOCYANATE.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.19.40	Azanium;thiocyanate (ammonium thiocyanate) (CAS No. 1762-95-4) (provided for in subheading 2842.90.10)	Free	No change	No change	On or before 12/31/2023 ...	”.
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7 **SEC. 74061. MODIFIED AMINE COMPLEX OF BORON**
 8 **TRIFLUORIDE.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.19.41	Propan-2-amine, compound with trifluoroborane, reaction products with 2-(butoxymethyl)oxirane (amine complex of boron trifluoride) (CAS No. 68478-97-7) (provided for in subheading 2842.90.90)	Free	No change	No change	On or before 12/31/2023 ...	”.
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11 **SEC. 74062. TRICHLOROSILANE.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.19.42	Trichlorosilicon (CAS No. 10025-78-2) (provided for in subheading 2853.90.90)	Free	No change	No change	On or before 12/31/2023 ...	”.
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1 **SEC. 74067. PERFLUOROALKYL SULFONATE.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.19.47	Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate (CAS No. 29420-49-3) (provided for in subheading 2904.99.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74068. D-MANNITOL.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.19.48	(2R,3R,4R,5R)-Hexane-1,2,3,4,5,6-hexol (D-Mannitol) (CAS No. 69-65-8) (provided for in subheading 2905.43.00)	2.9%	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74069. 3,3,4,4,5,5,6,6,7,7,8,8,8-TRIDECAFLUOROCTAN-1-**
 8 **OL.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.19.49	3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctan-1-ol (CAS No. 647-42-7) (provided for in subheading 2905.59.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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11 **SEC. 74070. PHENYL ISOPROPANOL.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.19.50	2-Phenylpropan-2-ol (CAS No. 617-94-7) (provided for in subheading 2906.29.60)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74071. HYDROXYTYROSOL.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.19.51	4-(2-Hydroxyethyl)benzene-1,2-diol (Hydroxytyrosol) (CAS No. 10597-60-1) (provided for in subheading 2907.29.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74072. 1,6-DIHYDROXYNAPHTHALENE.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.19.52	Naphthalene-1,6-diol (CAS No. 575-44-0) (provided for in subheading 2907.29.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74073. ANTIOXIDANT FOR PLASTICS AND RUBBER.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.19.53	Antioxidant 330 (4-[[3,5-Bis[(3,5-ditert-butyl-4-hydroxyphenyl)methyl]-2,4,6-trimethylphenyl]methyl]-2,6-ditert-butylphenol) (CAS No. 1709-70-2) (provided for in subheading 2907.29.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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10 **SEC. 74074. TOLUHYDROQUINONE (THQ).**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.19.54	2-Methylbenzene-1,4-diol (CAS No. 95-71-6) (provided for in subheading 2907.29.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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13 **SEC. 74075. 1,1,1-TRIS(4-HYDROXYPHENYL)ETHANE.**

14 *Subchapter II of chapter 99 is amended by inserting*
 15 *in numerical sequence the following new heading:*

“	9902.19.55	4-[1,1-Bis(4-hydroxyphenyl)ethyl]phenol (CAS No. 27955-94-8) (provided for in subheading 2907.29.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74076. MPEG6-MESYLATE.**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.19.56	Methanesulfonic acid; 2-[2-[2-[2-(2-methoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethanol (CAS No. 130955-39-4) (provided for in subheading 2909.19.18)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74077. MONOETHYLENE GLYCOL DIMETHYL ETHER.**

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.19.57	1,2-Dimethoxyethane (CAS No. 110-71-4) (provided for in subheading 2909.19.60)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74078. DIETHYLENE GLYCOL DIMETHYL ETHER.**

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.19.58	1-Methoxy-2-(2-methoxyethoxy)ethane (CAS No. 111-96-6) (provided for in subheading 2909.19.60)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74079. DIETHYLENE GLYCOL DIBUTYL ETHER.**

11 *Subchapter II of chapter 99 is amended by inserting*
12 *in numerical sequence the following new heading:*

“	9902.19.59	1-[2-(2-Butoxyethoxy)ethoxy]butane (CAS No. 112-73-2) (provided for in subheading 2909.19.60)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74080. TETRAETHYLENE GLYCOL DIMETHYL ETHER.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.19.60	1-Methoxy-2-[2-(2-methoxyethoxy)ethoxy]ethane (CAS No. 143-24-8) (provided for in subheading 2909.19.60)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74081. GLYCOL DIETHER.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.19.61	1-Methoxy-3-(3-methoxypropoxy)propane (CAS No. 111109-77-4) (provided for in subheading 2909.49.60)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74082. DIGLYCIDYL RESORCINOL ETHER.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.19.64	2-[[3-(Oxiran-2-ylmethoxy)phenoxy]methyl]oxirane (diglycidyl resorcinol ether) (CAS No. 101-90-6) (provided for in subheading 2910.90.20)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74083. ALLYL GLYCIDYL ETHER.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.19.66	2-(Prop-2-enoxymethyl)oxirane (allyl glycidyl ether) (CAS No. 106-92-3) (provided for in subheading 2910.90.91)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74084. VINYL CYCLOHEXANE MONOXIDE.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.19.67	3-Ethenyl-7-oxabicyclo[4.1.0]heptane (CAS No. 106–86–5) (provided for in subheading 2910.90.91)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74085. TECHNICAL GRADE OF BUTYL GLYCIDYL ETHER.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.19.68	Technical grade 2-(butoxymethyl)oxirane (CAS No. 2426–08–6) (provided for in subheading 2910.90.91)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74086. ALIPHATIC GLYCIDYL ETHER.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.19.69	2-(2-Ethylhexoxymethyl)oxirane (CAS No. 2461–15–6) (provided for in subheading 2910.90.91)	Free	No change	No change	On or before 12/31/2023 ... ”.
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10 **SEC. 74087. DIGLYCIDYL ETHER OF 1,4-BUTANEDIOL.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.19.70	2-[4-(Oxiran-2-ylmethoxy)butoxymethyl]oxirane (CAS No. 2425–79–8) (provided for in subheading 2910.90.91)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74088. TECHNICAL GRADE OF THE GLYCIDYL ETHER**
 2 **OF CYCLOHEXANE DIMETHANOL.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.19.71	2-[[4-(Oxiran-2-ylmethoxymethyl)cyclohexyl]methoxymethyl]oxirane (1,4-bis((2,3-epoxypropoxymethyl)cyclohexane technical) (CAS No. 14228-73-0) (provided for in subheading 2910.90.91)	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 74089. GLYCIDYL ESTER OF NEODECANOIC ACID.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.19.72	2,3-Epoxypropyl neodecanoate (CAS No. 26761-45-5) (provided for in subheading 2910.90.91)	Free	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 74090. CUMALDEHYDE.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.19.73	4-Propan-2-ylbenzaldehyde (Cumaldehyde) (CAS No. 122-03-2) (provided for in subheading 2912.29.60)	Free	No change	No change	On or before 12/31/2023 ... ”.
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11 **SEC. 74091. CYPRINAL.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.19.74	α -Methylcinnamaldehyde (CAS No. 101-39-3) (provided for in subheading 2912.29.60)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74092. SODIUM O-FORMYLBENZENESULFONATE.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.19.75	Sodium;2-formylbenzenesulfonate (CAS No. 1008-72-6) (provided for in subheading 2913.00.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74093. ACETYLACETONE.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.19.76	Pentane-2,4-dione (Acetylacetone) (CAS No. 123-54-6) (provided for in subheading 2914.19.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74094. ACETYL PROPIONYL.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.19.77	Pentane-2,3-dione (CAS No. 600-14-6) (provided for in subheading 2914.19.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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10 **SEC. 74095. ALPHA IONONE.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.19.78	(E)-4-(2,6,6-Trimethylcyclohex-2-en-1-yl)but-3-en-2-one (α -ionone) derived from natural sources (CAS No. 127-41-3) (provided for in subheading 2914.23.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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13 **SEC. 74096. 2,3,4,5 TETRAMETHYLCYCLOPENT-2-ENONE.**

14 *Subchapter II of chapter 99 is amended by inserting*
 15 *in numerical sequence the following new heading:*

“	9902.19.79	2,3,4,5-Tetramethylcyclopent-2-enone (CAS No. 54458-61-6) (provided for in subheading 2914.29.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74097. MENTHONE.**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.19.80	Menthone ((2S,5R)-5-methyl-2-propan-2-ylcyclohexan-1-one) derived from natural sources (CAS No. 89-80-5) (provided for in subheading 2914.29.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74098. L-CARVONE.**

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.19.81	(5R)-2-Methyl-5-(prop-1-en-2-yl)cyclohex-2-en-1-one (L-carvone) (CAS No. 6485-40-1) (provided for in subheading 2914.29.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74099. BENZOIN.**

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.19.82	2-Hydroxy-1,2-diphenylethanone (Benzoin) (CAS No. 119-53-9) (provided for in subheading 2914.40.40)	Free	No change	No change	On or before 12/31/2023 ... ”.
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10 **SEC. 74100. METHYL CYCLOPENTENOLONE.**

11 *Subchapter II of chapter 99 is amended by inserting*
12 *in numerical sequence the following new heading:*

“	9902.19.83	Methyl cyclopentenolone (2-hydroxy-3-methylcyclopent-2-en-1-one) (CAS No. 80-71-7) (provided for in subheading 2914.40.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74101. 2,4-DIHYDROXY-1,5-DIBENZOYL BENZENE.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.19.84	(4,6-Dihydroxy-1,3-phenylene)bis(phenylmethanone) (CAS No. 3088-15-1) (provided for in subheading 2914.50.30)	Free	No change	No change	On or before 12/31/2023 ...	”.
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4 **SEC. 74102. DIFLUOROBENZOPHENONE (DFBP).**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.19.85	Bis(4-fluorophenyl)methanone (CAS No. 345-92-6) (provided for in subheading 2914.79.40)	2.3%	No change	No change	On or before 12/31/2023 ...	”.
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7 **SEC. 74103. PTMI.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.19.86	2-Methyl-1-[4-(trifluoromethoxy)phenyl]propan-1-one (CAS No. 56425-84-4) (provided for in subheading 2914.79.40)	Free	No change	No change	On or before 12/31/2023 ...	”.
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10 **SEC. 74104. METRAFENONE.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.19.87	(3-Bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)methanone (Metrafenone) (CAS No. 220899-03-6) (provided for in subheading 2914.79.40)	Free	No change	No change	On or before 12/31/2023 ...	”.
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1 **SEC. 74105. HEXACHLOROACETONE.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.19.88	<i>Hexachloroacetone; 1,1,1,3,3,3-hexachloropropan-2-one (CAS No. 116-16-5) (provided for in subheading 2914.79.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74106. FIRE SUPPRESSION AGENT.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.19.89	<i>1,1,1,2,2,4,5,5,5-nonafluoro-4-(trifluoromethyl)pentan-3-one (CAS No. 756-13-8) (provided for in subheading 2914.79.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 74107. D(+)-10-CAMPHOR SULFONIC ACID.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.19.90	<i>(1S,4R)-7,7-Dimethyl-2-oxo-1-bicyclo[2.2.1]heptanyl]methanesulfonic acid (CAS No. 3144-16-9) (provided for in subheading 2914.79.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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10 **SEC. 74108. BENZYL ACETATE.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.19.91	<i>Benzyl acetate (CAS No. 140-11-4) (provided for in subheading 2915.39.10)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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13 **SEC. 74109. PROPYLENE GLYCOL DIACETATE.**

14 *Subchapter II of chapter 99 is amended by inserting*
 15 *in numerical sequence the following new heading:*

“	9902.19.92	2-Acetyloxypropyl acetate (CAS No. 623-84-7) (provided for in subheading 2915.39.47)	Free	No change	No change	On or before 12/31/2023 ...	”.
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1 **SEC. 74110. ISOPROPENYL ACETATE.**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.19.93	Prop-1-en-2-yl acetate (Isopro- penyl acetate) (CAS No. 108- 22-5) (provided for in sub- heading 2915.39.90)	Free	No change	No change	On or before 12/31/2023 ...	”.
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4 **SEC. 74111. DIACETIN.**

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.19.94	(2-Acetyloxy-3-hydroxypropyl) acetate (CAS No. 25395-31-7) (provided for in subheading 2915.39.90)	Free	No change	No change	On or before 12/31/2023 ...	”.
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7 **SEC. 74112. COCOAMINE.**

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.19.95	Amines, coco alkyl (Cocoamine) (CAS No. 61788- 46-3) (provided for in sub- heading 2915.90.10)	Free	No change	No change	On or before 12/31/2023 ...	”.
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10 **SEC. 74113. CAPRYLIC ACID 98%.**

11 *Subchapter II of chapter 99 is amended by inserting*
12 *in numerical sequence the following new heading:*

“	9902.19.96	Decanoic acid (CAS No. 334- 48-5) (provided for in sub- heading 2915.90.10)	Free	No change	No change	On or before 12/31/2023 ...	”.
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1 **SEC. 74114. FINE ZINC MYRISTATE POWDER.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.19.97	Zinc myristate powder, 99 percent is under 300 mesh (CAS No. 16260–27–8) (provided for in subheading 2915.90.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74115. FINE MAGNESIUM MYRISTATE POWDER.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.19.98	Magnesium tetradecanoate powder (CAS No. 4086–70–8) (provided for in subheading 2915.90.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74116. DIPENTAERYTHRITYL**
 8 **HEXAHYDROXYSTEARATE/HEXASTEARATE/**
 9 **HEXAROSINATE.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.19.99	Dipentaerythryl mixed esters with stearate, 12-hydroxyoctadecanoate and resinolate, two acidic residues (CAS No. 208126–52–7) (provided for in subheading 2915.90.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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12 **SEC. 74117. POLYGLYCERYL-2 TRIISOSTEARATE.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.20.01	[3-[2,3-bis(16-Methylheptadecanoylox-yl)propoxy]-2-hydroxypropyl] 16-methylheptadecanoate (CAS No. 120486–24–0) (provided for in subheading 2915.90.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74118. NEOPENTYL GLYCOL DIETHYLHEXANOATE.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.20.02	[3-(2-Ethylhexanoyloxy)-2,2-dimethylpropyl] 2-ethylhexanoate (CAS No. 28510-23-8) (provided for in subheading 2915.90.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74119. ISONONYL ISONONATE.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.20.03	7-Methyloctyl 7-methyloctanoate (CAS No. 42131-25-9) (provided for in subheading 2915.90.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74120. ACETYL CHLORIDE.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.20.04	Acetyl chloride (CAS No. 75-36-5) (provided for in subheading 2915.90.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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10 **SEC. 74121. POTASSIUM SORBATE.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.20.05	Potassium;(2E,4E)-hexa-2,4-dienoate (Potassium sorbate) (CAS No. 24634-61-5) (provided for in subheading 2916.19.10)	2%	No change	No change	On or before 12/31/2023 ... ”.
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13 **SEC. 74122. VINYL CHLOROFORMATE.**

14 *Subchapter II of chapter 99 is amended by inserting*
 15 *in numerical sequence the following new heading:*

“	9902.20.06	Ethenyl carbonochloridate (Vinyl chloroformate) (CAS No. 5130-24-5) (provided for in subheading 2916.19.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74123. PERMETHRIN.**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.20.07	(3-Phenoxyphenyl)methyl 3- (2,2-dichloroethenyl)-2,2- dimethylcyclopropane-1- carboxylate (Permethrin) (CAS No. 52645-53-1) (pro- vided for in subheading 2916.20.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74124. SODIUM BENZOATE.**

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.20.08	Micronized sodium benzoate (CAS No. 532-32-1) of a kind used as a polymer modifier (provided for in subheading 2916.31.11)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74125. BENZOIC ACID, FLAKE.**

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.20.09	Benzoic acid, flake (CAS No. 65-85-0) (provided for in sub- heading 2916.31.11)	4.3%	No change	No change	On or before 12/31/2023 ... ”.
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10 **SEC. 74126. DIETHYLENE GLYCOL DIBENZOATE.**

11 *Subchapter II of chapter 99 is amended by inserting*
12 *in numerical sequence the following new heading:*

“	9902.20.10	2-(2-Benzoyloxyethoxy)ethyl benzoate (CAS No. 120-55-8) (provided for in subheading 2916.31.30)	1%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74127. METHYL BENZOATE.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.20.11	Methyl benzoate (CAS No. 93-58-3) (provided for in subheading 2916.31.50)	Free	No change	No change	On or before 12/31/2023 ...	”.
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4 **SEC. 74128. M-NITROBENZOIC ACID SODIUM SALT.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.20.12	Sodium; 3-nitrobenzoate (CAS No. 827-95-2) (provided for in subheading 2916.39.79)	Free	No change	No change	On or before 12/31/2023 ...	”.
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7 **SEC. 74129. P-NITROBENZOIC ACID.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.20.13	4-Nitrobenzoic acid (CAS No. 62-23-7) (provided for in subheading 2916.39.79)	Free	No change	No change	On or before 12/31/2023 ...	”.
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10 **SEC. 74130. 4-TERT BUTYLBENZOIC ACID.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.20.14	4-tert-Butylbenzoic acid (CAS No. 98-73-7) (provided for in subheading 2916.39.79)	Free	No change	No change	On or before 12/31/2023 ...	”.
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13 **SEC. 74131. SODIUM ADIPATE.**

14 *Subchapter II of chapter 99 is amended by inserting*
 15 *in numerical sequence the following new heading:*

“	9902.20.15	Disodium hexanedioate (Sodium adipate) (CAS No. 7486-38-6), in granule form, with a particle size of 250 µm to 850 µm (provided for in subheading 2917.12.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74132. DIMETHYL SEBACATE (DMS).**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.20.16	Dimethyl sebacate (CAS No. 106-79-6) (provided for in subheading 2917.13.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74133. DODECANEDIOIC ACID.**

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.20.17	Dodecanedioic acid (CAS No. 693-23-2) (provided for in subheading 2917.19.70)	2.8%	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74134. POLYHYDROXYSTEARIC ACID OF LOW ACID**
8 **VALUE.**

9 *Subchapter II of chapter 99 is amended by inserting*
10 *in numerical sequence the following new heading:*

“	9902.20.18	Acyclic polycarboxylic containing octadecanoic acid, 12-hydroxy-, homopolymer, octadecanoate with an acid value less than 40 mg/g KOH (CAS No. 58128-22-6) (provided for in subheading 2917.19.70)	Free	No change	No change	On or before 12/31/2023 ...”.
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11 **SEC. 74135. UNDECANEDIOIC ACID.**

12 *Subchapter II of chapter 99 is amended by inserting*
13 *in numerical sequence the following new heading:*

“	9902.20.19	Undecanedioic acid (CAS No. 1852-04-6) (provided for in subheading 2917.19.70)	Free	No change	No change	On or before 12/31/2023 ...	”.
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1 SEC. 74136. HEXADECANEDIOIC ACID.

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.20.20	Hexadecanedioic acid (CAS No. 505-54-4) (provided for in subheading 2917.19.70)	Free	No change	No change	On or before 12/31/2023 ...	”.
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4 SEC. 74137. TETRADECANEDIOIC ACID.

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.20.21	Tetradecanedioic acid (CAS No. 821-38-5) (provided for in subheading 2917.19.70)	Free	No change	No change	On or before 12/31/2023 ...	”.
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7 SEC. 74138. PENTADECANEDIOIC ACID.

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.20.22	Pentadecanedioic acid (CAS No. 1460-18-0) (provided for in subheading 2917.19.70)	Free	No change	No change	On or before 12/31/2023 ...	”.
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10 SEC. 74139. TRIDECANEDIOIC ACID.

11 *Subchapter II of chapter 99 is amended by inserting*
12 *in numerical sequence the following new heading:*

“	9902.20.23	Tridecanedioic acid (CAS No. 505-52-2) (provided for in subheading 2917.19.70)	Free	No change	No change	On or before 12/31/2023 ...	”.
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1 **SEC. 74140. METHYL 1-(METHOXYCAR-**
 2 **BONYL)CYCLOPROPANECARBOXYLATE**
 3 **(CPDM).**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.20.24	Dimethyl 1,1-cyclopropanedicarboxylate (CAS No. 6914-71-2) (provided for in subheading 2917.20.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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6 **SEC. 74141. CALCIUM HHPA.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.20.25	Calcium (1S,2R)-cyclohexane-1,2-dicarboxylate (CAS No. 491589-22-1) (provided for in subheading 2917.20.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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9 **SEC. 74142. DIETHYL PHTHALATE.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.20.26	Diethyl benzene-1,2-dicarboxylate (CAS No. 84-66-2) (provided for in subheading 2917.34.01)	Free	No change	No change	On or before 12/31/2023 ...”.
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12 **SEC. 74143. AMMONIUM LACTATE.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.20.27	Ammonium lactate (Azanium;2-hydroxypropanoate) (CAS No. 515-98-0) having a purity of at least 99 percent (provided for in subheading 2918.11.51)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74144. TRIETHYL 2-HYDROXYPROPANE-1,2,3-**
 2 **TRICARBOXYLATE.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.20.28	Triethyl 2-hydroxypropane-1,2,3-tricarboxylate (CAS No. 77-93-0) (provided for in subheading 2918.15.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74145. DIISOSTEARYL MALATE.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.20.29	Carboxylic acid of bis(16-methylheptadecyl) 2-hydroxybutanedioate (CAS No. 81230-05-9) (provided for in subheading 2918.19.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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8 **SEC. 74146. SALICYLIC ACID.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.20.30	2-Hydroxybenzoic acid (salicylic acid) (CAS No. 69-72-7) (provided for in subheading 2918.21.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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11 **SEC. 74147. HEXYL SALICYLATE.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.20.31	Hexyl 2-hydroxybenzoate (CAS No. 6259-76-3) (provided for in subheading 2918.23.20)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74148. ALPHA-KETOGLUTERIC ACID.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.20.32	Alpha-ketoglutaric acid (2-oxopentanedioic acid) (CAS No. 328–50–7) (provided for in subheading 2918.30.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74149. MCPB HERBICIDE.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.20.33	4-(4-Chloro-2-methylphenoxy)butyric acid (CAS No. 94–81–5) (provided for in subheading 2918.99.18)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74150. 2,4-D BUTOXYETHYLESTER.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.20.34	2-Butoxyethyl 2-(2,4-dichlorophenoxy)acetate (CAS No. 1929–73–3) (provided for in subheading 2918.99.20)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74151. 2-(2,4-DICHLOROPHENOXY)ACETIC ACID.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.20.35	2-(2,4-Dichlorophenoxy)acetic acid (CAS No. 94–75–7) (provided for in subheading 2918.99.20)	4.9%	No change	No change	On or before 12/31/2023 ...”.
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13 **SEC. 74152. DIGLYCOLIC ACID 98%.**

14 *Subchapter II of chapter 99 is amended by inserting*
 15 *in numerical sequence the following new heading:*

“	9902.20.36	2-(Carboxymethoxy)acetic acid (diglycolic acid) having a purity of at least 98 percent (CAS No. 110-99-6) (provided for in subheading 2918.99.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74153. TRI-ISO-BUTYL PHOSPHATE (TIBP).**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.20.37	tris(2-Methylpropyl) phosphate (CAS No. 126-71-6) (provided for in subheading 2919.90.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74154. TRIMETHYLPHOSPHITE.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.20.38	Trimethyl phosphite (CAS No. 121-45-9) (provided for in subheading 2920.23.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74155. ORGANIC PHOSPHITE.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.20.39	1,9-Dicyclohexyl-11-hydroxy-3,7-dimethyl-5H-benzo[d][1,3,2]benzodioxaphosphocine (CAS No. 73912-21-7) (provided for in subheading 2920.90.20)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74156. DIETHYL SULFATE.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.20.40	Diethyl sulfate (CAS No. 64-67-5) (provided for in subheading 2920.90.51)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74157. DIETHYL CARBONATE.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.20.41	Diethyl carbonate (CAS No. 105–58–8) (provided for in subheading 2920.90.51)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74158. ETHYL METHYL CARBONATE.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.20.42	Ethyl methyl carbonate (CAS No. 623–53–0) (provided for in subheading 2920.90.51)	2.7%	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74159. TETRADECOXYCARBONYLOXY TETRADECYL**
 8 **CARBONATE.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.20.43	Tetradecoxycarbonyloxy tetradecyl carbonate (CAS No. 53220–22–7) (provided for in subheading 2920.90.51)	Free	No change	No change	On or before 12/31/2023 ... ”.
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11 **SEC. 74160. DICETYL PEROXYDICARBONATE.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.20.44	Hexadecoxycarbonyloxy hexadecyl carbonate (CAS No. 26322–14–5) (provided for in subheading 2920.90.51)	Free	No change	No change	On or before 12/31/2023 ... ”.
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14 **SEC. 74161. TETRAETHYL SILICATE.**

15 *Subchapter II of chapter 99 is amended by inserting*
 16 *in numerical sequence the following new heading:*

“	9902.20.45	Tetraethyl silicate (CAS No. 78–10–4) (provided for in subheading 2920.90.51)	Free	No change	No change	On or before 12/31/2023 ...	”.
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1 **SEC. 74162. TERT-OCTYLAMINE.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.20.46	2,4,4-Trimethylpentan-2-amine (CAS No. 107–45–9) (provided for in subheading 2921.19.61)	Free	No change	No change	On or before 12/31/2023 ...	”.
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4 **SEC. 74163. OCTADECYLAMINE.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.20.47	Octadecan-1-amine (Octadecylamine) (CAS No. 124–30–1) (provided for in subheading 2921.19.61)	Free	No change	No change	On or before 12/31/2023 ...	”.
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7 **SEC. 74164. N'-(3-AMINOPROPYL)-N'-DODECYLPROPANE-1,3-**
 8 **DIAMINE.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.20.48	N'-(3-Aminopropyl)-N'-dodecylpropane-1,3-diamine (CAS No. 2372–82–9) (provided for in subheading 2921.29.00)	Free	No change	No change	On or before 12/31/2023 ...	”.
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11 **SEC. 74165. 1,10-DIAMINODECANE.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.20.49	Decane-1,10-diamine (CAS No. 646–25–3) (provided for in subheading 2921.29.00)	Free	No change	No change	On or before 12/31/2023 ...	”.
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1 **SEC. 74166. 1,5-PENTANEDIAMINE.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.20.50	Pentane-1,5-diamine (CAS No. 462-94-2) (provided for in subheading 2921.29.00)	Free	No change	No change	On or before 12/31/2023 ...	”.
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4 **SEC. 74167. DICYCLOHEXYLAMINE.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.20.51	N-cyclohexylecyclohexanamine (CAS No. 101-83-7) (provided for in subheading 2921.30.30)	Free	No change	No change	On or before 12/31/2023 ...	”.
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7 **SEC. 74168. AMANTADINE HYDROCHLORIDE 99%.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.20.52	Adamantan-1-amine hydrochloride having a purity of at least 99 percent (CAS No. 665-66-7) (provided for in subheading 2921.30.50)	Free	No change	No change	On or before 12/31/2023 ...	”.
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10 **SEC. 74169. N,N-DIMETHYLANILINE.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.20.53	N,N-Dimethylaniline (CAS No. 121-69-7) (provided for in subheading 2921.42.10)	Free	No change	No change	On or before 12/31/2023 ...	”.
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13 **SEC. 74170. PARANITROANILINE (PNA).**

14 *Subchapter II of chapter 99 is amended by inserting*
 15 *in numerical sequence the following new heading:*

“	9902.20.54	<i>p</i> -Nitroaniline (CAS No. 100-01-6) (provided for in subheading 2921.42.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74171. DICLORAN.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.20.55	2,6-Dichloro-4-nitroaniline (Dicloran) (CAS No. 99-30-9) (provided for in subheading 2921.42.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74172. N,N-DIMETHYL-P-TOLUIDINE.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.20.56	<i>N,N</i> -Dimethyl- <i>p</i> -toluidine (CAS No. 99-97-8) (provided for in subheading 2921.43.08)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74173. PENDIMETHALIN TECHNICAL.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.20.57	3,4-Dimethyl-2,6-dinitro- <i>N</i> -pentan-3-ylaniline (Pendimethalin) (CAS No. 40487-42-1) (provided for in subheading 2921.49.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74174. BENZYLDIMETHYLAMINE.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.20.58	<i>N,N</i> -Dimethyl-1-phenylmethanamine (CAS No. 103-83-3) (provided for in subheading 2921.49.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74175. DIPHENYL DIPHENYLENE DIAMINE.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.20.59	1-N,4-N-Diphenylbenzene-1,4-diamine (CAS No. 74-31-7) (provided for in subheading 2921.51.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74176. CURATIVE FOR EPOXY RESIN SYSTEMS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.20.60	4-[(4-Amino-3-methyl-5-propan-2-ylphenyl)methyl]-2-methyl-6-propan-2-ylaniline (CAS No. 16298-38-7) (provided for in subheading 2921.59.40)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74177. TFMB.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.20.61	4-[4-Amino-2-(trifluoromethyl)phenyl]-3-(trifluoromethyl)aniline (CAS No. 341-58-2) (provided for in subheading 2921.59.80)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74178. S-N-ALKYL-ANILIN.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.20.62	2-Ethyl-N-[(2S)-1-methoxypropan-2-yl]-6-methylaniline (CAS No. 118604-70-9) (provided for in subheading 2922.19.60)	2.9%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74179. P-CRESIDINE.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.20.63	2-Methoxy-5-methylaniline (CAS No. 120-71-8) (provided for in subheading 2922.29.81)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74180. IMINODIACETIC ACID.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.20.64	2-(Carboxymethylamino)acetic acid (CAS No. 142-73-4) (provided for in subheading 2922.49.49)	1%	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74181. 11 AMINOUNDECANOIC ACID.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.20.65	11-Aminoundecanoic acid (CAS No. 2432-99-7) (pro- vided for in subheading 2922.49.49)	2.6%	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74182. L-ORINITHINE L-ASPARTATE.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.20.66	(2S)-2-Aminobutanedioic acid;(2S)-2,5- diaminopentanoic acid (CAS No. 3230-94-2) (provided for in subheading 2922.49.49)	Free	No change	No change	On or before 12/31/2023 ...”.
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13 **SEC. 74183. IRON SODIUM DTPA.**

14 *Subchapter II of chapter 99 is amended by inserting*
 15 *in numerical sequence the following new heading:*

“	9902.20.67	Sodium 2-[bis[2-(carboxymethyl)amino]ethyl]amino]acetate iron (CAS No. 12389-75-2) (provided for in subheading 2922.49.80)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 SEC. 74184. IRON GLYCINATE COMPLEX.

2 Subchapter II of chapter 99 is amended by inserting
3 in numerical sequence the following new heading:

“	9902.20.68	Ferrate(2-), hexaqua[μ-(glycinato-κO; κO′)](glycinato-κO)bis[sulfato(2-)-κO]di-, dihydrogen (CAS No. 536974-51-3) (provided for in subheading 2922.49.80)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 SEC. 74185. COPPER GLYCINATE COMPLEX.

5 Subchapter II of chapter 99 is amended by inserting
6 in numerical sequence the following new heading:

“	9902.20.69	Cuprate(1-), diaqua(glycinato-κO)[sulfato(2-)-κO]-, hydrogen (CAS No. 536974-53-5) (provided for in subheading 2922.49.80)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 SEC. 74186. ZINC GLYCINATE COMPLEX.

8 Subchapter II of chapter 99 is amended by inserting
9 in numerical sequence the following new heading:

“	9902.20.70	Zincate(1-), diaqua(glycinato-κO)[sulfato(2-)-κO]-, hydrogen, (T-4)- (CAS No. 536974-54-6) (provided for in subheading 2922.49.80)	Free	No change	No change	On or before 12/31/2023 ... ”.
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10 SEC. 74187. MANGANESE GLYCINATE COMPLEX.

11 Subchapter II of chapter 99 is amended by inserting
12 in numerical sequence the following new heading:

“	9902.20.71	Manganese(2+) 2-aminoacetate (CAS No. 14281-77-7) (provided for in subheading 2922.49.80)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74188. IRON SODIUM EDDHA.**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.20.72	Iron sodium ethylenediaminedihydroxyphenylacetic acid (sodium [[α,α' -(ethylenediimino)bis[2-hydroxybenzene-1-acetato]](4-)]ferrate(1-)) (CAS No. 16455-61-1) (provided for in subheading 2922.50.35)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74189. DMF-DMA.**

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.20.73	1,1-Dimethoxy-N,N-dimethylmethanamine (CAS No. 4637-24-5) (provided for in subheading 2922.50.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74190. MIXTURES OF DMSO AND TETRABUTYL AMMO-**
8 **NIUM FLUORIDE.**

9 *Subchapter II of chapter 99 is amended by inserting*
10 *in numerical sequence the following new heading:*

“	9902.20.74	Mixtures of methylsulfinylmethane (Dimethyl sulfoxide DMSO) (CAS No. 67-68-5) and tetrabutylammonium fluoride trihydrate (tetrabutylazanium;fluoride;trihydrate) (CAS No. 87749-50-6) (60:40) (provided for in subheading 2923.90.01)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74191. BETAINE.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.20.75	Betaine (2-(trimethylazaniumyl)acetate) (CAS No. 107-43-7) (provided for in subheading 2923.90.01)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74192. PROLONIUM CHLORIDE IN AQUEOUS SOLUTION.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.20.76	Aqueous solution of [2-hydroxy-3-(trimethylazaniumyl)propyl]-trimethylazanium;dichloride with a concentration of greater than 49 percent and less than 51 percent by weight (CAS No. 55636-09-4) (provided for in subheading 2923.90.01)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74193. N,N-DIMETHYLACETAMIDE.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.20.77	N,N-Dimethylacetamide (CAS No. 127-19-5) (provided for in subheading 2924.19.11)	2%	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74194. N,N-DIMETHYLFORMAMIDE.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.20.78	N,N-Dimethylformamide (CAS No. 68-12-2) (provided for in subheading 2924.19.11)	1.2%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74195. DAAM.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.20.79	<i>N</i> -(2-Methyl-4-oxo-2-pentanyl)acrylamide (CAS No. 2873-97-4) (provided for in subheading 2924.19.80)	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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4 **SEC. 74196. L-ALANYL L-GLUTAMINE.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.20.80	<i>L</i> -Alanyl <i>L</i> -glutamine ((2 <i>S</i>)-5-amino-2-[[[(2 <i>S</i>)-2-aminopropanoyl]amino]-5-oxopentanoic acid] (CAS No. 39537-23-0) (provided for in subheading 2924.19.80)	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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7 **SEC. 74197. GRANULAR ACRYLAMIDO-TERT-BUTYL SUL-**
8 **FONIC ACID (ATBS).**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.20.81	<i>Granular 2-methyl-2-(prop-2-enoylamino)propane-1-sulfonic acid</i> (CAS No. 15214-89-8) (provided for in subheading 2924.19.80)	6%	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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11 **SEC. 74198. GLYCYL-L-GLUTAMINE HYDRATE.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.20.82	<i>Glycyl-L</i> -glutamine hydrate ((2 <i>S</i>)-5-amino-2-[(2-aminocetyl)amino]-5-oxopentanoic acid;hydrate) (CAS No. 211446-46-7) (provided for in subheading 2924.19.80)	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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1 **SEC. 74199. NOVIFLUMURON.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.20.83	N-[[3,5-Dichloro-2-fluoro-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]carbamoyl]-2,6-difluorobenzamide (Noviflumuron) (CAS No. 121451-02-3) (provided for in subheading 2924.21.20)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74200. PROPANIL TECHNICAL.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.20.84	N-(3,4-dichlorophenyl)propanamide (CAS No. 709-98-8) (provided for in subheading 2924.29.47)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74201. HEXAFLUMURON.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.20.85	N-[[3,5-Dichloro-4-(1,1,2,2-tetrafluoroethoxy)phenyl]carbamoyl]-2,6-difluorobenzamide (Hexaflumuron) (CAS No. 86479-06-3) (provided for in subheading 2924.29.47)	4.4%	No change	No change	On or before 12/31/2023 ... ”.
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10 **SEC. 74202. STABILIZER FOR PLASTICS AND RUBBER.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.20.86	3-(3,5-Ditert-butyl-4-hydroxyphenyl)-N-[3-(3,5-ditert-butyl-4-hydroxyphenyl)propanoylamino]propyl]propanamide (CAS No. 69851-61-2) (provided for in subheading 2924.29.71)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74203. 2-AMINO-5-CHLORO-N,3-DIMETHYLBENZAMIDE.**2 *Subchapter II of chapter 99 is amended by inserting*3 *in numerical sequence the following new heading:*

“	9902.20.87	2-Amino-5-chloro-N,3-dimethylbenzamide (CAS No. 890707-28-5) (provided for in subheading 2924.29.71)	6.1%	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74204. GLYCYL-L-TYROSINE DIHYDRATE.**5 *Subchapter II of chapter 99 is amended by inserting*6 *in numerical sequence the following new heading:*

“	9902.20.88	Glycyl-L-tyrosine dihydrate ((2S)-2-[(2-aminoacetyl)amino]-3-(4-hydroxyphenyl)propanoic acid;dihydrate) (CAS No. 39630-46-1) (provided for in subheading 2924.29.71)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74205. L-ALANYL-L-TYROSINE.**8 *Subchapter II of chapter 99 is amended by inserting*9 *in numerical sequence the following new heading:*

“	9902.20.89	L-Alanyl L-tyrosine ((2S)-2-[[[(2S)-2-aminopropanoyl]amino]-3-(4-hydroxyphenyl)propanoic acid] (CAS No. 3061-88-9) (provided for in subheading 2924.29.71)	Free	No change	No change	On or before 12/31/2023 ... ”.
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10 **SEC. 74206. ENZALUTAMIDE ITS-2.**11 *Subchapter II of chapter 99 is amended by inserting*12 *in numerical sequence the following new heading:*

“	9902.20.90	2-[3-Fluoro-4-(methylcarbamoyl)anilino]-2-methylpropanoic acid (CAS No. 1289942-66-0) (provided for in subheading 2924.29.71)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74207. 4-BROMO-2-FLUORO-N-METHYLBENZAMIDE.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.20.91	4-Bromo-2-fluoro-N-methylbenzamide (CAS No. 749927-69-3) (provided for in subheading 2924.29.71)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74208. N-BOC-1-AMINOCYCLOBUTANECARBOXYLIC**
 5 **ACID.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.20.92	1-[(2-Methylpropan-2-yl)oxy-carbonylamino]cyclobutane-1-carboxylic acid (CAS No. 120728-10-1) (provided for in subheading 2924.29.95)	Free	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 74209. N'-(1,3-DIMETHYLBUTYLIDENE)-3-HYDROXY-2-**
 9 **NAPHTHOHYDRAZIDE (BMH) (OIL TREATED).**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.20.93	3-Hydroxy-N-[(Z)-4-methylpentan-2-ylideneamino]naphthalene-2-carboxamide (CAS No. 214417-91-1), oil treated (provided for in subheading 2925.19.42)	3.5%	No change	No change	On or before 12/31/2023 ... ”.
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12 **SEC. 74210. GUANIDINE SULFAMATE.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.20.94	Guanidine sulfamic acid (CAS No. 50979-18-5) (provided for in subheading 2925.29.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74211. LIQUID, BLOCKED CYCLOALIPHATIC DIAMINE**
 2 **USED AS CROSSLINKER FOR**
 3 **POLYISOCYANATE RESINS.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.20.95	2-Methyl-N-[[1,3,3-trimethyl-5-(2-methylpropylideneamino)cyclohexyl]methyl]propan-1-imine (CAS No. 54914-37-3) (provided for in subheading 2925.29.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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6 **SEC. 74212. 3,4-DIFLUOROBENZONITRILE.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.20.96	3,4-Difluorobenzonitrile (CAS No. 64248-62-0) (provided for in subheading 2926.90.43)	Free	No change	No change	On or before 12/31/2023 ...”.
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9 **SEC. 74213. 2-AMINO-5-CYANO-N,3-DIMETHYLBENZAMIDE.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.20.97	2-Amino-5-cyano-N,3-dimethylbenzamide (CAS No. 890707-29-6) (provided for in subheading 2926.90.43)	4.5%	No change	No change	On or before 12/31/2023 ...”.
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12 **SEC. 74214. TFMPA.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.20.98	2-[3-(Trifluoromethyl)phenyl]acetonitrile (CAS No. 2338-76-3) (provided for in subheading 2926.90.48)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74215. DIMETHYL 2,2'-AZOBISISOBUTYRATE.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.20.99	Methyl 2-[(1-methoxy-2-methyl-1-oxopropan-2-yl)diazenyl]-2-methylpropanoate (CAS No. 2589-57-3) (provided for in subheading 2927.00.40)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74216. ANTIOXIDANT/METAL DEACTIVATOR.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.21.01	3-(3,5-Ditert-butyl-4-hydroxyphenyl)-N'-[3-(3,5-ditert-butyl-4-hydroxyphenyl)propanoyl]propanehydrazide (CAS No. 32687-78-8) (provided for in subheading 2928.00.25)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74217. BENZYL CARBAZATE.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.21.02	Benzyl N-aminocarbamate (CAS No. 5331-43-1) (provided for in subheading 2928.00.25)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74218. BENZENE-1,3-DICARBOHYDRAZIDE.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.21.03	Benzene-1,3-dicarbohydrazide (CAS No. 2760-98-7) (provided for in subheading 2928.00.25)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74219. INPUT FOR RESINS, COATINGS, AND OTHER**
 2 **PRODUCTS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.21.04	1,3-Bis(isocyanatomethyl) cyclohexane (CAS No. 38661- 72-2) (provided for in sub- heading 2929.10.55)	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 74220. ALDICARB.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.21.05	[(E)-(2-Methyl-2- methylsulfonylpropyliden- e)amino] N-methylcarbamate (Aldicarb) (CAS No. 116-06- 3) (provided for in subheading 2930.80.00)	2.9%	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 74221. FLUBENDIAMIDE.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.21.06	1-N-[4-(1,1,1,2,3,3,3- Heptafluoropropan-2-yl)-2- methylphenyl]-3-iodo-2-N-(2- methyl-1- methylsulfonylpropan-2- yl)benzene-1,2-dicarboxamide (Flubendiamide) (CAS No. 272451-65-7) (provided for in subheading 2930.90.10)	Free	No change	No change	On or before 12/31/2023 ... ”.
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11 **SEC. 74222. BENZOBICYCLON.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.21.07	3-[2-Chloro-4-(methylsulfonyl)benzoyl]-4-(phenylsulfonyl)bicyclo[3.2.1]oct-3-en-2-one (Benzobicyclon) (CAS No. 156963-66-5) (provided for in subheading 2930.90.10)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74223. DIPHENYLSULFONE (DPS).**

2 *Subchapter II of chapter 99 is amended by inserting*

3 *in numerical sequence the following new heading:*

“	9902.21.08	Benzenesulfonylbenzene (CAS No. 127-63-9) (provided for in subheading 2930.90.29)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74224. PHENOLIC ANTIOXIDANT.**

5 *Subchapter II of chapter 99 is amended by inserting*

6 *in numerical sequence the following new heading:*

“	9902.21.09	2,4-bis(Dodecylsulfonylmethyl)-6-methylphenol (CAS No. 110675-26-8) (provided for in subheading 2930.90.29)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74225. PHENOLIC ANTIOXIDANT AND HEAT STA-**
8 **BILIZER.**

9 *Subchapter II of chapter 99 is amended by inserting*

10 *in numerical sequence the following new heading:*

“	9902.21.10	2-[2-[3-(3,5-ditert-Butyl-4-hydroxyphenyl)propanoyloxy]ethylsulfonyl]ethyl 3-(3,5-ditert-butyl-4-hydroxyphenyl)propanoate (CAS No. 41484-35-9) (provided for in subheading 2930.90.29)	Free	No change	No change	On or before 12/31/2023 ...”.
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11 **SEC. 74226. PHENYLCHLOROTHIOFORMATE (PTCFM).**

12 *Subchapter II of chapter 99 is amended by inserting*

13 *in numerical sequence the following new heading:*

“	9902.21.11	<i>o</i> -Phenyl chloromethanethioate (CAS No. 1005-56-7) (provided for in subheading 2930.90.29)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74227. METHYLENE BIS THIOCYANATE.**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.21.12	Thiocyanatomethyl thiocyanate (CAS No. 6317- 18-6) (provided for in sub- heading 2930.90.30)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74228. OXAMYL.**

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.21.13	Methyl (1Z)-2- (dimethylamino)-N- (methylcarbamoyloxy)-2- oxoethanimidothioate (CAS No. 23135-22-0) (provided for in subheading 2930.90.43)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74229. L-CYSTINE.**

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.21.14	(2R)-2-Amino-3-[(2R)-2- amino-2- carboxyethyl-]disulfanyl]propanoic acid (CAS No. 56-89-3) (provided for in subheading 2930.90.49)	Free	No change	No change	On or before 12/31/2023 ... ”.
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10 **SEC. 74230. L-CYSTEINE.**

11 *Subchapter II of chapter 99 is amended by inserting*
12 *in numerical sequence the following new heading:*

“	9902.21.15	(2R)-2-Amino-3-sulfanylpropanoic acid (L-cysteine) (CAS No. 52-90-4) (provided for in subheading 2930.90.49)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74231. N,N'-BIS-L-ALANYL-L-CYSTINE.**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.21.16	2-(2-Aminopropanoylamino)-3-[[2-(2-aminopropanoylamino)-2-carboxylethyl]disulfanyl]propanoic acid (N,N'-bis-L-alanyl-L-cystine) (CAS No. 115888-13-6) (provided for in subheading 2930.90.49)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74232. LUBRICANT ADDITIVE.**

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.21.17	3-[bis(2-Methylpropoxy)phosphinothioylsulfanyl]-2-methylpropanoic acid (CAS No. 268567-32-4) (provided for in subheading 2930.90.49)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74233. SODIUM BENZENESULFINATE.**

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.21.18	Sodium benzenesulfinate (CAS No. 873-55-2) (provided for in subheading 2930.90.91)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74234. THIO-ETHER BASED CO-STABILIZER FOR PLAS-**
11 **TICS.**

12 *Subchapter II of chapter 99 is amended by inserting*
13 *in numerical sequence the following new heading:*

“	9902.21.19	1- (Octadecyl)disulfany- l)octadecane (CAS No. 2500- 88-1) (provided for in sub- heading 2930.90.91)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74235. L-CYSTEINE HYDRATE HYDROCHLORIDE.**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.21.20	(2R)-2-Amino-3- sulfonylpropanoic acid;hydrate;hydrochloride (CAS No. 7048-04-6) (pro- vided for in subheading 2930.90.91)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74236. DIMERCAPROL.**

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.21.21	2,3-Bis(sulfonyl)propan-1-ol (CAS No. 59-52-9) (provided for in subheading 2930.90.91)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74237. MONOAMMONIUM SALT OF GLYPHOSATE.**

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.21.22	Azane;2- (phosphonomethylamino)acetic acid (CAS No. 40465-66-5) (provided for in subheading 2931.39.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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10 **SEC. 74238. THPC.**

11 *Subchapter II of chapter 99 is amended by inserting*
12 *in numerical sequence the following new heading:*

“	9902.21.23	Tetrakis(hydroxymethyl) phosphonium chloride (CAS No. 124-64-1) (provided for in subheading 2931.39.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74239. FLAME RETARDANT FOR TEXTILES.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.21.24	<i>Tetrakis(hydroxymethyl) phosphonium sulfate (CAS No. 55566-30-8) (provided for in subheading 2931.39.00)</i>	1.5%	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74240. GLYPHOSATE.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.21.25	<i>N-(Phosphonomethyl)glycine (Glyphosate) (CAS No. 1071-83-6) (provided for in subheading 2931.39.00)</i>	3.5%	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 74241. ETHEPHON.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.21.26	<i>(2-Chloroethyl)phosphonic acid (Ethephon) (CAS No. 16672-87-0) (provided for in subheading 2931.39.00)</i>	2.4%	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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10 **SEC. 74242. BENZENE PHOSPHINIC ACID.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.21.27	<i>Phenylphosphinic acid (CAS No. 1779-48-2) (provided for in subheading 2931.39.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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13 **SEC. 74243. HEDP.**

14 *Subchapter II of chapter 99 is amended by inserting*
 15 *in numerical sequence the following new heading:*

“	9902.21.28	Tetrasodium;1,1-diphosphonatoethanol (CAS No. 3794-83-0), in granule form, with a particle size of 250 µm to 850 µm (provided for in subheading 2931.39.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74244. TRIMETHYLCHLOROSILANE.**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.21.29	Chloro(trimethyl)silane (CAS No. 75-77-4) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74245. CHLORO-(CHLOROMETHYL)-DIMETHYLSILANE.**

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.21.30	Chloro-(chloromethyl)-dimethylsilane (CAS No. 1719-57-9) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74246. SILICONE FOR ELECTRONICS CLEANERS.**

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.21.31	[Dimethyl(trimethylsilyloxy)silyloxy-dimethyl-trimethylsilyloxy]silane (CAS No. 141-62-8) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74247. SILICON CARRIER FLUID FOR ACTIVE LOTIONS,**
11 **CREAMS.**

12 *Subchapter II of chapter 99 is amended by inserting*
13 *in numerical sequence the following new heading:*

“	9902.21.32	<i>Dodecamethylpentasiloxane; bis[[dimethyl(trimethylsilyloxy)silyloxy]-dimethylsilane (CAS No. 141-63-9) (provided for in subheading 2931.90.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74248. VINYLTRIMETHOXYSILANE.**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.21.33	<i>Ethenyl(trimethoxy)silane (CAS No. 2768-02-7) (provided for in subheading 2931.90.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74249. N-OCTYLTRIETHOXYSILANE.**

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.21.34	<i>Triethoxy(octyl)silane (CAS No. 2943-75-1) (provided for in subheading 2931.90.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 74250. DIMETHYLBIS(S-BUTYLAMINO)SILANE.**

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.21.35	<i>N-[(Butan-2-ylamino)-dimethylsilyl]butan-2-amine (CAS No. 93777-98-1) (provided for in subheading 2931.90.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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10 **SEC. 74251. AQUEOUS SOLUTION OF POTASSIUM METHYL**

11 **SILICONATE.**

12 *Subchapter II of chapter 99 is amended by inserting*
13 *in numerical sequence the following new heading:*

“	9902.21.36	Tripotassium; methyl(triorido)silane in aqueous solution (CAS No. 31795-24-1) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74252. OCTYLTRIMETHOXYSILANE.**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.21.37	Trimethoxy(2,4,4-trimethylpentyl)silane (CAS No. 34396-03-7) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74253. OCTLYTRIETHOXYSILANE.**

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.21.38	Triethoxy(2,4,4-trimethylpentyl)silane (CAS No. 35435-21-3) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74254. AMINO-PROPYL-TRIETHOXYSILANE.**

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.21.39	3-Triethoxysilylpropan-1-amine (CAS No. 919-30-2) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74255. METHYLTRIS(SEC-BUTYLAMINO)SILANE.**

11 *Subchapter II of chapter 99 is amended by inserting*
12 *in numerical sequence the following new heading:*

“	9902.21.40	N-[Bis(butan-2-ylamino)-methylsilyl]butan-2-amine (CAS No. 37697-65-7) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC.****74256.**

2

METHYLTRIS(METHYLETHYLKETOXIMINO)

3

SILANE (MOS).

4

Subchapter II of chapter 99 is amended by inserting

5

in numerical sequence the following new heading:

“	9902.21.41	(E)-N-[Bis[(E)-butan-2-ylidencamino]oxy]-methylsilyloxybutan-2-imine (CAS No. 22984-54-9) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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6

SEC. 74257. HEPTAMETHYLTRISILOXANE.

7

Subchapter II of chapter 99 is amended by inserting

8

in numerical sequence the following new heading:

“	9902.21.42	Methyl-bis(trimethylsilyloxy)silicon (CAS No. 1873-88-7) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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9

SEC. 74258. TETRAMETHYLDISILOXANE.

10

Subchapter II of chapter 99 is amended by inserting

11

in numerical sequence the following new heading:

“	9902.21.43	1,1,3,3-Tetramethyldisiloxane (CAS No. 3277-26-7) (provided for in subheading 2931.90.90)	1%	No change	No change	On or before 12/31/2023 ... ”.
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12

SEC. 74259. DIMETHYLCHLOROSILANE.

13

Subchapter II of chapter 99 is amended by inserting

14

in numerical sequence the following new heading:

“	9902.21.44	Chloro(dimethyl)silicon (CAS No. 1066-35-9) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74260. DICHLOROMETHYLSILANE.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.21.45	Dichloromethylsilane (CAS No. 75-54-7) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74261. TRIS(TFP)-METHYLCYCLO-TRISILOXANE DR.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.21.46	2,4,6-Trimethyl-2,4,6-tris(3,3,3-trifluoropropyl)-1,3,5,2,4,6-triozatrissiloxane (CAS No. 2374-14-3) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74262.**

8 **TETRAVINYL TETRAMETHYLCYCLOTETRASIL-**
 9 **OXANE.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.21.47	2,4,6,8-Tetrakis(ethenyl)-2,4,6,8-tetramethyl-1,3,5,7,2,4,6,8-tetraoxatetrasiloxane (CAS No. 2554-06-5) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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12 **SEC. 74263. DIVINYLTETRAMETHYLDISILOXANE.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.21.48	Ethenyl-[ethenyl(dimethyl)silyl]oxydimethylsilane (CAS No. 2627-95-4) (provided for in subheading 2931.90.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74264. INPUT FOR PLANT PROTECTION AGENT.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.21.49	<i>Cyclopropanol, 2-(butyldimethylsilyl)-1-methyl-, 1-metasulfonate (CAS No. 1446996-86-6) (provided for in subheading 2931.90.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74265. STRAWBERRY FURANONE.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.21.50	<i>4-Hydroxy-2,5-dimethylfuran-3-one (CAS No. 3658-77-3) (provided for in subheading 2932.19.51)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 74266. EMAMECTIN BENZOATE.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.21.51	<i>(4''R)-4''-Deoxy-4''-(methylamino)avermectin b1 benzoate (CAS No. 155569-91-8) (provided for in subheading 2932.20.10)</i>	<i>5.3%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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10 **SEC. 74267. GIBBERELLIC ACID.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.21.52	<i>(1R,2R,5S,8S,9S,10R,11S,12S)-5,12-Dihydroxy-11-methyl-6-methylidene-16-oxo-15-oxapentacyclo [9.3.2.15,8.01,10.02,8] heptadec-13-ene-9-carboxylic acid (Gibberellic acid) (CAS No. 77-06-5) (provided for in subheading 2932.20.50)</i>	<i>1.9%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74268. ROSE OXIDE.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.21.53	4-Methyl-2-(2-methylprop-1-enyl)oxane (CAS No. 16409-43-1) (provided for in subheading 2932.99.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74269. VINYLENE CARBONATE.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.21.54	1,3-Dioxol-2-one (CAS No. 872-36-6) (provided for in subheading 2932.99.90)	0.5%	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74270. KASUGAMYCIN TECHNICAL.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.21.55	2-Amino-2-[(2R,3S,5S,6R)-5-amino-2-methyl-6-[(2S,3S,5S,6R)-2,3,4,5,6-pentahydroxycyclohexyl]oxyazan-3-yl]iminoacetic acid,hydrochloride (CAS No. 19408-46-9) (provided for in subheading 2932.99.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74271. 2H-CYCLODODECA[B]PYRAN.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.21.56	3,4,5,6,7,8,9,10,11,12,13,14-Dodecahydro-2H-cyclododeca[b]pyran (CAS No. 32539-83-6) (provided for in subheading 2932.99.90)	1%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74272. BIXAFEN.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.21.57	N-[2-(3,4-Dichlorophenyl)-4-fluorophenyl]-3-(difluoromethyl)-1-methylpyrazole-4-carboxamide (CAS No. 581809-46-3) (provided for in subheading 2933.19.23)	2.6%	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74273. FLUXAPYROXAD.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.21.58	3-(Difluoromethyl)-1-methyl-N-(3',4',5'-trifluorobiphenyl-2-yl)pyrazole-4-carboxamide (Fluxapyroxad) (CAS No. 907204-31-3) (provided for in subheading 2933.19.23)	5.7%	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74274. 3,5 DIMETHYLPYRAZOLE.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.21.59	3,5-Dimethyl-1H-pyrazole (CAS No. 67-51-6) (provided for in subheading 2933.19.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74275. PYRACLONIL.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.21.60	1-(3-Chloro-4,5,6,7-tetrahydropyrazolo[1,5-a]pyridin-2-yl)-5-[methyl(prop-2-ynyl)amino]pyrazole-4-carbonitrile (Pyraclonil) (CAS No. 158353-15-2) (provided for in subheading 2933.19.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74276. IMIDAZOLIDINYL UREA.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.21.61	1-[3-(Hydroxymethyl)-2,5-dioximidazolidin-4-yl]-3-[[[3-(hydroxymethyl)-2,5-dioximidazolidin-4-yl] carbamoylamino]methyl]urea (CAS No. 39236-46-9) (provided for in subheading 2933.21.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74277. ALLANTOIN.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.21.62	(2,5-Dioximidazolidin-4-yl)urea (CAS No. 97-59-6) (provided for in subheading 2933.21.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74278. EMULSIFIABLE CONCENTRATE OF IMAZALIL**
 8 **FUNGICIDE.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.21.63	Mixtures of (1-[2-(allyloxy)-2-(2,4-dichlorophenyl)ethyl]-1H-imidazole) (Imazalil) (CAS No. 35554-44-0) and application adjuvants (provided for in subheading 2933.29.35)	Free	No change	No change	On or before 12/31/2023 ... ”.
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11 **SEC. 74279. TECHNICAL CYAZOFAMID FUNGICIDE.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.21.64	4-Chloro-2-cyano-N,N-dimethyl-5-(4-methylphenyl)imidazole-1-sulfonamide (Cyazofamid) (CAS No. 120116-88-3) (provided for in subheading 2933.29.35)	3.1%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74280. IMAZALIL SULFATE.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.21.65	1-[2-(2,4-Dichlorophenyl)-2-(prop-2-en-1-yloxy)ethyl]-1H-imidazole sulfate (Imazalil sulfate) (CAS No. 58594-72-2) (provided for in subheading 2933.29.35)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74281. 1,2-DIMETHYLIMIDAZOLE.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.21.66	1,2-Dimethylimidazole (CAS No. 1739-84-0) (provided for in subheading 2933.29.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74282. 2-METHYLIMIDAZOLE FLAKES.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.21.67	2-Methyl-1H-imidazole (CAS No. 693-98-1) (provided for in subheading 2933.29.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74283. DIAZOLIDINYL UREA.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.21.68	1-[1,3-Bis(hydroxymethyl)-2,5-dioxoimidazolidin-4-yl]-1,3-bis(hydroxymethyl)urea (CAS No. 78491-02-8) (provided for in subheading 2933.29.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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13 **SEC. 74284. 1-(2-AMINOETHYL)IMIDAZOLIDIN-2-ONE (AEEU).**

14 *Subchapter II of chapter 99 is amended by inserting*
 15 *in numerical sequence the following new heading:*

“	9902.21.69	1-(2-Aminoethyl)imidazolidin-2-one (CAS No. 6281-42-1) (provided for in subheading 2933.29.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74285. ZINC PYRITHIONE.**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.21.70	Zinc;1-oxidopyridin-1-ium-2-thiolate (CAS No. 13463-41-7) (provided for in subheading 2933.39.21)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74286. TECHNICAL PYRIOFENONE FUNGICIDE.**

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.21.71	(5-Chloro-2-methoxy-4-methyl-3-pyridyl)(4,5,6-trimethoxy- <i>o</i> -tolyl)methanone (Pyriofenone) (CAS No. 688046-61-9) (provided for in subheading 2933.39.21)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74287. PICOXYSTROBIN.**

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.21.72	Methyl (E)-3-methoxy-2-[2-[[6-(trifluoromethyl)pyridin-2-yl]oxymethyl]phenyl]prop-2-enoate (Picoxystrobin) (CAS No. 117428-22-5) (provided for in subheading 2933.39.21)	5.2%	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74288. TRICLOPYR BEE.**

11 *Subchapter II of chapter 99 is amended by inserting*
12 *in numerical sequence the following new heading:*

“	9902.21.73	2-Butoxyethyl 2-(3,5,6-trichloropyridin-2-yl)oxyacetate (CAS No. 64700-56-7) (provided for in subheading 2933.39.25)	1.6%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74289. IMAZAPYR.**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.21.74	2-(4-Methyl-5-oxo-4-propan-2-yl-1H-imidazol-2-yl)pyridine-3-carboxylic acid (Imazapyr) (CAS No. 81334-34-1) (provided for in subheading 2933.39.25)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74290. TETRANILIPROLE.**

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.21.75	2-(3-Chloropyridin-2-yl)-N-[4-cyano-2-methyl-6-(methylcarbamoyl)phenyl]-5-[[5-(trifluoromethyl)tetrazol-2-yl)methyl]pyrazole-3-carboxamide (CAS No. 1229654-66-3) (provided for in subheading 2933.39.27)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74291. CYANTRANILIPROLE.**

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.21.76	5-Bromo-2-(3-chloropyridin-2-yl)-N-[4-cyano-2-methyl-6-(methylcarbamoyl)phenyl]pyrazole-3-carboxamide (Cyantraniliprole) (CAS No. 736994-63-1) (provided for in subheading 2933.39.27)	3.1%	No change	No change	On or before 12/31/2023 ... ”.
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10 **SEC. 74292. CHLORANTRANILIPROLE.**

11 *Subchapter II of chapter 99 is amended by inserting*
12 *in numerical sequence the following new heading:*

“	9902.21.77	5-Bromo-N-[4-chloro-2-methyl-6-(methylcarbamoyl)phenyl]-2-(3-chloropyridin-2-yl)pyrazole-3-carboxamide (Chlorantraniliprole) (CAS No. 500008-45-7) (provided for in subheading 2933.39.27)	4.8%	No change	No change	On or before 12/31/2023 ...”.
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1 SEC. 74293. CHLORPYRIFOS.

2 *Subchapter II of chapter 99 is amended by inserting*

3 *in numerical sequence the following new heading:*

“	9902.21.78	O,O-Diethyl O-3,5,6-trichloropyridin-2-yl phosphorothioate (Chlorpyrifos) (CAS No. 2921-88-2) (provided for in subheading 2933.39.27)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 SEC. 74294. TECHNICAL CYCLANILIPROLE INSECTICIDE.

5 *Subchapter II of chapter 99 is amended by inserting*

6 *in numerical sequence the following new heading:*

“	9902.21.79	3-Bromo-N-[2-bromo-4-chloro-6-[(1-cyclopropylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (Cyclaniliprole) (CAS No. 1031756-98-5) (provided for in subheading 2933.39.27)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 SEC. 74295. REGORAFENIB.

8 *Subchapter II of chapter 99 is amended by inserting*

9 *in numerical sequence the following new heading:*

“	9902.21.80	4-[4-[[4-Chloro-3-(trifluoromethyl)phenyl]carbamoylamino]-3-fluorophenoxy]-N-methylpyridine-2-carboxamide monohydrate (Regorafenib) (CAS No. 1019206-88-2) (provided for in subheading 2933.39.41)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74296. N-BUTYL-TAD.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.21.81	<i>N</i> -Butyl-2,2,6,6-tetramethylpiperidin-4-amine (CAS No. 36177-92-1) (provided for in subheading 2933.39.61)	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74297. HINDERED AMINE LIGHT STABILIZER AND PHE-**
 5 **NOLIC ANTIOXIDANT.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.21.82	<i>Bis</i> (1,2,2,6,6-pentamethylpiperidin-4-yl) 2-butyl-2-[(3,5-ditert-butyl-4-hydroxyphenyl)methyl]propanedioate (CAS No. 63843-89-0) (provided for in subheading 2933.39.61)	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 74298. 4-HYDROXY-TEMPO.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.21.83	<i>4</i> -Hydroxy-2,2,6,6-tetramethylpiperidinoxyl (CAS No. 2226-96-2) (provided for in subheading 2933.39.61)	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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11 **SEC. 74299. 2,2,6,6-TETRAMETHYLPIPERIDIN-4-OL (TMP).**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.21.84	<i>2,2,6,6</i> -Tetramethylpiperidin-4-ol (CAS No. 2403-88-5) (provided for in subheading 2933.39.61)	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74300. 5-BROMO-2-(3-CHLOROPYRIDIN-2-YL)PYRAZOLE-**
 2 **3-CARBOXYLIC ACID.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.21.85	5-Bromo-2-(3-chloropyridin-2-yl)pyrazole-3-carboxylic acid (CAS No. 500011-86-9) (provided for in subheading 2933.39.61)	6.4%	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74301. 2-CHLORO-5-(TRIFLUOROMETHYL)PYRIDINE.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.21.86	2-Chloro-5-(trifluoromethyl)pyridine (CAS No. 52334-81-3) (provided for in subheading 2933.39.61)	Free	No change	No change	On or before 12/31/2023 ...”.
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8 **SEC. 74302. PICARBUTROX.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.21.87	Tert-butyl N-[6-[(Z)-[(1-methyltetrazol-5-yl)-phenylmethylidene]amino]oxymethyl]pyridin-2-yl]carbamate (CAS No. 500207-04-5) (provided for in subheading 2933.39.61)	Free	No change	No change	On or before 12/31/2023 ...”.
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11 **SEC. 74303. 5-AMINO-3-(TRIFLUOROMETHYL)**
 12 **PICOLINONITRILE (T3630).**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.21.88	5-Amino-3-(trifluoromethyl)pyridine-2-carbonitrile (T3630) (CAS No. 573762-62-6) (provided for in subheading 2933.39.61)	3.5%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74304. DEXTROMETHORPHAN HYDROBROMIDE.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.21.89	<i>Dextromethorphan hydrobromide (monohydrate (CAS No. 6700-34-1) or anhydrous (CAS No. 125-69-9)) (provided for in subheading 2933.49.26)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74305. IPFLUFENOQUIN.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.21.90	<i>2-[2-(7,8-Difluoro-2-methylquinolin-3-yl)oxy-6-fluorophenyl]propan-2-ol (CAS No. 1314008-27-9) (provided for in subheading 2933.49.30)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 74306. THQ.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.21.91	<i>1,2,3,4-Tetrahydroquinoline (CAS No. 635-46-1) (provided for in subheading 2933.49.70)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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10 **SEC. 74307. PYRITHIOBAC SODIUM.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.21.92	<i>Sodium 2-chloro-6-(4,6-dimethoxy-2-pyrimidin-2-yl)sulfanylbenzoate (CAS No. 123343-16-8) (provided for in subheading 2933.59.10)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74308. LAROTRECTINIB SULFATE.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.21.93	(3S)-N-[5-[(2R)-2-(2,5-Difluorophenyl)pyrrolidin-1-yl]pyrazolo[1,5-a]pyrimidin-3-yl]-3-hydroxypyrridine-1-carboxamide sulfuric acid (Larotrectinib sulfate) (CAS No. 1223405-08-0) (provided for in subheading 2933.59.53)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74309. IBRUTINIB.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.21.94	1-[(3R)-3-[4-Amino-3-(4-phenoxyphenyl)pyrazolo[3,4-d]pyrimidin-1-yl]piperidin-1-yl]prop-2-en-1-one (Ibrutinib) (CAS No. 936563-96-1) (provided for in subheading 2933.59.53)	5.1%	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74310. ORTHOSULFAMURON.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.21.95	1-(4,6-Dimethoxypyrimidin-2-yl)-3-[2-(dimethylcarbamoyl)phenylsulfamoyl]urea (Orthosulfamuron) (CAS No. 213464-77-8) (provided for in subheading 2933.59.95)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74311. 5-BROMOPYRIMIDINE.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.21.96	5-Bromopyrimidine (CAS No. 4595-59-9) (provided for in subheading 2933.59.95)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74312. BUTYLTHION.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.21.97	4-Amino-6-tert-butyl-3-sulfanylidene-2H-1,2,4-triazin-5-one (Butylthion) (CAS No. 33509-43-2) (provided for in subheading 2933.69.60)	1%	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74313. P-1062.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.21.98	4-[4,6-Bis(2,4-dimethylphenyl)-1,3,5-triazin-2-yl]benzene-1,3-diol (P-1062) (CAS No. 1668-53-7) (provided for in subheading 2933.69.60)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74314. CARFENTRAZONE TECHNICAL.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.21.99	Ethyl 2-chloro-3-[2-chloro-5-[4-(difluoromethyl)-3-methyl-5-oxo-1,2,4-triazol-1-yl]-4-fluorophenyl]propanoate (Carfentrazone-ethyl) (CAS No. 128639-02-1) (provided for in subheading 2933.99.22)	3.3%	No change	No change	On or before 12/31/2023 ... ”.
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10 **SEC. 74315. UV ABSORBER 928.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.22.01	2-(Benzotriazol-2-yl)-6-(2-phenylpropan-2-yl)-4-(2,4,4-trimethylpentan-2-yl)phenol (CAS No. 73936-91-1) (provided for in subheading 2933.99.79)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74316. UV ABSORBER FOR INDUSTRIAL COATINGS.**2 *Subchapter II of chapter 99 is amended by inserting*3 *in numerical sequence the following new heading:*

“	9902.22.02	Methyl 3-[3-(benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl]propanoate (CAS No. 84268-33-7) (provided for in subheading 2933.99.79)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74317. UNICONAZOLE-P.**5 *Subchapter II of chapter 99 is amended by inserting*6 *in numerical sequence the following new heading:*

“	9902.22.03	(4Z)-5-(4-Chlorophenyl)-2,2-dimethyl-4-(1H-1,2,4-triazol-1-yl)-4-hexen-3-ol (Uniconazole-P) (CAS No. 83657-17-4) (provided for in subheading 2933.99.79)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74318. VCMAAE.**8 *Subchapter II of chapter 99 is amended by inserting*9 *in numerical sequence the following new heading:*

“	9902.22.04	[4-[[[(2S)-5-(Carbamoylamino)-2-[[[(2S)-2-[6-(2,5-dioxopyrrol-1-yl)hexanoylamino]-3-methylbutanoyl]amino]pentanoyl]amino]phenyl]methyl N-[(2S)-1-[[[(2S)-1-[[[(3R,4S,5S)-1-[(2S)-2-[(1R,2R)-3-[[[(1S,2R)-1-hydroxy-1-phenylpropan-2-yl]amino]-1-methoxy-2-methyl-3-oxopropyl]pyrrolidin-1-yl]-3-methoxy-5-methyl-1-oxoheptan-4-yl]-methylamino]-3-methyl-1-oxobutan-2-yl]amino]-3-methyl-1-oxobutan-2-yl]-N-methylcarbamate (CAS No. 646502-53-6) (provided for in subheading 2933.99.79)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74319. UVA 360.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.22.05	2-(Benzotriazol-2-yl)-6-[[3-(benzotriazol-2-yl)-2-hydroxy-5-(2,4,4-trimethylpentan-2-yl)phenyl)methyl]-4-(2,4,4-trimethylpentan-2-yl)phenol (CAS No. 103597-45-1) (provided for in subheading 2933.99.79)	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74320. TROFINETIDE.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.22.06	(2S)-2-[(2S)-1-(2-Aminoacetyl)-2-methylpyrrolidine-2-carbonyl]amino]pentanedioic acid (Trofinetide) (CAS No. 853400-76-7) (provided for in subheading 2933.99.90)	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 74321. FLURAZOLE.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.22.07	Benzyl 2-chloro-4-(trifluoromethyl)-1,3-thiazole-5-carboxylate (CAS No. 72850-64-7) (provided for in subheading 2934.10.10)	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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10 **SEC. 74322. OXATHIPIPROLIN.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.22.08	1-(4-{4-[5-(2,6-Difluorophenyl)-4,5-dihydro-1,2-oxazol-3-yl]-1,3-thiazol-2-yl}-1-piperidinyl)-2-[5-methyl-3-(trifluoromethyl)-1H-pyrazol-1-yl]ethanone (Oxathiapiprolin) (CAS No. 1003318-67-9) (provided for in subheading 2934.10.10)	5.5%	No change	No change	On or before 12/31/2023 ...”.
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1 SEC. 74323. CERTAIN ANTIMICROBIAL.

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.22.09	2-Methyl-1,2-thiazol-3-one (CAS No. 2682-20-4) (provided for in subheading 2934.10.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 SEC. 74324. RUBBER ACCELERATOR.

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.22.10	2-(1,3-Benzothiazol-2-yl)disulfanyl)-1,3-benzothiazole (CAS No. 120-78-5) (provided for in subheading 2934.20.10)	2.5%	No change	No change	On or before 12/31/2023 ...”.
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7 SEC. 74325. 2-AMINO BENZOTHAZOLE.

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.22.11	1,3-Benzothiazol-2-amine (CAS No. 136-95-8) (provided for in subheading 2934.20.80)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 SEC. 74326. TECHNICAL ISOFETAMID FUNGICIDE.

11 *Subchapter II of chapter 99 is amended by inserting*
12 *in numerical sequence the following new heading:*

“	9902.22.12	3-Methyl-N-[2-methyl-1-(2-methyl-4-propan-2-ylloxyphenyl)-1-oxopropan-2-yl]thiophene-2-carboxamide (Isofetamid) (CAS No. 875915-78-9) (provided for in subheading 2934.99.12)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74327. CLOMAZONE TECHNICAL.**

2 *Subchapter II of chapter 99 is amended by inserting*

3 *in numerical sequence the following new heading:*

“	9902.22.13	2-[(2-Chlorophenyl)methyl]-4,4-dimethyl-1,2-oxazolidin-3-one (Clomazone) (CAS No. 81777-89-1) (provided for in subheading 2934.99.15)	5.5%	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74328. NEM SALT.**

5 *Subchapter II of chapter 99 is amended by inserting*

6 *in numerical sequence the following new heading:*

“	9902.22.14	4-(4-Methylphenyl)-4-oxobutanoic acid-4-ethylmorpholine (2:1) (CAS No. 171054-89-0) (provided for in subheading 2934.99.39)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74329. AMTC WET CAKE.**

8 *Subchapter II of chapter 99 is amended by inserting*

9 *in numerical sequence the following new heading:*

“	9902.22.15	5-Amino-3-methylthiophene-2,4-dicarbonitrile (CAS No. 52603-48-2) (provided for in subheading 2934.99.39)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74330. PHOTOINITIATOR 369.**

11 *Subchapter II of chapter 99 is amended by inserting*

12 *in numerical sequence the following new heading:*

“	9902.22.16	2-Benzyl-2-(dimethylamino)-1-(4-morpholin-4-ylphenyl)butan-1-one (CAS No. 119313-12-1) (provided for in subheading 2934.99.39)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74331. ISATOIC ANHYDRIDE.**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.22.17	2H-3,1-Benzoxazine-2,4(1H)-dione (Isatoic anhydride) (CAS No. 118-48-9) (provided for in subheading 2934.99.44)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74332. OCLACITINIB MALEATE.**

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.22.18	(Z)-But-2-enedioic acid; N-methyl-1-[4-[methyl(7H-pyrrolo[2,3-d]pyrimidin-4-yl)amino]cyclohexyl]methanesulfonamide (CAS No. 1208319-27-0) (provided for in subheading 2935.90.60)	5.2%	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74333. THIENCARBAZONE-METHYL.**

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.22.19	Methyl 4-[(3-methoxy-4-methyl-5-oxo-1,2,4-triazole-1-carbonyl)sulfamoyl]-5-methylthiophene-3-carboxylate (Thiencarbazone-methyl) (CAS No. 317815-83-1) (provided for in subheading 2935.90.75)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74334. PENOXUSLAM TECHNICAL HERBICIDE.**

11 *Subchapter II of chapter 99 is amended by inserting*
12 *in numerical sequence the following new heading:*

“	9902.22.20	2-(2,2-Difluoroethoxy)-N-(5,8-dimethoxy-[1,2,4]triazolo[1,5-c]pyrimidin-2-yl)-6-(trifluoromethyl)benzenesulfonamide (Penoxsulam) (CAS No. 219714-96-2) (provided for in subheading 2935.90.75)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 SEC. 74335. ETHYL 2-SULFAMOYL BENZOATE.

2 *Subchapter II of chapter 99 is amended by inserting*

3 *in numerical sequence the following new heading:*

“	9902.22.21	Ethyl 2-(Aminosulfonyl)benzoate (CAS No. 59777-72-9) (provided for in subheading 2935.90.75)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 SEC. 74336. SULFOSULFURON.

5 *Subchapter II of chapter 99 is amended by inserting*

6 *in numerical sequence the following new heading:*

“	9902.22.22	1-(4,6-Dimethoxypyrimidin-2-yl)-3-(2-ethylsulfonylimidazo[1,2-a]pyridin-3-yl)sulfonylurea (Sulfosulfuron) (CAS No. 141776-32-1) (provided for in subheading 2935.90.75)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 SEC. 74337. PYRIMISULFAN.

8 *Subchapter II of chapter 99 is amended by inserting*

9 *in numerical sequence the following new heading:*

“	9902.22.23	(RS)-2'-[(4,6-dimethoxypyrimidin-2-yl)(hydroxymethyl)-1,1-difluoro-6'-(methoxymethyl)methanesulfonamide (Pyrimisulfan) (CAS No. 221205-90-9) (provided for in subheading 2935.90.95)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74338. PURIFIED STEVIOL GLYCOSIDE, REBAUDIOSIDE**2 **A.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.22.24	Purified steviol glycosides, containing not less than 95 percent by weight rebaudioside A (19-O-β-glucopyranosyl-13-O-(β-glucopyranosyl(1-2)-β-glucopyranosyl(1-3))-β-glucopyranosyl-13-hydroxykaur-16-en-19-oic acid) (CAS No. 58543-16-1) (provided for in subheading 2938.90.00)	2.5%	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 74339. GLUCOSYLATED STEVIOL GLYCOSIDES.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.22.25	13-[(2-O-β-D-Glucopyranosyl-α-D-glucopyranosyl)oxy]kaur-16-en-18-oic acid β-D-glucopyranosyl ester (Stevioside) (CAS No. 57817-89-7) (provided for in subheading 2938.90.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 74340. HYDROXYPROPYL GAMMA CYCLODEXTRIN.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.22.26	(2-Hydroxypropyl)-γ-cyclodextrin (hydroxypropylated γ-cyclodextrin) (CAS No. 128446-34-4) (provided for in subheading 2940.00.60)	Free	No change	No change	On or before 12/31/2023 ... ”.
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11 **SEC. 74341. HYDROXYPROPYLATED BETA CYCLODEXTRIN.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.22.27	2-Hydroxypropyl- β -cyclodextrin (CAS No. 128446-35-5) (provided for in subheading 2940.00.60)	1%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74342. METHYL BETA CYCLODEXTRIN.**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.22.28	Methyl β -cyclodextrin (CAS No. 128446-36-6) (provided for in subheading 2940.00.60)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74343. 2'-FUCOSYLLACTOSE.**

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.22.29	(2R,3R,4R,5R)-4-[(2S,3R,4S,5R,6R)-4,5-Dihydroxy-6-(hydroxymethyl)-3-[(2S,3S,4R,5S,6S)-3,4,5-trihydroxy-6-methylloxan-2-yl]oxyoxan-2-yl]oxy-2,3,5,6-tetrahydroxyhexanal (2'-Fucosyllactose) (CAS No. 41263-94-9) (provided for in subheading 2940.00.60)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74344. ASCORBYL GLUCOSIDE.**

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.22.30	(2R)-2-[(1S)-1,2-Dihydroxyethyl]-3-hydroxy-4-[(2R,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-2H-furan-5-one (Ascorbyl glucoside) (CAS No. 129499-78-1) (provided for in subheading 2940.00.60)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74345. DIMETHYLAMINE BORANE (DMAB).**

11 *Subchapter II of chapter 99 is amended by inserting*
12 *in numerical sequence the following new heading:*

“	9902.22.31	<i>N</i> -Methylmethanamine-borane (1:1) (CAS No. 74-94-2) (provided for in subheading 2942.00.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 SEC. 74346. ELDERBERRY EXTRACT CONCENTRATE.

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.22.32	Elderberry extract concentrate (CAS No. 84603-58-7) (provided for in subheading 3203.00.80)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 SEC. 74347. DISPERSE YELLOW 241.

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.22.33	Disperse Yellow 241 (5-[(3,4-Dichlorophenyl)diazonyl]-2-hydroxy-1,4-dimethyl-6-oxopyridine-3-carbonitrile) (CAS No. 83249-52-9) (provided for in subheading 3204.11.35)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 SEC. 74348. DISPERSE ORANGE.

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.22.34	Disperse Orange (Acetic acid, cyano-[3-[(6-methoxy-2-benzothiazoyl)amino]-1 <i>H</i> -isoindol-1-ylidene]-, pentyl ester) (CAS No. 173285-74-0) (provided for in subheading 3204.11.35)	Free	No change	No change	On or before 12/31/2023 ... ”.
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10 SEC. 74349. MIXTURES OF DISPERSE YELLOW FD11843 AND
11 ACETIC ACID.

12 *Subchapter II of chapter 99 is amended by inserting*
13 *in numerical sequence the following new heading:*

“	9902.22.35	<i>Mixtures of Disperse Yellow FD11843 (acetic acid, 2-[3-(2-benzothiazolylamino)-1H-isoindol-1-ylidene]-2-cyano-, butyl ester (CAS No. 173285-73-9)) and acetic acid, [3-(2-benzothiazolylamino)-1H-isoindol-1-ylidene]cyano-, 2-butoxyethyl ester (CAS No. 173285-94-4) (provided for in subheading 3204.11.35)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 74350. DISPERSE BLUE 54.

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.22.36	<i>Disperse Blue 54 (1-Anilino-4,8-dihydroxy-5-nitroanthracene-9,10-dione) (CAS No. 37203-97-7) (provided for in subheading 3204.11.35)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 SEC. 74351. MIXTURES OF SEVERAL DISPERSE DYES.

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

9902.22.37	<p>Mixtures of 9,10-anthracenedione, 1,5(or 1,8)-dihydroxy-4-nitro-8(or 5)-(phenylamino)- (Disperse Blue 54 and 77) (CAS No. 37203-97-7); 1,5(or 1,8)-diamino-2-bromo-4,8(or 4,5)-dihydroxy-9,10-anthracenedione (Disperse Blue 81 (mixture of isomers)) (CAS No. 68134-65-6); reaction products of 3-pyridinecarbonitrile, 5-[2-(2-cyano-4-nitrophenyl)diazenyl]-2-[2-(2-hydroxyethoxy)ethyl]amino]-4-methyl-6-(phenylamino)- (Disperse Red 1042A) (CAS No. 149988-44-3) and 3-pyridinecarbonitrile, 5-[2-(2-cyano-4-nitrophenyl)diazenyl]-6-[2-(2-hydroxyethoxy)ethyl]amino]-4-methyl-2-(phenylamino)- (Disperse Red T-1042) (CAS No. 137428-29-6); 4-[(5-cyano-6-hydroxy-1,4-dimethyl-2-oxopyridin-3-yl)diazenyl]-N-(2-ethylhexyl)benzamide (Disperse Yellow 198) (CAS No. 30449-81-1); 4,11-diamino-2-(3-methoxypropyl)naphtho[2,3-f]isoindole-1,3,5,10-tetrone (Disperse Blue 60 (M)) (CAS No. 12217-80-0); and 4,11-diamino-2-[3-(2-methoxyethoxy)propyl]naphtho[2,3-f]isoindole-1,3,5,10-tetrone (Disperse Blue 60 (ME)) (CAS No. 65059-45-2) (provided for in subheading 3204.11.35)</p>	Free	No change	No change	On or before 12/31/2023 ...
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1 SEC. 74352. MIXTURES OF 4 DISPERSER BLUE DYES.

2 *Subchapter II of chapter 99 is amended by inserting*

3 *in numerical sequence the following new heading:*

“	9902.22.38	Disperse dye mixtures of Disperse Blue 77 (1-anilino-4,5-dihydroxy-8-nitroanthracene-9,10-dione) (CAS No. 20241-76-3); Disperse Blue 60 (M) (4,11-diamino-2-(3-methoxypropyl)naphtho[2,3-f]isoindole-1,3,5,10-tetrone) (CAS No. 12217-80-0); Disperse Blue 60 (ME) (4,11-diamino-2-[3-(2-methoxyethoxy)propyl]-1H-naphth[2,3-f]isoindole-1,3,5,10(2H)-tetrone) (CAS No. 65059-45-2) and Disperse Blue 77/54 (1,8- and 1,5-Isomers) (1-anilino-4,8-dihydroxy-5-nitroanthracene-9,10-dione) (CAS No. 37203-97-7) (provided for in subheading 3204.11.35)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74353. MIXTURES OF 4 DYES.**

- 2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.22.39	Disperse dye mixtures of Solvent Yellow 163 (1,8-bis(phenylsulfanyl)anthracene-9,10-dione) (CAS No. 13676-91-0); Disperse Yellow FD11843 (acetic acid, 2-[3-(2-benzothiazolylamino)-1H-isoindol-1-ylidene]-2-cyano-, butyl ester) (CAS No. 173285-73-9); acetic acid, [3-(2-benzothiazolylamino)-1H-isoindol-1-ylidene]cyano-, 2-butaryethyl ester (CAS No. 173285-94-4); Disperse Orange FC 84508 (acetic acid, 2-cyano-2-[3-[(6-methoxy-2-benzothiazolyl)amino]-1H-isoindol-1-ylidene]-, pentyl ester) (CAS No. 173285-74-0) and Disperse Yellow 163 (3-[N-(2-cyanoethyl)-4-[(2,6-dichloro-4-nitrophenyl)diazenyl]anilino]propanenitrile) (CAS No. 67923-43-7) (provided for in subheading 3204.11.35)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74354. DISPERSERED 86.**

- 5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.22.40	<i>Disperse Red 86 (N-(4-Amino-3-methoxy-9,10-dioxoanthracen-1-yl)-4-methylbenzenesulfonamide) (CAS No. 81-68-5) (provided for in subheading 3204.11.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74355. DISPERSE VIOLET 1.**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.22.41	<i>Disperse Violet 1 (1,4-Diaminoanthracene-9,10-dione) (CAS No. 128-95-0) (provided for in subheading 3204.11.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74356. DISPERSE BLUE 60.**

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.22.42	<i>Disperse Blue 60 (4,11-Diamino-2-(3-methoxypropyl)-naphtho[2,3-f]isoindole-1,3,5,10-tetraone) (CAS No. 12217-80-0) (provided for in subheading 3204.11.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 74357. MIXTURES OF DISPERSE ORANGE 29, DISPERSE**
8 **RED 167:1, AND DISPERSE BLUE 56.**

9 *Subchapter II of chapter 99 is amended by inserting*
10 *in numerical sequence the following new heading:*

“	9902.22.43	Disperse dye mixtures of Disperse Orange 29 (4-[[2-methoxy-4-(4-nitrophenyl)diazanyl]phenyl]diazanyl]phenol) (CAS No. 19800-42-1); Disperse Red 167:1 (2-[3-acetamido-N-(2-acetyloxyethyl)-4-[(2-chloro-4-nitrophenyl)diazanyl]anilino]ethyl acetate) (CAS No. 1533-78-4); Disperse Blue 56 (1,8-diamino-2-bromo-4,5-dihydroxyanthracene-9,10-dione) (CAS No. 68134-65-6) and acetic acid, 2-[3-(2-benzothiazolylamino)-1H-isoindol-1-ylidene]-2-cyano-, 2-butoxyethyl ester (CAS No. 173285-94-4) (provided for in subheading 3204.11.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 SEC. 74358. DISPERSE YELLOW 54.

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.22.44	Disperse Yellow 54 (3-Hydroxy-2-(3-hydroxyquinolin-2-yl)inden-1-one) (CAS No. 17772-51-9) (provided for in subheading 3204.11.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 SEC. 74359. ACID VIOLET 48.

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.22.45	Acid Violet 48 (Disodium 3-[[4-amino-9,10-dioxo-3-[2-sulfonato-4-(2,4,4-trimethylpentan-2-yl)phenoxy]anthracen-1-yl]amino]-2,4,6-trimethylbenzenesulfonate) (CAS No. 12220-51-8) (provided for in subheading 3204.12.17)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 SEC. 74360. ACID BLUE 280.

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.22.46	Acid Blue 280 (Sodium 2-[[4-(cyclohexylamino)-9,10-dioxoanthracen-1-yl]amino]-5-ethoxybenzenesulfonate) (CAS No. 68214-62-0) (provided for in subheading 3204.12.20)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74361. ACID BROWN 282.**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.22.47	Acid Brown 282 (Disodium;chromium(3+);5-methyl-4-[(5-nitro-2-oxidophenyl)diazenyl]-2-phenylpyrazol-3-olate;[7-nitro-3-oxido-4-[(2-oxido-1,4-dihydronaphthalen-1-yl)diazenyl]naphthalen-1-yl]sulfate) (CAS No. 70236-60-1) (provided for in subheading 3204.12.20)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74362. ACID RED 131.**

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.22.48	Acid Red 131 (CAS No. 12234-99-0) (provided for in subheading 3204.12.20)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74363. ACID RED 249.**

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.22.49	Acid Red 249 (Disodium 3-[(5-chloro-2-phenoxyphenyl)diazenyl]-4-hydroxy-5-[(4-methylphenyl)sulfonylamino]naphthalene-2,7-disulfonate) (CAS No. 6416-66-6) (provided for in subheading 3204.12.20)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74364. ACID YELLOW 236.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.22.50	Acid Yellow 236 (CAS No. 77907–21–2) (provided for in subheading 3204.12.45)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74365. ACID RED 407.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.22.51	Acid Red 407 (CAS No. 146103–68–6) (provided for in subheading 3204.12.45)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74366. ACID YELLOW 220.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.22.52	Acid Yellow 220 (tetrasodium;2-[[3-[[[(Z)-1-(2-chloroanilino)-3-oxido-1-oxobut-2-en-2-yl]diazanyl]-4-oxidophenyl]sulfonylamino]benzoate; cobalt(2+)) (CAS No. 70851–34–2) (provided for in subheading 3204.12.45)	Free	No change	No change	On or before 12/31/2023 ... ”.
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10 **SEC. 74367. ACID YELLOW 232.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.22.53	Acid Yellow 232 (Chromium, 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)diazanyl]benzoate 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)diazanyl]-5-sulfobenzoate lithium sodium complexes) (CAS No. 85828–89–3) (provided for in subheading 3204.12.45)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74368. ACID YELLOW 235.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.22.54	Acid Yellow 235 (CAS No. 90585-54-9) (provided for in subheading 3204.12.45)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74369. ACID YELLOW 151.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.22.55	Acid Yellow 151 (Sodium; 2-[[[(Z)-1-anilino-3-oxido-1-oxobut-2-en-2-yl]diazanyl]-4-sulfamoylphenolate; cobalt(3+)) (CAS No. 72496-88-9) (provided for in subheading 3204.12.45)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74370. ACID VIOLET 43.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.22.56	Acid Violet 43 (Sodium 2-[(4-hydroxy-9,10-dioxoanthracen-1-yl)amino]-5-methylbenzenesulfonate) (CAS No. 4430-18-6) (provided for in subheading 3204.12.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74371. ACID RED 33.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.22.57	Acid Red 33 (Disodium; 5-amino-4-hydroxy-3-phenyldiazenylnaphthalene-2,7-disulfonate) (CAS No. 3567-66-6) (provided for in subheading 3204.12.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74372. ACID BLACK 52.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.22.58	Acid Black 52 (Tri-sodium;chromium;3-hydroxy-4-[(2-hydroxynaphthalen-1-yl)diazenyl]-7-nitronaphthalene-1-sulfonate) (CAS No. 5610-64-0) (provided for in subheading 3204.12.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74373. ACID BLACK 2.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.22.59	Acid Black 2 (Disodium 4-amino-5-hydroxy-3-[(E)-(4-nitrophenyl)diazenyl]-6-[(E)-phenyldiazenyl]-2,7-naphthalenedisulfonate) (CAS No. 8005-03-6) (provided for in subheading 3204.12.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74374. ACID GREEN 25.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.22.60	Acid Green 25 (Disodium;5-methyl-2-[[4-(4-methyl-2-sulfonatoanilino)-9,10-dioxoanthracen-1-yl]amino]benzenesulfonate) (CAS No. 4403-90-1) (provided for in subheading 3204.12.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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10 **SEC. 74375. BASIC BROWN 23.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.22.61	Basic Brown 23 (CAS No. 446876-48-8) (provided for in subheading 3204.13.60)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74376. BASIC VIOLET 11:1 RHODAMINE DYE.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.22.62	Basic Violet 11:1 (Bis{6-(diethylamino)-N,N-diethyl-9-[2-(methoxycarbonyl) phenyl]-3H-xanthen-3-iminium} tetrachlorozincate(2-)) (CAS No. 73398-89-7) (CIN 45174) (provided for in subheading 3204.13.60)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74377. BASIC YELLOW 37.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.22.63	Basic Yellow 37 (4-[4-(diethylamino)benzenecarboximidoyl]-N,N-diethylaniline; hydrochloride) (CAS No. 6358-36-7) (provided for in subheading 3204.13.80)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74378. BASIC VIOLET 3.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.22.64	Basic Violet 3 ([4-[bis[4-(dimethylamino)phenyl]methylidene]cyclohexa-2,5-dien-1-ylidene]-dimethylazanium;chloride) (CAS No. 548-62-9) (provided for in subheading 3204.13.80)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74379. DIRECT ORANGE 118.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.22.65	Direct Orange 118 (Tetrasodium 7,7'- (carbonyldiimino)bis{4-hy- droxy-3-[(E)-(2-methyl-4- sulfonatophenyl)diazenyl]-2- naphthalenesulfonate}) (CAS No. 28706-33-4) (provided for in subheading 3204.14.20)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74380. DIRECT BLUE 86.**

2 *Subchapter II of chapter 99 is amended by inserting*

3 *in numerical sequence the following new heading:*

“	9902.22.66	Direct Blue 86 (Copper; diso- dium; 2,11,20,29, 38,40- hexaza-37,39- diazanidanonacyclo [28.6.1.13,10.112,19.121, 28.04,9.013,18.022, 27.031,36] tetraconta- 1(36),2,4(9),5,7,10(40), 11,13,15,17,19,21(38), 22(27),23,25,28,30,32,34- nonadecaene-6,24-disulfonate) (CAS No. 1330-38-7) (pro- vided for in subheading 3204.14.25)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74381. DIRECT BLUE 199.**

5 *Subchapter II of chapter 99 is amended by inserting*

6 *in numerical sequence the following new heading:*

“	9902.22.67	Direct Blue 199 (Copper, [29H,31H-phthalocyaninato(2-)-κN29,κN30,κN31,κN32]-, aminosulfonyl sulfo deriva- tives, sodium salts) (CAS No. 90295-11-7) (provided for in subheading 3204.14.30)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74382. DIRECT BLACK 168.**

8 *Subchapter II of chapter 99 is amended by inserting*

9 *in numerical sequence the following new heading:*

“	9902.22.68	<i>Direct Black 168 (Tri-sodium;2-[4-[(2-amino-4-oxidophenyl)diazenyl]anilino]-5-[(1-amino-8-oxido-7-phenyldiazenyl)-3,6-disulfonaphthalen-2-yl)diazenyl]benzenesulfonate) (CAS No. 85631–88–5) (provided for in subheading 3204.14.30)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 74383. DIRECT RED 227.

- 2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.22.69	<i>Direct Red 227 (Hexasodium;4-hydroxy-5-[[4-[4-[(E)-2-[4-[[4-[(8-hydroxy-7-phenyldiazenyl)-3,6-disulfonatophthalen-1-yl]amino]-6-morpholin-4-yl-1,3,5-triazin-2-yl]amino]-2-sulfonatophenyl]ethenyl]-3-sulfonatoanilino]-6-morpholin-4-yl-1,3,5-triazin-2-yl]amino]-3-phenyldiazenyl)naphthalene-2,7-disulfonate) (CAS No. 17791–81–0) (provided for in subheading 3204.14.30)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 SEC. 74384. DIRECT YELLOW 107.

- 5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.22.70	<i>Direct Yellow 107 (3-[[3-Methoxy-4-[[2-methoxy-4-[(3-sulfophenyl)diazenyl]phenyl]carbamoylamino]phenyl]diazenyl]benzenesulfonic acid) (CAS No. 25712–08–7) (provided for in subheading 3204.14.30)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 SEC. 74385. DIRECT GREEN 26.

- 8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.22.71	<i>Direct Green 26</i> (Pentasodium;5-[[4-[[4-anilino-6-[[8-hydroxy-7-[[4-[[8-hydroxy-3,6-disulfonatophthalen-1-yl]diazenyl]-2-methoxy-5-methylphenyl]diazenyl]-3,6-disulfonatophthalen-1-yl]amino]-1,3,5-triazin-2-yl]amino]phenyl]diazenyl]-2-hydroxybenzoate) (CAS No. 6388-26-7) (provided for in subheading 3204.14.50)	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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1 SEC. 74386. DIRECT YELLOW 11.

- 2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.22.72	<i>Direct Yellow 11</i> (Disodium; 6-oxo-5-[(4-sulfonatophenyl)hydrazinylidene] naphthalene-2-sulfonate) (CAS No. 1325-37-7) (provided for in subheading 3204.14.50)	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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4 SEC. 74387. DIRECT ORANGE 15.

- 5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.22.73	<i>Direct Orange 15</i> (Sodium; (8Z,20Z)-2,3,14,15-tetrazapentacyclo [20.2.2.24.7.210,13.216,19] dotriaconta-1(24),2,4,6,8,10,12,14,16,18,20, 22,25,27,29,31-hezadecaene-6,11,18,23-tetrasulfonic acid) (CAS No. 1325-35-5) (provided for in subheading 3204.14.50)	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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7 SEC. 74388. DIRECT BROWN 44.

- 8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.22.74	<i>Direct Brown 44 (Disodium; 4-[[2,4-diamino-5-[[3-[[2,4-diamino-5-[(4-sulfonatophenyl) diazenyl]phenyl]diazenyl]phenyl]diazenyl]phenyl]benzenesulfonate) (CAS No. 6252-62-6) (provided for in subheading 3204.14.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 74389. DIRECT RED 81.

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.22.75	<i>Direct Red 81 (Disodium;7-benzamido-4-hydroxy-3-[[4-[(4-sulfonatophenyl)diazenyl]phenyl]diazenyl]naphthalene-2-sulfonate) (CAS No. 2610-11-9) (provided for in subheading 3204.14.50)</i>	<i>2%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 SEC. 74390. DIRECT YELLOW 142.

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.22.76	<i>Direct Yellow 142 (CAS No. 71902-08-4) (provided for in subheading 3204.14.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 SEC. 74391. DIRECT RED 80.

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.22.77	<i>Direct Red 80 (hexasodium;4-hydroxy-7-[[5-hydroxy-7-sulfonato-6-[[2-sulfonato-4-[(4-sulfonatophenyl) diazenyl]phenyl]diazenyl]naphthalen-2-yl]carbamoylamino]-3-[[2-sulfonato-4-[(4-sulfonatophenyl)diazenyl]phenyl]diazenyl]naphthalene-2-sulfonate) (CAS No. 2610-10-8) (provided for in subheading 3204.14.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74392. DIRECT RED 16.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.22.78	<i>Direct Red 16, disodium salt (disodium;7-amino-4-hydroxy-3-[(5-hydroxy-6-phenyldiazenyl-7-sulfonatophthalen-2-yl)diazenyl]naphthalene-2-sulfonate) (CAS No. 6227-02-7) (provided for in subheading 3204.14.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74393. DIRECT RED 254.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.22.79	<i>Direct Red 254 (Disodium;7-amino-4-hydroxy-3-[[4-[(4-sulfonatophenyl)diazenyl]phenyl]diazenyl]naphthalene-2-sulfonate) (CAS No. 6300-50-1) (provided for in subheading 3204.14.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 74394. COLORANT.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.22.80	<i>Copper, [μ-[[3,3'-(1-oxido-1,2-diazenediyl)bis[[2-(hydroxyκO)-4,1-phenylene]-2,1-diazenediyl-κN1]]bis[4-(hydroxyκO)-2,7-naphthalenedisulfonato]](8-)]]di-, sodium (1:4) (CAS No. 75173-68-1) (provided for in subheading 3204.14.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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10 **SEC. 74395. DIRECT YELLOW 34.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.22.81	<i>Direct Yellow 34</i> <i>(Tetrasodium;3-[[4-[[4-(4,8-</i> <i>disulfonatophthalen-2-</i> <i>yl)diazenyl]-2-methoxy-5-</i> <i>methylphenyl]carbonylamino]-5-methoxy-</i> <i>2-</i> <i>methylphenyl]diazenyl]naphthalene-1,5-</i> <i>disulfonate) (CAS No. 6420-</i> <i>33-3) (provided for in sub-</i> <i>heading 3204.14.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before</i> <i>12/31/2023 ...</i>	”.
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1 SEC. 74396. VAT ORANGE 2 DYE POWDER.

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.22.82	<i>Vat Orange 2 (1,2-</i> <i>Dibromopyranthrene-8,16-</i> <i>dione) (CAS No. 1324-35-2)</i> <i>(provided for in subheading</i> <i>3204.15.20)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before</i> <i>12/31/2023 ...</i>	”.
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4 SEC. 74397. VAT VIOLET 13 DYE.

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.22.83	<i>Vat Violet 13 (5,20-</i> <i>Diazaheptacyclo</i> <i>[16.12.0.03,16.04,13.06,</i> <i>11.019,28,021,26] triaconta-</i> <i>1(18),3(16),4(13),6,8,10,</i> <i>14,19(28),21,23, 25,29-</i> <i>dodecaene-2,12,17,27-tetrone)</i> <i>(CAS No. 4424-87-7) (CIN</i> <i>68700) (provided for in sub-</i> <i>heading 3204.15.20)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before</i> <i>12/31/2023 ...</i>	”.
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7 SEC. 74398. VAT BROWN 3 DYE.

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.22.84	Vat Brown 3 (N-(28-Benzamido-6,13,19,26-tetraoxo-16-azaheptacyclo[15.12.0.02,15.05,14.07,12,018,27,020,25] nonacos-1(29),2(15),3,5(14),7(12),8,10,17,20,22,24,27-dodecaen-8-yl)benzamide) (CAS No. 131-92-0) (provided for in subheading 3204.15.20)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 SEC. 74399. VAT RED 10 DYE POWDER.

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.22.85	Vat Red 10 (2-(1-Amino-9,10-dioxoanthracen-2-yl)naphtho[2,3-f][1,3]benzoxazole-5,10-dione) (CAS No. 2379-79-5) (provided for in subheading 3204.15.30)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 SEC. 74400. VAT BROWN 57 DYE.

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.22.86	Vat Brown 57 (CAS No. 12227-28-0) (provided for in subheading 3204.15.30)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 SEC. 74401. VAT RED 31 DYE POWDER.

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.22.87	Vat Red 31 dye powder (1-Amino-2-[5-(1-amino-9,10-dioxoanthracen-2-yl)-1,3,4-oxadiazol-2-yl]anthracene-9,10-dione) (CAS No. 52591-25-0) (CIN 60030) (provided for in subheading 3204.15.40)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74402. DYE MIXTURES OF VAT BROWN 3 AND VAT**
 2 **BLACK 27.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.22.88	Disperse dye mixtures of Vat Brown 3 (N-(28-benzamido-6,13,19,26-tetraoxo-16-azaheptacyclo [15.12.0.0 ^o (2,15).0 ^o (5,14).0 ^o (7,12).0 ^o (18,27).0 ^o (20,25)] nonacosan-1(29),2(15), 3,5(14), 7(12), 8,10,17,20,22, 24,27-dodecaen-8-yl)benzamide) (CAS No. 131-92-0) and Vat Black 27 (N-(28-benzamido-6,13,19, 26-tetraoxo-16-azaheptacyclo [15.12.0.0 ^o (2,15).0 ^o (5,14).0 ^o (7,12).0 ^o (18,27).0 ^o (20,25)] nonacosan-1(29),2,4,7, 9,11,14,17, 20,22, 24,27-dodecaen-4-yl) benzamide) (CAS No. 2379-81-9) (provided for in subheading 3204.15.40)	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 74403. VAT RED 13.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.22.89	Vat Red 13 (15-Ethyl-12-(15-ethyl-8-oxo-14,15-diazatetracyclo [7.6.1.02,7.013,16] hexadeca-1(16),2,4,6,9,11,13-heptaen-12-yl)-14,15-diazatetracyclo [7.6.1.02,7.013,16] hexadeca-1(16),2,4,6,9,11,13-heptaen-8-one) (CAS No. 4203-77-4) (provided for in subheading 3204.15.80)	Free	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 74404. VAT YELLOW 2 DYE POWDER.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.22.90	Vat Yellow 2 (6,16-Diphenyl-5,15-dithia-7,17-diazapentaicyclo [11.7.0.03.11.04.8.014,18] icosa-1(13),3(11),4(8),6,9,14(18),16,19-octaene-2,12-dione) (CAS No. 129-09-9) (provided for in subheading 3204.15.80)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 SEC. 74405. VAT YELLOW 33 DYE.

- 2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.22.91	Vat Yellow 33 (N-(9,10-Dioxoanthracen-1-yl)-4-[[4-[4-(9,10-dioxoanthracen-1-yl)carbonyl]phenyl]phenyl]diazanyl]phenyl benzamide) (CAS No. 12227-50-8) (provided for in subheading 3204.15.80)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 SEC. 74406. VAT GREEN 1 DYE.

- 5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.22.92	Vat Green 1 (Anthra[9,1,2-cde]benzo[rst]pentaphene-5,10-dione, 16,17-dimethoxy-) (CAS No. 128-58-5) (CIN 59825) (provided for in subheading 3204.15.80)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 SEC. 74407. VAT GREEN 3.

- 8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.22.93	Vat Green 3 (Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15(16H)-trione) (CAS No. 3271-76-9) (CIN 69500) (provided for in subheading 3204.15.80)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74408. VAT BLUE 6 DYE.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.22.94	Vat Blue 6 (15,30-Dichloro-2,17-diazaheptacyclo [16.12.0.03,16.04,13.06,11.019,28.021,26] triacont-1(30),3,6,8,10,13,15,18,21,23,25,28-dodecaene-5,12,20,27-tetrone) (CAS No. 130-20-1) (provided for in subheading 3204.15.80)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74409. VAT BLUE 20 DYE.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.22.95	Vat Blue 20 (Anthra[9,1,2-cde]benzo[rst]pentaphene-5,10-dione) (CAS No. 116-71-2) (CIN 59800) (provided for in subheading 3204.15.80)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74410. VAT VIOLET 1.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.22.96	Vat Violet 1 (Benzo[rst]phenanthro [10,1,2-cde] pentaphene-9,18-dione, dichloro-) (CAS No. 1324-55-6) (CIN 60010) (provided for in subheading 3204.15.80)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74411. VAT BROWN 1 DYE.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.22.97	Vat Brown 1 (Naphth[2',3':6,7]indolo[2,3-c]dinaphtho[2,3- <i>a</i> :2',3'-i]carbazole-5,10,15,17,22,24-hexone, 16,23-dihydro-) (CAS No. 2475-33-4) (CIN 70800) (provided for in subheading 3204.15.80)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 SEC. 74412. VAT BLACK 16 DYE.

2 *Subchapter II of chapter 99 is amended by inserting*

3 *in numerical sequence the following new heading:*

“	9902.22.98	Vat Black 16 (8-Aminononacyclo [18.10.2.22,5.03,16.04,13.06,11.017,31.022,27.028,32] tetratriaconta-1(31),2,4,6(11),7,9,13,15,17,19,22,24,26,28(32),29,33-hexadecaene-12,21-dione) (CAS No. 26763-69-9) (provided for in subheading 3204.15.80)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 SEC. 74413. VAT BLACK 25.

5 *Subchapter II of chapter 99 is amended by inserting*

6 *in numerical sequence the following new heading:*

“	9902.22.99	Vat Black 25 (Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15(16H)-trione, 3-[(9,10-dihydro-9,10-dioxo-1-anthracenyl)amino-]) (CAS No. 4395-53-3) (CIN 69525) (provided for in subheading 3204.15.80)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 SEC. 74414. VAT BLACK 27.

8 *Subchapter II of chapter 99 is amended by inserting*

9 *in numerical sequence the following new heading:*

“	9902.23.01	Vat Black 27 (Benzamide, N,N'-(10,15,16,17-tetrahydro-5,10,15,17-tetraoxo-5H-dinaphtho[2,3- <i>a</i> :2',3'-i]carbazole-6,9-diyl)bis-) (CAS No. 2379-81-9) (CIN 69005) (provided for in subheading 3204.15.80)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74415. REACTIVE YELLOW 145.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.23.02	<i>Reactive Yellow 145 (Tetrasodium;7-[[2-(carbamoylamino)-4-[[4- chloro-6-[3-(2- sulfonatooxyethylsulfonyl) anilino]-1,3,5-triazin-2-yl] amino]phenyl]diazanyl] naph- thalene-1,3,6-trisulfonate) (CAS No. 80157-00-2) (pro- vided for in subheading 3204.16.30)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74416. REACTIVE RED 195.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.23.03	<i>Reactive Red 195 (Pentasodium 5-[[4-chloro-6- [3-(2- sulfonatooxyethylsulfonyl) anilino]-1,3,5-triazin-2- yl]amino]-3-[(1,5- disulfonatonaftalen-2- yl)diazanyl]-4- hydroxynaphthalene-2,7- disulfonate) (CAS No. 77365- 64-1) (provided for in sub- heading 3204.16.30)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 74417. REACTIVE BLUE 49.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.23.04	<i>Reactive Blue 49 (Trisodium 1-amino-4-[3-[[4-chloro-6-(2- sulfonatoanilino)-1,3,5-triazin- 2-yl]amino]-2,4,6-trimethyl-5- sulfonatoanilino]-9,10- dioxoanthracene-2-sulfonate) (CAS No. 72214-18-7) (pro- vided for in subheading 3204.16.30)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74418. REACTIVE BLUE 72.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.23.05	Reactive Blue 72 (Cuprate(2-), [C-[[[3-[(4-amino-6-chloro-1,3,5-triazin-2-yl)amino]-4-sulphophenyl]amino]sulfonyl]-C-(aminosulfonyl)-29H,31H-phthalocyanine-C-sulfonato(4-)-κN29,κN30,κN31,κN32]-, sodium (1:2)) (CAS No. 68967-01-1) (provided for in subheading 3204.16.30)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74419. REACTIVE YELLOW 95 POWDER.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.23.06	Reactive Yellow 95 (Trisodium 4-[[4-chloro-6-(3-sulfonatoamino)-1,3,5-triazin-2-yl]amino]-2-[[1-ethyl-6-hydroxy-4-methyl-2-oxo-5-(sulfonomethyl)pyridin-3-yl]diazenyl]benzenesulfonate) (CAS No. 89923-43-3) (provided for in subheading 3204.16.30)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74420. REACTIVE RED 245.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.23.07	Reactive Red 245 (Tetrasodium 5-[4-chloro-6-(N-ethylamino)-1,3,5-triazin-2-ylamino]-4-hydroxy-3-(1,5-disulfonatophthalen-2-ylazo)naphthalene-2,7-disulfonate) (CAS No. 130201-57-9) (provided for in subheading 3204.16.30)	Free	No change	No change	On or before 12/31/2023 ... ”.
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10 **SEC. 74421. REACTIVE BROWN 11.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“ 9902.23.08	<i>Reactive Brown 11</i> <i>(Tetrasodium; 2-[[4-[[[4-(4-amino-6-chloro-1,3,5-triazin-2-yl)amino]-5-sulfonatophthalen-1-yl]diazanyl]-7-sulfonatophthalen-1-yl]diazanyl]benzene-1,4-disulfonate) (CAS No. 70161-16-9) (provided for in sub-heading 3204.16.30)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74422. MIXTURES OF REACTIVE BLACK 5 (NA) (FKP),**
2 **REACTIVE SCARLET F01-0439, AND REACTIVE**
3 **ORANGE 131.**

4 *Subchapter II of chapter 99 is amended by inserting*
5 *in numerical sequence the following new heading:*

“ 9902.23.09	<p><i>Disperse dye mixture of Reactive Black 5 (Na) (FKP) (tetrasodium; 4-amino-5-hydroxy-3,6-bis[[4-(2-sulfonatooxyethylsulfonyl)phenyl]diazenyl]naphthalene-2,7-disulfonate (CAS No. 17095-24-8); Reactive Scarlet F01-0439 (2-naphthalenesulfonic acid, 7-amino-4-hydroxy-, coupled with diazotized 2-[(4-aminophenyl) sulfonyl] ethyl hydrogen sulfate and diazotized 2-amino-5-[[2-(sulfoxy)ethyl]sulfonyl] benzenesulfonic acid, potassium sodium salts) (CAS No. 214362-06-8); reaction mass of 7-amino-3,8-bis-[4-(2-sulfoxyethylsulfonyl)-2-sulfophenylazo]-4-hydroxynaphthalene-2-sulfonic acid, Na/K salt and 7-amino-3-[4-(2-sulfoxyethylsulfonyl)phenylazo]-4-hydroxy-8-[4-(2-sulfoxyethylsulfonyl)-2-sulfophenylazo] naphthalene-2-sulfonic acid, Na/K salt and 7-amino-3,8-bis-[4-(2-sulfoxyethylsulfonyl)phenylazo]-4-hydroxynaphthalene-2-sulfonic acid, Na/K salt and 7-amino-8-[4-(2-sulfoxyethylsulfonyl)phenylazo]-4-hydroxy-3-[4-(2-sulfoxyethylsulfonyl)-2-sulfophenylazo] naphthalene-2-sulfonic acid, Na/K salt, and Reactive Orange 131 (benzenesulfonic acid, 2,4-diamino-3-[2-[4-[2-(sulfoxy)ethyl]sulfonyl]phenyl]diazenyl]-5-[2-[2-sulfo-4-[2-(sulfoxy)ethyl]sulfonyl]phenyl] diazenyl)-, potassium sodium salt (1:?:?)) (CAS No. 187026-95-5) and dipotassium disodium 2,4-diamino-5-(2-{2-sulfo-4-[2-(sulfoxy)ethanesulfonyl]phenyl}diazen-1-yl)-3-(2-{4-[2-(sulfoxy)ethanesulfonyl]phenyl}diazen-1-yl) benzenesulfonate (provided for in sub-heading 3204.16.30)</i></p>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 74423. REACTIVE YELLOW F98-0159.

2 *Subchapter II of chapter 99 is amended by inserting*

3 *in numerical sequence the following new heading:*

“	9902.23.10	Reactive Yellow F98-0159 (benzenesulfonic acid, 2-[2-[2-[(aminocarbonyl)amino]-4-[(2,6-difluoro-4-pyrimidinyl)amino]phenyl]diazenyl]-5-[[2-(sulfooxy)ethyl]sulfonyl]-, sodium salt (1:2)) (CAS No. 176449-21-1) (provided for in subheading 3204.16.30)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74424. DYE MIXTURES OF REACTIVE ORANGE 131 AND**

2 **REACTIVE SCARLET F07-0522.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.23.11	Disperse dye mixtures of Reactive Orange 131 (CAS No. 187026-95-5) (dipotassium disodium 2,4-diamino-5-(2-{2-sulfo-4-[2-(sulfooxy)ethanesulfonyl]phenyl}diazen-1-yl)-3-(2-{4-[2-(sulfooxy)ethanesulfonyl]phenyl}diazen-1-yl)benzene-1-sulfonate) and Reactive Scarlet F07-0522 (CAS No. 891857-92-4) (pentasodium 7-amino-4-hydroxy-3,8-bis-[2-sulfo-4-(2-sulfooxy-ethanesulfonyl)-phenylazo]-naphthalene-2-sulfonate) (provided for in subheading 3204.16.30)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74425. REACTIVE BLACK 31.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.23.12	Reactive Black 31 (cuprate(4-), [4,5-dihydro-4-[2-[8-(hydroxy-kappa.O)-7-[2-[2-(hydroxy-kappa.O)-5-methoxy-4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]diazenyl-kappa.N1]-6-sulfo-2-naphthalenyl]diazenyl]-5-oxo-1-(4-sulfophenyl)-1H-pyrazole-3-carboxylato(6-)]-, sodium) (CAS No. 85585-91-7) (provided for in subheading 3204.16.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74426. REACTIVE RED 120.**2 *Subchapter II of chapter 99 is amended by inserting*3 *in numerical sequence the following new heading:*

“	9902.23.13	Reactive Red 120 (hexasodium 5-[[4-chloro-6-[4-[[4-chloro-6-[[8-hydroxy-3,6-disulfonato-7-(2-sulfonatophenyl)diazenyl]naphthalen-1-yl]amino]-1,3,5-triazin-2-yl]amino]anilino]-1,3,5-triazin-2-yl]amino]-4-hydroxy-3-(2-sulfonatophenyl)diazenyl]naphthalene-2,7-disulfonate) (CAS No. 68214-04-0) (provided for in subheading 3204.16.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74427. REACTIVE BLUE 5.**5 *Subchapter II of chapter 99 is amended by inserting*6 *in numerical sequence the following new heading:*

“	9902.23.14	Reactive Blue 5 (1-Amino-4-{{3-(4-chloro-6-[(3-sulfophenyl)amino]-1,3,5-triazin-2-yl)amino)-4-sulfophenyl}amino}-9,10-dioxo-9,10-dihydro-2-anthracenesulfonic acid) (CAS No. 16823-51-1) (provided for in subheading 3204.16.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74428. REACTIVE ORANGE 13.**8 *Subchapter II of chapter 99 is amended by inserting*9 *in numerical sequence the following new heading:*

“	9902.23.15	Reactive Orange 13 powder (trisodium 2-[[6-[(4-amino-6-chloro-1,3,5-triazin-2-yl)-methylamino]-1-hydroxy-3-sulfonatophthalen-2-yl]diazenyl]naphthalene-1,5-disulfonate) (CAS No. 70616-89-6) (provided for in subheading 3204.16.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74429. REACTIVE ORANGE 12.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.23.16	Reactive Orange 12 powder (trisodium 7-[[4-[(4-amino-6-chloro-1,3,5-triazin-2-yl)amino]-2-(carbamoylamino)phenyl]diazenyl]naphthalene-1,3,6-trisulfonate) (CAS No. 70161-14-7) (provided for in subheading 3204.16.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74430. PIGMENT RED 177.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.23.17	Pigment Red 177 (1-amino-4-(4-amino-9,10-dioxoanthracen-1-yl)anthracene-9,10-dione) (CAS No. 4051-63-2) (provided for in subheading 3204.17.04)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74431. PIGMENT YELLOW 110.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.23.18	Pigment Yellow 110 (4,5,6,7-tetrachloro-3-[4-[(4,5,6,7-tetrachloro-3-oxoisindol-1-ylidene)amino]phenyl]iminoisindol-1-one) (CAS No. 5590-18-1) (provided for in subheading 3204.17.04)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74432. PIGMENT YELLOW 147.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.23.19	Pigment Yellow 147 (1-[[4-[(9,10-dioxoanthracen-1-yl)amino]-6-phenyl-1,3,5-triazin-2-yl]amino]anthracene-9,10-dione) (CAS No. 4118-16-5) (provided for in subheading 3204.17.60)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74433. PIGMENT ORANGE 64.**

2 *Subchapter II of chapter 99 is amended by inserting*

3 *in numerical sequence the following new heading:*

“	9902.23.20	Pigment Orange 64 (5-[(6-methyl-2-oxo-1,3-dihydrobenzimidazol-5-yl)diazenyl]-1,3-diazinane-2,4,6-trione) (CAS No. 72102-84-2) (provided for in subheading 3204.17.60)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74434. PIGMENT BLUE 29.**

5 *Subchapter II of chapter 99 is amended by inserting*

6 *in numerical sequence the following new heading:*

“	9902.23.21	Pigment Blue 29 (aluminum sodium orthosilicate trisulfate-1,3-diide (6:8:6:1)) (CAS No. 57455-37-5) (provided for in subheading 3204.17.60)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74435. PIGMENT VIOLET 15.**

8 *Subchapter II of chapter 99 is amended by inserting*

9 *in numerical sequence the following new heading:*

“	9902.23.22	Pigment Violet 15 (hexaaluminum;hexasodium; tetrathietane;hexasilicate) (CAS No. 12769-96-9) (provided for in subheading 3204.17.60)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74436. PIGMENT BLUE 14.**

11 *Subchapter II of chapter 99 is amended by inserting*

12 *in numerical sequence the following new heading:*

“	9902.23.23	<i>Pigment Blue 14</i> <i>(ethanaminium, N-(4-(bis(4-(diethylamino)phenyl)methylene)-2,5-cyclohexadien-1-ylidene)-N-ethyl-, molybdatungstatephosphate)</i> <i>(CAS No. 1325-88-8) (provided for in subheading 3204.17.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 74437. SOLVENT BLUE 97.

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.23.24	<i>Solvent Blue 97 (1,4-Bis(2,6-diethyl-4-methylamino)anthracene-9,10-dione) (CAS Nos. 61969-44-6 and 32724-62-2) (provided for in subheading 3204.19.11)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 SEC. 74438. SOLVENT GREEN 5.

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.23.25	<i>Solvent Green 5 (bis(2-methylpropyl) perylene-3,9-dicarboxylate) (CAS No. 2744-50-5) (provided for in subheading 3204.19.11)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 SEC. 74439. SOLVENT YELLOW 98.

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.23.26	<i>Solvent Yellow 98 (14-octadecyl-8-thia-14-azapentacyclo [10.6.2.0^{2,7}.0^{9,19}.0^{16,20}] icosa-1(19),2,4,6,9,11,16(20),17-octaene-13,15-dione) (CAS No. 12671-74-8) (provided for in subheading 3204.19.11)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74440. SOLVENT GREEN 7.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.23.27	Solvent Green 7 (trisodium 8-hydroxyppyrene-1,3,6-trisulfonate) (CAS No. 6358-69-6) (provided for in subheading 3204.19.11)	Free	No change	No change	On or before 12/31/2023 ...	”.
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4 **SEC. 74441. SOLVENT RED 195.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.23.28	Solvent Red 195 (methyl 4-cyano-5-[[5-cyano-2,6-bis(3-methoxypropylamino)-4-methylpyridin-3-yl]diazonyl]-3-methylthiophene-2-carboxylate) (CAS No. 72968-71-9) (provided for in subheading 3204.19.20)	Free	No change	No change	On or before 12/31/2023 ...	”.
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7 **SEC. 74442. SOLVENT ORANGE 115.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.23.29	Solvent Orange 115 (7H-Benzimidazo[2,1-a]benzo[3,4][2]benzothioopyrano[7,8,1-de]isoquinolin-7-one) (CAS No. 53304-32-8) (provided for in subheading 3204.19.20)	Free	No change	No change	On or before 12/31/2023 ...	”.
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10 **SEC. 74443. SPECIALTY DYES.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.23.30	White/bluish powder dye containing benzenesulfonamide, 2,2'-([1,1'-biphenyl]-4,4'-diyl)di-2,1-ethenediyl)bis[N-(3-hydroxypropyl)-, polymer with formaldehyde, ar-methylbenzenesulfonamide and 1,3,5-triazine-2,4,6-triamine (CAS No. 1191239-40-3) (provided for in subheading 3204.19.20)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74444. SOLVENT GREEN 3.**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.23.31	Solvent Green 3 (1,4-bis(4-methylamino)anthracene-9,10-dione) (CAS No. 128-80-3) (CIN 61565) (provided for in subheading 3204.19.25)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74445. SOLVENT BLUE 36.**

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.23.33	Solvent Blue 36 (1,4-bis(propan-2-ylamino)anthracene-9,10-dione) (CAS No. 14233-37-5) (provided for in subheading 3204.19.25)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74446. MIXTURES OF SOLVENT GREEN 3.**

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.23.34	Mixtures of Solvent Green 3 (1,4-bis(4-methylamino)anthracene-9,10-dione) (CAS No. 128-80-3) (provided for in subheading 3204.19.25)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74447. SOLVENT RED 52.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.23.35	Solvent Red 52 (3-methyl-6-[(4-methylphenyl)amino]-3H-naphtho[1,2,3-de]quinoline-2,7-dione) (CAS No. 81-39-0) (provided for in subheading 3204.19.25)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74448. SOLVENT RED 149.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.23.36	Solvent Red 149 (6-(cyclohexylamino)-3-methyl-3H-naphtho[1,2,3-de]quinoline-2,7-dione) (CAS No. 21295-57-8 or 71902-8-6) (provided for in subheading 3204.19.25)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74449. SOLVENT RED 207.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.23.37	Solvent Red 207 (1,5-bis(cyclohexylamino)anthracene-9,10-dione) (CAS No. 15958-68-6) (provided for in subheading 3204.19.25)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74450. SOLVENT VIOLET 14.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.23.38	Solvent Violet 14 (1,5-bis(4-methylamino)anthracene-9,10-dione) (CAS No. 8005-40-1) (provided for in subheading 3204.19.25)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74451. SOLVENT YELLOW 179.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.23.39	<i>Solvent Yellow 179 (2-[[4-[2-(4-cyclohexylphenoxy) ethyl-ethylamino]-2-methylphenyl]methylidene]propanedinitrile) (CAS No. 54079-53-7) (provided for in subheading 3204.19.25)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74452. SOLVENT YELLOW 131.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.23.40	<i>Solvent Yellow 131 (2-(3-hydroxypropyl)-6-(3-hydroxypropylamino)benzo[de]isoquinoline-1,3-dione) (CAS No. 52821-24-6) (provided for in subheading 3204.19.25)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 74453. HOGEN BLUE XB-20.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.23.41	<i>Synthetic organic coloring matter containing copper(II) phthalocyanine (CAS No. 147-14-8) (provided for in subheading 3204.19.40)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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10 **SEC. 74454. SOLVENT YELLOW 104.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.23.42	<i>Solvent Yellow 104 (CAS No. 143476-34-0) (provided for in subheading 3204.19.40)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74455. COMBINATION OF FLUORESCENT BRIGHTENERS**2 **367 AND 371.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.23.43	Mixture of Fluorescent Brightener 367 (CAS No. 5089–22–5) and Fluorescent Brightener 371 (provided for in subheading 3204.20.80)	Free	No change	No change	On or before 12/31/2023 ...	”.
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5 **SEC. 74456. FLUORESCENT BRIGHTENER CBS-X.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.23.44	Disodium 2,2'-(biphenyl-4,4'-diyl)diethene-2,1-diyl)dibenzene-sulfonate (CAS No. 27344–41–8) of a kind used as a fluorescent brightening agent (provided for in subheading 3204.20.80)	Free	No change	No change	On or before 12/31/2023 ...	”.
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8 **SEC. 74457. OPTICAL BRIGHTENER SWN.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.23.45	7-(Diethylamino)-4-methylchromen-2-one (CAS No. 91–44–1) (provided for in subheading 3204.20.80)	Free	No change	No change	On or before 12/31/2023 ...	”.
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11 **SEC. 74458. C.I. FLUORESCENT BRIGHTENER 199:1.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.23.46	Mixtures of 1-(2-cyanostyryl)-4-(4-cyanostyryl)benzene (CAS No. 13001-38-2); 2,2'-oxydi(ethan-1-ol) (CAS No. 111-46-6); acetic acid ethenyl ester, polymer with ethenol (CAS No. 25213-24-5); methyl 4-[2-[4-(5-methyl-2-benzoxazolyl)phenyl]vinyl]benzoate (CAS No. 18039-18-4); and formaldehyde, polymer with oxirane and phenol, methyl ether (CAS No. 68988-31-8) of a kind used as fluorescent brightening agents (provided for in subheading 3204.20.80)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74459. FLUORESCENT BRIGHTENER 368.**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.23.47	Mixtures of 2-[4-(E)-2-[4-(1,3-benzoxazol-2-yl)phenyl]ethenyl]phenyl]-1,3-benzoxazole (CAS No. 1533-45-5); 5-methyl-2-[4-(E)-2-[4-(5-methyl-1,3-benzoxazol-2-yl)phenyl]ethenyl]phenyl]-1,3-benzoxazole (CAS No. 2397-00-4) and 2-[4-(E)-2-[4-(1,3-benzoxazol-2-yl)phenyl]ethenyl]phenyl]-5-methyl-1,3-benzoxazole (CAS No. 5242-49-9) (provided for in subheading 3204.20.80)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74460. 1,4-BIS(2-CYANOSTYRYL)BENZENE.**

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.23.48	2-[(E)-2-[4-(E)-2-(2-Cyanophenyl)ethenyl]phenyl]ethenyl]benzotrile (CAS No. 13001-39-3) (provided for in subheading 3204.20.80)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74461. CERTAIN MANUFACTURING INPUTS.**

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.23.49	1-[3-(Dimethylamino)propyl]-4-methyl-6-oxo-3-pyridin-1-ium-1-ylpyridin-2-olate (CAS No. 104583-33-7) (provided for in subheading 3204.90.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 SEC. 74462. CERIUM SULFIDE PIGMENTS.

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.23.50	Pigment preparations based on cerium sulfide or mixtures of cerium sulfide and lanthanum sulfide (CAS Nos. 12014-93-6 and 12031-49-1) (provided for in subheading 3206.49.60)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 SEC. 74463. MATTE PEARLESCENT PIGMENTS.

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.23.51	Coloring matter of mica (CAS No. 12001-26-2) and titanium dioxide (CAS No. 13463-67-7), coated with sub-micron poly(methyl methacrylate) (CAS No. 9011-14-7) spheres to create a matte optical effect (provided for in subheading 3206.49.60)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 SEC. 74464. ANGLE-DEPENDENT INTERFERENCE PIGMENTS.

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.23.52	Angle-dependent interference pigments based on a substrate of transparent or translucent inorganic flakes of fluorophlogopite (CAS No. 12003-38-2), titanium dioxide (CAS No. 13463-67-7), and synthetic amorphous silica (CAS No. 112945-52-5) (provided for in subheading 3206.49.60)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74465. INORGANIC LUMILUX.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.23.53	<i>Inorganic products of a kind used as luminophores containing zinc sulfide (ZnS), copper chloride-doped (CAS No. 68611-70-1), dizinc;silicate (CAS No. 68611-47-2), yttrium oxide sulfide (Y₂O₂S), europium-doped (CAS No. 68784-83-8), erbium sodium ytterbium fluoride (Er_{0.04}NaYb_{0.96}F₄) (CAS No. 753489-08-6), diyttrium dioxide sulfide (CAS No. 12340-04-4), oxygen(2-);yttrium(3+) (CAS No. 1314-36-9), (CAS No. 1314-37-9) and erbium(III) oxide (CAS No. 12061-16-4) (provided for in subheading 3206.50.00)</i>	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74466. RIBBON/MATRIX RESIN.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.23.54	<i>Optical fiber ribbon cable matrix resin, a polymer in the form of a liquid coating, with a density of approximately 1.12 kg/liter, viscosity of 3000 to 5000 cps at 25 °C, with elongation greater than 20 percent and tensile strength of 22 to 32 MPa (provided for in subheading 3208.20.00)</i>	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74467. BONDING AGENT 2005.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.23.55	<i>Solution as defined in note 4 to chapter 32, mixture of poly(toluene 2,4-diisocyanate) (CAS No. 26006-20-2); 2,4-diisocyanato-1-methylbenzene (CAS No. 584-84-9) and butyl acetate (CAS No. 123-86-4) (provided for in subheading 3208.90.00)</i>	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74468. FLUOROPOLYMER RESIN.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.23.56	<i>Solution of high molecular weight fluoroethylene-alkyl vinyl ether (FEVE) alternative copolymer, containing 38 to 42 percent by weight of moderate OH number resin in a blend of cyclohexanone and aromatic hydrocarbon solvent, having a Tg of 20 °C (CAS No. 207691-69-8) (provided for in subheading 3208.90.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74469. ZIRCONIUM 12 PAINT DRIER.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.23.57	<i>Zirconium 12 paint drier, mixtures of naphtha, petroleum, hydrotreated heavy (CAS No. 64742-48-9), zirconium 2-ethylhexanoate (CAS No. 22464-99-9), nonane (CAS No. 111-84-2), zirconium, bis(acetate-o)oxo- (CAS No. 5153-24-2) (provided for in heading 3211.00.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 74470. ZIRCONIUM 24 PAINT DRIER.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.23.58	<i>Zirconium 24 paint drier, mixtures of naphtha, petroleum, hydrotreated heavy (CAS No. 64742-48-9), zirconium 2-ethylhexanoate (CAS No. 22464-99-9), nonane (CAS No. 111-84-2), zirconium, bis(acetate-o)oxo- (CAS No. 5153-24-2) (provided for in heading 3211.00.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74471. DRIER ACCELERATORS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.23.59	<i>Prepared drier accelerators containing a mixture of cyclopentanone (CAS No. 120-92-3), cyclohexanone (CAS No. 108-94-1), and 2-pyridin-2-ylpyridine (CAS No. 366-18-7) (provided for in heading 3211.00.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74472. LEMON OIL.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.23.60	<i>Essential oils of lemon (CAS No. 8008-56-8) (provided for in subheading 3301.13.00)</i>	<i>3.3%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 74473. SULFONIC ACIDS, C14-17-SEC-ALKANE, SODIUM**
 8 **SALT.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.23.61	<i>Sulfonic acids, C14-17-sec-alkane, sodium salt (CAS No. 97489-15-1) anionic aromatic surface-active agent (provided for in subheading 3402.11.20)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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11 **SEC. 74474. POTASSIUM ETHYL OCTYLPHOSPHONATE.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.23.62	<i>Potassium; ethoxy(octyl)phosphinate (CAS No. 68134-28-1) (provided for in subheading 3402.11.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74475. INTERMEDIATE IN THE PRODUCTION OF INDUS-**
 2 **TRIAL LUBRICANTS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.23.63	(Z)-N-Methyl-N-(1-oxo-9-octadecenyl)glycine (N-oleylsarcosine) (CAS No. 110-25-8) surfactant (provided for in subheading 3402.11.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74476. POLYETHER DISPERSANT.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.23.64	Oxirane, 2-methyl-, polymer with oxirane, mono[(diethylamino)alkyl] ether surfactant (CAS No. 68511-96-6) (provided for in subheading 3402.12.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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8 **SEC. 74477. D-GLUCOPYRANOSE.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.23.65	(3R,4S,5S,6R)-2-decoxy-6-(hydroxymethyl)oxane-3,4,5-triol (CAS No. 68515-73-1) (provided for in subheading 3402.13.20)	Free	No change	No change	On or before 12/31/2023 ...”.
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11 **SEC. 74478. 2-DODECOXY-6-(HYDROXYMETHYL)OXANE-3,4,5-**
 12 **TRIOI.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.23.66	(3R,4S,5S,6R)-2-Dodecoxy-6-(hydroxymethyl)oxane-3,4,5-triol (CAS No. 110615-47-9) (provided for in subheading 3402.13.20)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74479. MIXTURES OF CERTAIN C12–14-ALKYL ETHERS.**

2 *Subchapter II of chapter 99 is amended by inserting*

3 *in numerical sequence the following new heading:*

“	9902.23.67	Mixtures of poly(oxy-1,2-ethanediyl), α -phosphono- ω -hydroxy-, C12-14-alkyl ethers (CAS No. 121158-63-2); poly(oxy-1,2-ethanediyl), α, α' -phosphinicobis(ω -hydroxy-, di-C12-14-alkyl ethers (CAS No. 121158-61-0); poly(oxy-1,2-ethanediyl), α, α', α' -phosphinyldimtris(ω -hydroxy-, tri-C12-14-alkyl ethers (CAS No. 121158-62-1); alcohols C12–14, ethoxylated (CAS No. 68439-50-9) (provided for in subheading 3402.13.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74480. MANUFACTURING CHEMICAL.**

5 *Subchapter II of chapter 99 is amended by inserting*

6 *in numerical sequence the following new heading:*

“	9902.23.68	Mixtures of fatty acids, coco, ethoxylated (CAS No. 61791-29-5) and butan-1-ol; ethane-1,2-diol; propane-1,2-diol (CAS No. 9038-95-3) surfactant (provided for in subheading 3402.13.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74481. NONIONIC SURFACTANT.**

8 *Subchapter II of chapter 99 is amended by inserting*

9 *in numerical sequence the following new heading:*

“	9902.23.69	D-Glucopyranose, oligomeric, C10–16-alkyl glycosides (CAS No. 110615-47-9); water (CAS No. 7732-18-5); and D-glucopyranose, oligomeric, 2-ethylhexyl glycosides (CAS No. 161074-93-7) (provided for in subheading 3402.13.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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10 **SEC. 74482. CHEMICAL USED IN TEXTILE MANUFACTURING.**

11 *Subchapter II of chapter 99 is amended by inserting*

12 *in numerical sequence the following new heading:*

“	9902.23.70	<i>Mixtures of sodium [1-carboxy-17-(dibutylamino)-17-oxoheptadecan-8-yl] sulfate (CAS No. 62093-93-0); sodium; 18-hydroxy-18-oxooctadecane-1-sulfonate (CAS No. 67998-94-1); sodium (Z)-octadec-9-enoate (CAS No. 143-19-1); and (Z)-N,N-dibutyloctadec-9-enamide (CAS No. 5831-80-1) (provided for in subheading 3402.90.10)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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1 **SEC. 74483. ETHOXYLATED TRISTYRYLPHENOL PHOSPHATE**

2 **POTASSIUM SALT.**

3 *Subchapter II of chapter 99 is amended by inserting*

4 *in numerical sequence the following new heading:*

“	9902.23.71	<i>Mixtures of propane-1,2-diol (CAS No. 57-55-6), poly(oxy-1,2-ethanediyl), α-(tris(1-phenylethyl)phenyl)-ω-hydroxy- (CAS No. 99734-09-5), and poly(oxy-1,2-ethanediyl), α-(2,4,6-tris(1-phenylethyl)phenyl)-ω-hydroxy-, phosphate, potassium salt (CAS No. 163436-84-8) (provided for in subheading 3402.90.30)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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5 **SEC. 74484. SODIUM POLYCARBOXYLATE, AQUEOUS SOLU-**

6 **TION.**

7 *Subchapter II of chapter 99 is amended by inserting*

8 *in numerical sequence the following new heading:*

“	9902.23.72	<i>Mixtures of 2,5-furandione, polymer with 2,4,4-trimethylpentene, sodium salt (sodium; oxolane-2,5-dione; 2,4,4-trimethylpent-1-ene) (CAS No. 37199-81-8), and poly(oxy-1,2-ethanediyl), α-(carboxymethyl)-ω-(tridecyloxy)-, branched, sodium salt (CAS No. 68891-17-8) (provided for in subheading 3402.90.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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1 **SEC. 74485. AQUEOUS EMULSION OF A MIXTURE OF AMINE**
 2 **SOAPS AND MISCELLANEOUS OTHER ADDI-**
 3 **TIVES.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“ 9902.23.73	Mixtures of propane-1,2,3-triol (glycerol) (CAS No. 56-81-5); 2-octadec-9-enoryethanol phosphoric acid (CAS No. 39464-69-2); tall oil fatty acid (CAS No. 61790-12-3); 2,3-bis[(Z)-12-hydroxyoctadec-9-enoyl]oxypropyl (Z)-12-hydroxyoctadec-9-enoate (castor oil) (CAS No. 8001-79-4); alcohols C16-18,18 unsaturated, ethoxylated (CAS No. 68920-66-1); 2-(2-hydroxyethylamino)ethanol (Diethanolamine) (CAS No. 111-42-2); distillates (petroleum), hydrotreated light naphthenic (CAS No. 64742-53-6); phosphoric acid (CAS No. 7664-38-2); ethane-1,2-diamine (CAS No. 107-15-3); and 2H-benzotriazole (CAS No. 95-14-7) (provided for in subheading 3403.19.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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6 **SEC. 74486. AQUEOUS DISPERSION OF A MIXTURE OF FATTY**
 7 **AMINE AND AMIDE SOAPS AND MISCELLA-**
 8 **NEOUS OTHER ADDITIVES.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.23.74	<i>Mixtures of (2E,4E,6E,8E,10E,12E)-pentadeca-2,4,6,8,10,12,14-heptaenoic acid (Fatty acids, C14-18 and C16-18-unsaturated) (CAS No. 67701-06-8); 2-octadec-9-enoxyethanol; phosphoric acid (CAS No. 39464-69-2); distillates, petroleum, solvent-dewaxed heavy paraffinic (CAS No. 64742-65-0); alcohols C16-18,18 unsaturated, ethoxylated (CAS No. 68920-66-1); 2-(2-hydroxyethylamino)ethanol (Diethanolamine) (CAS No. 111-42-2); ethane-1,2-diamine (CAS No. 107-15-3); phosphoric acid (CAS No. 7664-38-2); amines, tallow alkyl, ethoxylated (CAS No. 61791-26-2); and 2H-benzotriazole (CAS No. 95-14-7) (provided for in subheading 3403.19.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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1 **SEC. 74487. AQUEOUS DISPERSION OF A MIXTURE OF FATTY**
2 **AMINE AND AMIDE SOAPS AND MISCELLA-**
3 **NEOUS OTHER ADDITIVES.**

4 *Subchapter II of chapter 99 is amended by inserting*
5 *in numerical sequence the following new heading:*

“	9902.23.75	<i>Mixtures of N-[2-(octadecanoylamino)ethyl]octadecanamide (CAS No. 110-30-5); 2-(2-hydroxyethylamino)ethanol (CAS No. 111-42-2); phosphoric acid (CAS No. 7664-38-2); amines, tallow alkyl, ethoxylated (CAS No. 61791-26-2); fatty acids, C14-18 and C16-18-unsaturated (CAS No. 67701-06-8); and nonylphenol, branched, ethoxylated, phosphated (CAS No. 68412-53-3) (provided for in subheading 3403.99.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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6 **SEC. 74488. PHOTOGRAPHIC GELATIN.**

7 *Subchapter II of chapter 99 is amended by inserting*
8 *in numerical sequence the following new heading:*

“	9902.23.76	<i>Photographic gelatin (CAS No. 9000-70-8) (provided for in subheading 3503.00.55)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74489. ICE FOUNTAINS (CLASS 1.4G).**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.23.77	<i>Ice fountains (Class 1.4G) (CAS No. 9904-70-0) generating a jet of sparklers when lit (provided for in subheading 3604.10.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74490. MAGIC CANDLES CONTAINING MAGNESIUM**
5 **POWDER.**

6 *Subchapter II of chapter 99 is amended by inserting*
7 *in numerical sequence the following new heading:*

“	9902.23.78	<i>Magic candles containing magnesium powder (CAS No. 7439-95-4) that automatically relight themselves when blown out and emit spark effects when lit (provided for in subheading 3604.90.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 74491. PARTY SNAPPERS (CLASS 1.4G).**

9 *Subchapter II of chapter 99 is amended by inserting*
10 *in numerical sequence the following new heading:*

“	9902.23.79	<i>Snaps designed to make a loud noise when thrown to the ground (CAS No. 7761-88-8) (provided for in subheading 3604.90.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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11 **SEC. 74492. FENPYROXIMATE 5SC.**

12 *Subchapter II of chapter 99 is amended by inserting*
13 *in numerical sequence the following new heading:*

“	9902.23.80	Mixtures of tert-butyl 4-[(E)- (1,3-dimethyl-5- phenoxypropyl-4-yl) methylidencamino] oxymethylbenzoate (Fenpyroximate) (CAS No. 134098-61-6) and application adjuvants (provided for in subheading 3808.91.25)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74493. PYRIFLUQUINAZON 20SC.**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.23.81	Mixtures of 1-acetyl-6- (1,1,1,2,3,3,3- heptafluoropropan-2-yl)-3- (pyridin-3-ylmethylamino)- 4H-quinazolin-2-one (Pyrifluquinazon) (CAS No. 337458-27-2) and application adjuvants (provided for in subheading 3808.91.25)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74494. IMIDACLOPRID AND MUSCALURE FORMULA-**
5 **TIONS.**

6 *Subchapter II of chapter 99 is amended by inserting*
7 *in numerical sequence the following new heading:*

“	9902.23.82	Product mixtures containing (NE)-N-[1-[(6-chloropyridin-3- yl)methyl]imidazolidin-2- ylidene]nitramide (Imidacloprid) (CAS No. 138261-41-3) and (Z)-tricos- 9-ene (Muscalure) (CAS No. 27519-02-4) (provided for in subheading 3808.91.25)	Free	No change	No change	On or before 12/31/2023 ...”.
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8 **SEC. 74495. FORMULATIONS OF ACEPHATE AND**
9 **BIFENTHRIN.**

10 *Subchapter II of chapter 99 is amended by inserting*
11 *in numerical sequence the following new heading:*

“	9902.23.83	Formulations of N-[methoxy(methylsulfanyl)phosphoryl]acetamide (Acephate) (CAS No. 30560-19-1) and (2-methyl-3-phenylphenyl)methyl (1R,3R)-3-[(Z)-2-chloro-3,3,3-trifluoroprop-1-enyl]-2,2-dimethylcyclopropane-1-carboxylate (Bifenthrin) (CAS No. 82657-04-3) (provided for in subheading 3808.91.25)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74496. FIPRONIL.**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.23.84	(RS)-5-Amino-1-[2,6-dichloro-4-(trifluoromethyl) phenyl]-4-(trifluoromethylsulfanyl)-1H-pyrazole-3-carbonitrile (Fipronil) (CAS No. 120068-37-3) (provided for in subheading 3808.91.25)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74497. ALUMINUM PHOSPHIDE.**

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.23.85	(Formulated aluminium phosphide (aluminum phosphide) (CAS No. 20859-73-8) (provided for in subheading 3808.91.30)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74498. MAGNAPHOS FORMULATIONS.**

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.23.86	Formulations of magnesium phosphide (trimagnesium;phosphorus(3-)) (Magnaphos) (CAS No.12057-74-8) (provided for in subheading 3808.91.30)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74499. FORMULATED OXAMYL.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.23.87	Mixtures of methyl (1Z)-2-(dimethylamino)-N-(methylcarbamoyloxy)-2-oxoethanimidothioate (Oxamyl) (CAS No. 23135-22-0) and application adjuvants (provided for in subheading 3808.91.50)	0.2%	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74500. FORMULATED FUNGICIDES.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.23.88	Mixtures of 2-(trichloromethylsulfanyl)-3a,4,7,7a-tetrahydroisindole-1,3-dione (Captan) (CAS No. 133-06-2) and application adjuvants (provided for in subheading 3808.92.15)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74501. CERTAIN FUNGICIDES.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.23.89	Mixtures of (2Z)-2-[2-fluoro-5-(trifluoromethyl)phenyl]sulfanyl-2-[3-(2-methoxyphenyl)-1,3-thiazolidin-2-ylidene]acetonitrile (CAS No. 958647-10-4); 1-methylpyrrolidin-2-one (CAS No. 872-50-4) and polyoxyalkylene polystyryl phenyl ether (CAS No. 99734-09-5) (provided for in subheading 3808.92.15)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74502. PROTHIOCONAZOLE, FLUOPYRAM, AND**
 2 **TRIFLOXYSTROBIN FUNGICIDES.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.23.90	Product mixtures containing 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1H-1,2,4-triazole-3-thione (Prothioconazole) (CAS No. 178928-70-6), N-[2-[3-chloro-5-(trifluoromethyl)pyridin-2-yl]ethyl]-2-(trifluoromethyl)benzamide (Fluopyram) (CAS No. 658066-35-4) and (2E)-2-methoxyimino-2-[2-[[[(E)-1-[3-(trifluoromethyl)phenyl]ethylideneamino]oxymethyl]phenyl]acetate (Trifloxystrobin) (CAS No. 141517-21-7) (provided for in subheading 3808.92.15)	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 74503. PROTHIOCONAZOLE, METALAXYL, AND**
 6 **TEBUCONAZOLE FUNGICIDES.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.23.91	Product mixtures containing 2-[(2RS)-2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-2H-1,2,4-triazole-3(4H)-thione (Prothioconazole) (CAS No. 178928-70-6), methyl N-(2-methoxyacetyl)-N-(2,6-xylyl)-DL-alaninate (Metalaxyl) (CAS No. 57837-19-1) and (RS)-1-p-chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl) pentan-3-ol (Tebuconazole) (CAS No. 107534-96-3) (provided for in subheading 3808.92.15)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74504. MANCOZEB AND CHLOROTHALONIL FORMULA-**
 2 **TIONS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.23.92	Formulations of zinc;manganese(2+);N-[2-(sulfidocarbothioylamino)ethyl]carbamodithioate (Mancozeb) (CAS No. 8018-01-7) and 2,4,5,6-tetrachlorobenzene-1,3-dicarbonitrile (Chlorothalonil) (CAS No. 1897-45-6) (provided for in subheading 3808.92.15)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74505. MIXTURES OF PICARBUTROX AND APPLICATION**
 6 **ADJUVANTS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.23.93	Mixtures of tert-butyl N-[6-[[[Z)-[(1-methyltetrazol-5-yl)-phenylmethylidene]amino]oxymethyl]pyridin-2-yl]carbamate (Picarbutrox) (CAS No. 500207-04-5) and application adjuvants (provided for in subheading 3808.92.15)	Free	No change	No change	On or before 12/31/2023 ...”.
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9 **SEC. 74506. MIXTURES OF TETRACONAZOLE AND APPLICA-**
 10 **TION ADJUVANTS.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.23.94	Mixtures of 1-[2-(2,4-dichlorophenyl)-3-(1,1,2,2-tetrafluoroethoxy)propyl]-1,2,4-triazole (Tetraconazole) (CAS No. 112281-77-3) and application adjuvants (provided for in subheading 3808.92.15)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74507. MANCOZEB AND AZOXYSTROBIN FORMULA-**
 2 **TIONS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.23.95	Formulations containing zinc;manganese(2+);N-[2-(sulfidocarbothioylamino)ethyl]carbamodithioate (Mancozeb) (CAS No. 8018-01-7) and methyl (E)-2-[2-[6-(2-cyanophenoxy)pyrimidin-4-yl]oxyphenyl]-3-methoxyprop-2-enoate (Azoxystrobin) (CAS No. 131860-33-8) (provided for in subheading 3808.92.28)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74508. MIXTURES OF CYMOXANIL AND FUMED**
 6 **DIOXOSILANE.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.23.96	Mixtures of (1E)-2-(ethylcarbamoylamino)-N-methoxy-2-oxoethanimidoyl cyanide (Cymoxanil) (CAS No. 57966-95-7), fumed dioxosilane (CAS No. 112945-52-5), and application adjuvants (provided for in subheading 3808.92.30)	Free	No change	No change	On or before 12/31/2023 ...”.
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9 **SEC. 74509. MICROTHIOL FORMULATIONS.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.23.97	Formulations of micronized sulfur (CAS No. 7704-34-9) (provided for in subheading 3808.92.30)	Free	No change	No change	On or before 12/31/2023 ...”.
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“	9902.24.01	Product mixtures containing ethyl (2R)-2-[4-[(6-chloro-1,3-benzoxazol-2-yl)oxy]phenoxy]propanoate (Fenoxaprop-ethyl) (CAS No. 71283-80-2) (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74513. THIENCARBAZONE-METHYL, ISOXAFLUTOLE,**
2 **AND CYPROSULFAMIDE HERBICIDES.**

3 *Subchapter II of chapter 99 is amended by inserting*
4 *in numerical sequence the following new heading:*

“	9902.24.02	Product mixtures containing methyl 4-[(3-methoxy-4-methyl-5-oxo-1,2,4-triazole-1-carbonyl)sulfamoyl]-5-methylthiophene-3-carboxylate (Thiencarbazone-methyl) (CAS No. 317815-83-1); (5-cyclopropyl-1,2-oxazol-4-yl)-[2-methylsulfonyl-4-(trifluoromethyl)phenyl]methanone (Isoxaflutole) (CAS No. 141112-29-0) and N-[4-(cyclopropylcarbamoyl)phenyl]sulfonyl-2-methoxybenzamide (Cyprosulfamide) (CAS No. 221667-31-8) (provided for in subheading 3808.93.15)	5%	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74514. THIENCARBAZONE-METHYL AND**
6 **IODOSULFURON-METHYLSODIUM HERBI-**
7 **CIDES.**

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“ 9902.24.03	Product mixtures containing methyl 4-[(3-methoxy-4-methyl-5-oxo-1,2,4-triazole-1-carbonyl)sulfamoyl]-5-methylthiophene-3-carboxylate (Thiencarbazone-methyl) (CAS No. 317815-83-1) and sodium (5-iodo-2-methoxycarbonylphenyl)sulfonyl-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbamoyl]azamide (Iodosulfuron methylsodium) (CAS No. 144550-36-7) (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74515. THIENCARBAZONE-METHYL AND MEFENPYR-**
 2 **DIETHYL HERBICIDES.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“ 9902.24.04	Product mixtures containing methyl 4-[(3-methoxy-4-methyl-5-oxo-1,2,4-triazole-1-carbonyl)sulfamoyl]-5-methylthiophene-3-carboxylate (Thiencarbazone-methyl) (CAS No. 317815-83-1) and diethyl 1-(2,4-dichlorophenyl)-5-methyl-4H-pyrazole-3,5-dicarboxylate (Mefenpyr-diethyl) (CAS No. 135590-91-9) (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 74516. THIFENSULFURON-METHYL AND TRIBENURON-**
 6 **METHYL FORMULATIONS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.24.05	Formulations of methyl 3-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbamoylsulfamoyl]thiophene-2-carboxylate (Thifensulfuron-methyl) (CAS No. 79277-27-3) and methyl 2-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)-methylcarbamoyl]sulfamoyl]benzoate (Tribenuron-methyl) (CAS No. 101200-48-0) and application adjuvants (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74517. TRIBENURON-METHYL FORMULATIONS.**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.24.06	Formulations of methyl 2-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)-methylcarbamoyl]sulfamoyl]benzoate (Tribenuron-methyl) (CAS No. 101200-48-0) and application adjuvants (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74518. CHLORSULFURON AND METSULFURON-METHYL**
5 **FORMULATIONS.**

6 *Subchapter II of chapter 99 is amended by inserting*
7 *in numerical sequence the following new heading:*

“	9902.24.07	Formulations of 1-(2-chlorophenyl)sulfonyl-3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)urea (Chlorsulfuron) (CAS No. 64902-72-3), methyl 2-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbamoylsulfamoyl] benzoate (Metsulfuron Methyl) (CAS No. 74223-64-6) and application adjuvants (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74519. THIFENSULFURON-METHYL AND FLUROXYPYR**
 2 **FORMULATIONS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.24.08	Formulations of methyl 3-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbamoylsulfamoyl]thiophene-2-carboxylate (Thifensulfuron-methyl) (CAS No. 79277-27-3), 2-(4-amino-3,5-dichloro-6-fluoropyridin-2-yl)oxyacetic acid (Fluroxypyr) (CAS No. 69377-81-7) and application adjuvants (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74520. ACIFLUROFEN FORMULATIONS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.24.09	Formulations of sodium;5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoate (Acifluorfen) (CAS No. 62476-59-9) (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023 ...”.
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8 **SEC. 74521. S-METOLACHLOR AND MESTRIONE HERBICIDES.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.24.10	Formulations of 2-chloro-N-(2-ethyl-6-methylphenyl)-N-[(2S)-1-methoxypropan-2-yl]acetamide (S-Metolachlor) (CAS No. 87392-12-9) and 4-amino-6-tert-butyl-3-methylsulfanyl-1,2,4-triazin-5-one (Mestrione) (CAS No. 21087-64-9) (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74522. METRIBUZIN FORMULATIONS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.24.11	Formulations of 4-amino-6-tert-butyl-3-methylsulfanyl-1,2,4-triazin-5-one (Metribuzin) (CAS No. 21087-64-9) (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74523. PENDIMETHALINE AND METRIBUZINE FORMU-**
5 **LATIONS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.24.12	Formulations of 3,4-dimethyl-2,6-dinitro-N-pentan-3-ylaniline (Pendimethaline) (CAS No. 40487-42-1) and 4-amino-6-tert-butyl-3-methylsulfanyl-1,2,4-triazin-5-one (Metribuzine) (CAS No. 21087-64-9) (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023 ...”.
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8 **SEC. 74524. FORMULATIONS OF S-METOLACHLOR AND**
9 **METRIBUZIN.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.24.13	Formulations of 2-chloro-N-(2-ethyl-6-methylphenyl)-N-[(2S)-1-methoxypropan-2-yl]acetamide (S-Metolachlor) (CAS No. 87392-12-9) and 4-amino-6-tert-butyl-3-methylsulfanyl-1,2,4-triazin-5-one (Metribuzin) (CAS No. 21087-64-9) (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74525. THIFENSULFURON-METHYL AND TRIBENURON-**
 2 **METHYL FORMULATIONS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.24.14	Formulations of methyl 2-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)-methylcarbamoyl]sulfamoyl]benzoate (Tribenuron-methyl) (CAS No. 101200-48-0) and 3-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbamoylsulfamoyl]thiophene-2-carboxylic acid (Thifensulfuron) (CAS No. 79277-67-1) and application adjuvants (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 74526. METSULFURON-METHYL FORMULATIONS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.24.15	Formulations of methyl 2-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbamoylsulfamoyl]benzoate (Metsulfuron-methyl) (CAS No. 74223-64-6) and application adjuvants (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 74527. CHLORIMURON-ETHYL FORMULATIONS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.24.16	Formulations of ethyl 2-[(4-chloro-6-methoxyypyrimidin-2-yl)carbamoylsulfamoyl] benzoate (Chlorimuron-ethyl) (CAS No. 90982-32-4) and application adjuvants (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74528. MIXTURES OF BROMOXYNIL OCTANOATE AND**
 2 **BROMOXYNIL HEPTANOATE.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.24.17	Mixtures of 2,6-dibromo-4-cyanophenyl octanoate (Bromoxynil octanoate) (CAS No. 1689-99-2) and 2,6-dibromo-4-cyanophenyl heptanoate (Bromoxynil heptanoate) (CAS No. 56634-95-8) (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 74529. SULFOMETURON-METHYL AND METSULFURON-**
 6 **METHYL FORMULATIONS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.24.18	Formulations of methyl 2-[(4,6-dimethylpyrimidin-2-yl)carbamoylsulfamoyl] benzoate (Sulfometuron-methyl) (CAS No. 74222-97-2) and methyl 2-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbamoylsulfamoyl] benzoate (Metsulfuron-methyl) (CAS No. 74223-64-6) and application adjuvants (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023 ... ”.
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9 **SEC. 74530. CHLORIMURON-ETHYL AND TRIBENURON-**
 10 **METHYL FORMULATIONS.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.24.19	Formulations of ethyl 2-[(4-chloro-6-methoxy-2-pyrimidin-2-yl)carbamoylsulfamoyl] benzoate (Chlorimuron-ethyl) (CAS No. 90982-32-4) and methyl 2-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)-methylcarbamoyl]sulfamoyl benzoate (Tribenuron-methyl) (CAS No. 101200-48-0) and application adjuvants (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74531. FORMULATIONS CONTAINING TIAFENACIL.**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.24.20	Formulations containing methyl 3-[2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)pyrimidin-1-yl]phenyl]sulfonylpropanoylamino]propanoate (Tiafenacil) (CAS No. 1220411-29-9) (provided for in subheading 3808.93.15)	0.9%	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74532. DIURON 80.**

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.24.21	Formulated products containing mixtures of 3-(3,4-dichlorophenyl)-1,1-dimethylurea (CAS No. 330-54-1) and application adjuvants (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74533. FLAZASULFURON HERBICIDES.**

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.24.22	Formulations of 1-(4,6-dimethoxy-2-pyrimidin-2-yl)-3-[3-(trifluoromethyl)pyridin-2-yl]sulfonyleurea (Flazasulfuron) (CAS No. 104040-78-0) (provided for in subheading 3808.93.15)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 SEC. 74534. THIFENSULFURON-METHYL FORMULATIONS.

2 *Subchapter II of chapter 99 is amended by inserting*

3 *in numerical sequence the following new heading:*

“	9902.24.23	Formulations of methyl 3-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbamoylsulfamoyl]thiophene-2-carboxylate (Thifensulfuron-methyl) (CAS No. 79277-27-3) and application adjuvants (provided for in subheading 3808.93.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 SEC. 74535. HERBICIDE FOR FARM AND RANCH USE.

5 *Subchapter II of chapter 99 is amended by inserting*

6 *in numerical sequence the following new heading:*

“	9902.24.24	Formulations of (RS)-2-Chloro-N-(2-ethyl-6-methylphenyl)-N-(1-methoxypropan-2-yl)acetamide (S-metolachlor) (CAS No. 87392-12-9) and ammonium (2RS)-2-amino-4-(methylphosphinato)butyric acid (Glufosinate) (CAS No. 77182-82-2) (provided for in subheading 3808.93.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 SEC. 74536. PROPANIL FORMULATIONS.

8 *Subchapter II of chapter 99 is amended by inserting*

9 *in numerical sequence the following new heading:*

“	9902.24.25	Formulations of N-(3,4-dichlorophenyl)propanamide (Propanil) (CAS No. 709-98-8) (provided for in subheading 3808.93.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74537. THIFENSULFURON FORMULATIONS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.24.26	Formulations of 3-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbamoylsulfamoyl]thiophene-2-carboxylic acid (Thifensulfuron) (CAS No. 79277-67-1) and application adjuvants (provided for in subheading 3808.93.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74538. TOLPYRALATE AND NICOSULFURON HERBI-**
 5 **CIDES.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.24.27	Formulations of (RS)-1-(1-ethyl-4-[4-mesyl-3-(2-methoxyethoxy)-o-toluoyl]pyrazol-5-yloxy)ethyl methyl carbonate (Tolpyralate) (CAS No. 110132-67-5) and 2-[(4,6-dimethoxyppyrimidin-2-yl)carbamoylsulfamoyl]-N,N-dimethylpyridine-3-carboxamide (Nicosulfuron) (CAS No. 111991-09-4) (provided for in subheading 3808.93.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 74539. MIXTURES OF MAGNESIUM SALTS AND APPLICA-**
 9 **TION ADJUVANTS.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.24.28	Mixtures of magnesium dinitrate (CAS No. 10377-60-3), 5-chloro-2-methyl-1,2-thiazol-3-one (CAS No. 26172-55-4), 2-methyl-1,2-thiazol-3-one (CAS No. 2682-20-4), magnesium dichloride (CAS No. 7786-30-3), and application adjuvants (provided for in subheading 3808.94.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74540. NISIN FORMULATIONS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.24.29	Nisin preparations including 2.5 percent Nisin and 92 percent salt (CAS No. 1414-45-5) (provided for in subheading 3808.99.95)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74541. CERTAIN FIXATIVES.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.24.30	Dye fixative used in the textile industry containing benzenesulfonic acid, hydroxy-, sodium salt (1:1), polymer with formaldehyde and 4,4'-sulfonylbis(phenol) (CAS No. 71832-81-0) (provided for in subheading 3809.91.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74542. FUEL OIL ADDITIVES: COLD FLOW IMPROVERS**
 8 **CONTAINING POLY(ETHYLENE-CO-ETHENYL**
 9 **ACETATE).**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.24.31	Mixtures containing poly(ethylene-co-ethyl acetate) (CAS No. 24937-78-8) used as a cold flow improver for fuel oils (provided for in subheading 3811.90.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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12 **SEC. 74543. FUEL OIL ADDITIVES: COLD FLOW IMPROVERS**
 13 **CONTAINING FUMARATE VINYL ACETATE CO-**
 14 **POLYMER.**

15 *Subchapter II of chapter 99 is amended by inserting*
 16 *in numerical sequence the following new heading:*

“	9902.24.32	<i>Mixtures containing fumarate vinyl acetate co-polymer (CAS No. 68954-13-2) used as a cold flow improver for fuel oils (provided for in subheading 3811.90.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74544. CRUDE OIL ADDITIVES: COLD FLOW IMPROVERS**
 2 **CONTAINING FUMARATE VINYL ACETATE CO-**
 3 **POLYMER.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.24.33	<i>Mixtures containing fumarate vinyl acetate copolymer (CAS No. 68954-15-4 or 68954-14-3) used as a cold flow improver for crude oil (provided for in subheading 3811.90.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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6 **SEC. 74545. POUR POINT DEPRESSANTS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.24.34	<i>Mixtures containing hydrophobic acrylic polymer (CAS No. 27029-57-8) used as a pour point depressant for crude oil (provided for in subheading 3811.90.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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9 **SEC. 74546. FUEL OIL ADDITIVES: COLD FLOW IMPROVERS**
 10 **CONTAINING POLY (ETHYLENE-CO-ETHENYL**
 11 **ACETATE AND VINYL 2-ETHYL HEXANOATE).**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.24.35	<i>Mixtures containing poly (ethylene-co-ethenyl acetate and vinyl 2-ethyl hexanoate) (CAS No. 52856-75-4) used as a cold flow improver for fuel oil (provided for in subheading 3811.90.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74547. POLY(ISOBUTYLENE) HYDROFORMYLATION**
 2 **PRODUCTS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.24.36	Mixtures consisting of poly(isobutylene) hydroformylation products, reaction products with ammonia (CAS No. 337367-30-3), used in the production of gasoline detergent additive packages (provided for in subheading 3811.90.00)	5%	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 74548. INPUT FOR RUBBER PRODUCTS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.24.37	Mixtures of 3-(3,4-dichlorophenyl)-1,1-dimethylurea (CAS No. 330-54-1) with acrylate rubber (provided for in subheading 3812.10.10)	Free	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 74549. MIXTURES OF OLIGOMERS AS GENERAL ANTI-**
 9 **OXIDANTS FOR RUBBER TIRES.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.24.38	Mixtures of oligomers of 2,2,4-trimethyl-1,2-dihydroquinoline (CAS Nos. 147-47-7 and 26780-96-1) as general anti-oxidants for rubber tires (provided for in subheading 3812.31.00)	4.4%	No change	No change	On or before 12/31/2023 ... ”.
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12 **SEC. 74550. BENZENE, 2,4-DIISOCYANATO-1,3,5-TRIS(1-**
 13 **METHYLETHYL)-, HOMOPOLYMER.**

14 *Subchapter II of chapter 99 is amended by inserting*
 15 *in numerical sequence the following new heading:*

“	9902.24.39	<i>Benzene, 2,4-diisocyanato-1,3,5-tris(1-methylethyl)-, homopolymer (CAS No. 29963-44-8) (provided for in subheading 3812.39.60)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 74551. AROMATIC AMINE ANTIOXIDANTS.

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.24.40	<i>Aromatic amine liquid antioxidants for various polymers consisting of benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (CAS No. 68411-46-1) (provided for in subheading 3812.39.60)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 SEC. 74552. ANTIOXIDANT BLENDS.

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.24.41	<i>Antioxidant blends for polymers consisting of tetrakis(methylene (3, 5-di-<i>t</i>-butyl-4-hydroxyhydrocinnamate) methane (CAS No. 6683-19-8) and tris (2, 4-di-<i>t</i>-butylphenyl) phosphite (CAS No. 31570-04-4) (provided for in subheading 3812.39.60)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 SEC. 74553. ANTIOXIDANT BLENDS TO PROTECT POLYMERS.

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.24.42	<i>Antioxidant blends for polymers consisting of N, N'-hexamethylene bis[3-(3,5-di-<i>t</i>-butyl-4-hydroxyphenyl)propionamide] (CAS No. 23128-74-7) and tris (2, 4-di-<i>t</i>-butylphenyl) phosphite (CAS No. 31570-04-4) (provided for in subheading 3812.39.60)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74554. SYNTHETIC HYDROTALCITE COATED WITH**
 2 **FATTY ACID AND MAGNESIUM STEARATE.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.24.43	Polyvinyl chloride stabilizers consisting of magnesium aluminum hydroxide carbonate (synthetic hydrotalcite) (CAS No. 11097-59-9) coated with fatty acids (CAS No. 67701-03-5) and magnesium stearate (CAS No. 91031-63-9) (provided for in subheading 3812.39.90)	1.7%	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74555. SILICA SCORCH RETARDERS AND POLYMERIZA-**
 6 **TION INHIBITORS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.24.44	Mixtures of precipitated silica gel (CAS No. 112926-00-8) and (4-hydroxy-2,2,6,6-tetramethyl-1-piperidinyl)oxidanyl (CAS No. 2226-96-2) of a kind used as polymerization inhibitors (provided for in subheading 3812.39.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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9 **SEC. 74556. SYNTHETIC HYDROTALCITE.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.24.45	Magnesium aluminum hydroxide carbonate (synthetic hydrotalcite) (CAS No. 11097-59-9) coated with a vegetable-based (palm oil) stearic acid (provided for in subheading 3812.39.90)	1.6%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74557. LIGHT STABILIZERS FOR CONSTRUCTION PROD-**
 2 **UCTS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.24.46	<i>Hindered amine light stabilizers for polypropylene, polyvinyl chloride and other similar goods, the foregoing consisting of 1,6-hexanediamine, N,N'-bis(2,2,6,6-tetramethyl-4-piperidinyl)-, polymer with 2,4,6-trichloro-1,3,5-triazine, reaction products with N-butyl-1-butanamine and N-butyl-2,2,6,6-tetramethyl-4-piperidinamine (CAS No. 192268-64-7) (provided for in subheading 3812.39.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 74558. LIGHT STABILIZER FOR PLASTICS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.24.47	<i>Light stabilizer for plastics containing a mixture of (2,2,6,6-tetramethyl, 4-piperidinyl) polymer in 50 percent polypropylene (CAS No. 69447-45-8); 2,2,6,6-tetramethylpiperidin-4-yl) octadecanoate (CAS No. 167078-06-0) and 2,2,6,6-tetramethylpiperidin-4-ol (CAS No. 2403-88-5) (provided for in subheading 3812.39.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 74559. PREPARATIONS OF BIS(2,4-DICHLOROBENZOYL)**
 9 **PEROXIDE 50 PERCENT PASTE.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.24.48	<i>Preparations each used as an initiator (radical source) in the crosslinking of polymers consisting of bis(2,4-dichlorobenzoyl)peroxide (CAS No. 133-14-2) and silicone oil (provided for in subheading 3815.90.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74560. DISTILLED TALL OILS.**

2 *Subchapter II of chapter 99 is amended by inserting*

3 *in numerical sequence the following new heading:*

“	9902.24.49	<i>Distilled tall oils containing more than 2 percent by weight rosin (CAS No. 8002-26-4) (provided for in subheading 3823.13.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74561. PYRIDINE, ALKYL DERIVATIVES.**

5 *Subchapter II of chapter 99 is amended by inserting*

6 *in numerical sequence the following new heading:*

“	9902.24.50	<i>Pyridine, alkyl derivatives (CAS No. 68391-11-7) (provided for in subheading 3824.99.28)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 74562. POLYISOCYANATE CROSSLINKING AGENTS.**

8 *Subchapter II of chapter 99 is amended by inserting*

9 *in numerical sequence the following new heading:*

“	9902.24.51	<i>Polyisocyanate crosslinking agent tris(4-isocyanatophenoxy)-sulfanylidene-λ5-phosphane (CAS No. 4151-51-3) (provided for in subheading 3824.99.28)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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10 **SEC. 74563. BONDING AGENT MIXTURES.**

11 *Subchapter II of chapter 99 is amended by inserting*

12 *in numerical sequence the following new heading:*

“	9902.24.52	Mixture of phenol;propane-1-sulfonic acid (CAS No. 70775-94-9) and 1,3-diisocyanato-2-methylbenzene;2,4-diisocyanato-1-methylbenzene (CAS No. 31370-61-3) (provided for in subheading 3824.99.28)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74564. LIQUID, CHEMICALLY MODIFIED AMINE COM-**
2 **PLEX OF BORON TRIFLUORIDE.**

3 *Subchapter II of chapter 99 is amended by inserting*
4 *in numerical sequence the following new heading:*

“	9902.24.53	Liquid, chemically modified amine complex of (benzylamine)trifluoroboron (CAS No. 696-99-1) (provided for in subheading 3824.99.28)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74565. PHTHALOCYANINE DERIVATIVE.**

6 *Subchapter II of chapter 99 is amended by inserting*
7 *in numerical sequence the following new heading:*

“	9902.24.54	1-Octadecanaminium, N,N-dimethyl-N-octadecyl-, (Sp-4-2)-[29H,31H-phthalocyanine-2-sulfonato(3-)-κN29, κN30, κN31, κN32]cuprate(1-) (CAS No. 70750-63-9) (provided for in subheading 3824.99.28)	Free	No change	No change	On or before 12/31/2023 ...”.
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8 **SEC. 74566. MIXTURES OF COCAMIDOPROPYL BETAINE, GLY-**
9 **COL DISTEARATE, LAURETH-4, AND WATER.**

10 *Subchapter II of chapter 99 is amended by inserting*
11 *in numerical sequence the following new heading:*

“	9902.24.55	<i>Mixtures of 2-[3-(dodecanoylamino)propyl-dimethylazaniumyl]acetate (Cocamidopropyl betaine) (CAS No. 61789-40-0); fatty acids, C16-18, esters with ethylene glycol (glycol distearate) (CAS No. 91031-31-1); alcohols C12-14, ethoxylated (Laureth-4) (CAS No. 68439-50-9) and oxidane (water) (CAS No. 7732-18-5) (provided for in subheading 3824.99.41)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74567. MIXTURES OF TALL OIL MONO-, DI-, AND**
 2 **TRIGLYCERIDES.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.24.56	<i>Mixtures of tall oil mono-, di-, and triglycerides of a kind used for fuel additives (CAS No. 97722-02-6) (provided for in subheading 3824.99.41)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 74568. TALLOW-BIS(2-HYDROXYETHYL) AMINES.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.24.57	<i>Mixtures of fatty substances of animal origin containing 50 percent by weight of 2-(2-hydroxyethylamino)ethanol on a polyethylene carrier (provided for in subheading 3824.99.41)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 74569. ADDITIVE MIXTURES FOR METALWORKING**
 9 **FLUIDS.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.24.58	Additive mixtures for metal-working fluids of 2-[dimethyl(propyl)azaniumyl]ethyl-[2-[2-[2-[2-[2-[2-methoxyethyl(dimethyl)azaniumyl]ethyl]dimethylazaniumyl]ethoxy]ethyl]dimethylazaniumyl]ethyl-[2-[2-[2-[2-[2-methoxyethyl(dimethyl)azaniumyl]ethyl]dimethylazaniumyl]ethoxy]ethyl]dimethylazaniumyl]hexachloride (CAS No. 31075-24-8) (provided for in subheading 3824.99.55)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74570. NAPHTHENIC ACIDS.**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.24.59	Naphthenic acids composed of 3-(3-ethylcyclopentyl)propanoic acid (CAS No. 1338-24-5) having an acidic fraction greater than 70 percent (provided for in subheading 3824.99.75)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74571. HYDROXYTYROSOL POWDERS.**

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.24.60	Mixtures containing (2R,3S,4R,5R)-2,3,4,5,6-pentahydroxyhexanal (CAS No. 9050-36-6 (less than 90 percent by weight)) and 4-(2-hydroxyethyl)benzene-1,2-diol (CAS No. 10597-60-1 (less than 25 percent by weight)) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74572. SECONDARY ALCOHOL ETHOXYLATES.**

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.24.61	<i>Mixtures of C12–14-secondary ethoxylated alcohols with an average of less than 5 ethylene oxide monomer units (CAS No. 84133–50–6) (provided for in subheading 3824.99.92)</i>	2.8%	No change	No change	On or before 12/31/2023 ...”.
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1 SEC. 74573. ETHYLENE GLYCOL DIMERATE.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.24.62	<i>Mixtures containing fatty acid polymer of a kind used as fuel additives (fatty acids, C18-unsaturated, dimers, polymers with ethylene glycol) (CAS No. 68082–28–0) (provided for in subheading 3824.99.92)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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4 SEC. 74574. TWO-PART LIQUID SILICONE KITS.

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.24.63	<i>Two-part liquid silicone kits (parts A and B) containing 58 to 70 percent by weight aluminum oxide (CAS No. 1344–28–1) treated with tetrapropyl silicate (CAS No. 682–01–9), 10 to 20 percent by weight ethenyl-[ethenyl(dimethyl)silyl]oxydimethylsilane (CAS No. 68083–19–2), 5 to 15 percent by weight [dimethyl(trimethylsilyloxy)silyl]oxyethenyl-methyltrimethylsilyloxy silane (CAS No. 67762–94–1), 5 to 15 percent by weight iron oxide (CAS No. 1309–37–1), 1 to 3 percent by weight bis(dimethylsilyloxy)dimethylsilane (CAS No. 70900–21–9) and 1 to 3 percent by weight silica, [(ethenyldimethylsilyl)oxy]- and [(trimethylsilyl)oxy]-modified (CAS No. 68988–89–6) (provided for in subheading 3824.99.92)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74575. HYDROPHOBIC PRECIPITATED SILICA.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.24.64	Siloxanes and silicones, dimethyl, reaction products with silica (CAS No. 67762-90-7) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74576. SILANE, TRIMETHOXYOCTYL-, HYDROLYSIS**
 5 **PRODUCTS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.24.65	Dioxosilane; trimethoxy(octyl)silane (CAS No. 92797-60-9) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 74577. 1,1,1-TRIMETHYL-N-**
 9 **(TRIMETHYLSILYL)SILANAMINE HYDROLYSIS**
 10 **PRODUCTS.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.24.66	1,1,1-Trimethyl-N-(trimethylsilyl)silanamine hydrolysis products with silica and 3-(triethoxysilyl)-1-propanamine (CAS No. 199876-44-3) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023 ... ”.
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13 **SEC. 74578. WATERBORNE EPOXY CURING AGENTS.**

14 *Subchapter II of chapter 99 is amended by inserting*
 15 *in numerical sequence the following new heading:*

“	9902.24.67	Waterborne epoxy curing agents based on cycloaliphatic amine technology containing (3-aminimethyl-3,5,5-trimethylcyclohexylamine) (CAS No. 285513-2) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74579. PREPARATIONS BASED ON 1-PHENYLCOSANE-**
2 **1,3-DIONE.**

3 *Subchapter II of chapter 99 is amended by inserting*
4 *in numerical sequence the following new heading:*

“	9902.24.68	Preparations based on 1-phenylcosane-1,3-dione (CAS No. 58446-52-9) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74580. MIXTURES OF 2-MERCAPTOPROPIONIC ACID,**
6 **METHYL ESTER, O-ETHYL DITHIOCARBONATE.**

7 *Subchapter II of chapter 99 is amended by inserting*
8 *in numerical sequence the following new heading:*

“	9902.24.69	Mixtures of methyl 2-ethoxycarbothioisulfanylpropionate (CAS No. 351491-23-1); heptane (CAS No. 142-82-5) and methanedithione (CAS No. 75-15-0) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023 ...”.
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9 **SEC. 74581. EPOXY CURING AGENTS.**

10 *Subchapter II of chapter 99 is amended by inserting*
11 *in numerical sequence the following new heading:*

“	9902.24.70	Epoxy curing agent mixtures of linseed oil polymer with bisphenol A, bisphenol A diglycidyl ether, diethylenetriamine, formaldehyde, glycidyl phenyl ether and pentaethylenhexamine (CAS No. 68915-81-1) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74582. ALIPHATIC AMINE CURING AGENTS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.24.71	[3-(Aminomethyl)phenyl]methanamine (CAS No. 1477-55-0) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74583. NON-HALOGENATED FLAME RETARDANTS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.24.72	Non-halogenated flame retardants based on organic phosphinates aluminum, diethylphosphinate (CAS No. 225789-38-8) phosphonic acid, aluminum salt (3:2) (CAS No. 56287-23-1) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74584. LIGAPHOB N 90.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.24.73	Fatty acids, C16-18 and C18-unsaturated, sodium salts (CAS No. 68424-26-0) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74585. ORGANOMODIFIED SILOXANE.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.24.74	Mixtures of poly[oxy(methyl-1,2-ethanediyl)], α -butyl- ω -hydroxy- (CAS No. 9003-13-8); polysiloxanes, di-Me, hydroxy-terminated, ethoxylated propoxylated (CAS No. 64365-23-7); and oxirane, 2-methyl-, polymer with oxirane (CAS No. 9003-11-6) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74586. METHYL PALMITATE-STEARATE, HYDRO-**
 2 **GENATED.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.24.75	Fatty acids, C16-18, methyl esters (methyl palmitate-stearate, hydrogenated) (CAS No. 85586-21-6) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74587. OLFINE E1010.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.24.76	Mixtures of ethane-1,2-diol;2,4,7,9-tetramethyldec-5-yne-4,7-diol (CAS No. 9014-85-1) (provided for in subheading 3824.99.92)	1%	No change	No change	On or before 12/31/2023 ...”.
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8 **SEC. 74588. CERTAIN NON-HALOGENATED FLAME**
 9 **RETARDANTS.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.24.77	Non-halogenated flame retardants based on organic phosphinates aluminum;diethylphosphinate (CAS No. 225789-38-8) phosphoric acid;1,3,5-triazine-2,4,6-triamine (CAS No. 218768-84-4) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74589. FLAME RETARDANTS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.24.78	Non-halogenated flame retardant based on organic phosphinates aluminum; diethylphosphinate (CAS No. 225789-38-8) phosphoric acid; 1,3,5-triazine-2,4,6-triamine (CAS No. 218768-84-4) boron zinc oxide (CAS No. 12767-90-7) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74590. PREPARATIONS BASED ON ACETYL**
 5 **HEXAPEPTIDE-8 AND PENTAPEPTIDE-18.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.24.79	Mixtures of propane-1,2,3-triol (CAS No. 56-81-5); (4S)-4-acetamido-5-[[[(2S)-1-[[[(2S)-1-[[[(2S)-5-amino-1-[[[(2S)-1-[[[(2S)-1-amino-5-(diaminomethylidencamino)-1-oxopentan-2-yl]amino]-5-(diaminomethylidencamino)-1-oxopentan-2-yl]amino]-1,5-dioxopentan-2-yl]amino]-4-methylsulfanyl-1-oxobutan-2-yl]amino]-4-carboxy-1-oxobutan-2-yl]amino]-5-oxopentanoic acid (CAS No. 616204-22-9); L-tyrosyl-D-alanylglycyl-L-phenylalanyl-L-leucine (CAS No. 64963-01-5); 2-hydroxypropane-1,2,3-tricarboxylic acid hydrate (CAS No. 5949-29-1); octane-1,2-diol (CAS No. 1117-86-8) and water (CAS No. 7732-18-5) (provided for in subheading 3824.99.92)	Free	No change	No change	On or before 12/31/2023 ...”.
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8 **SEC. 74591. LITHIUM SILICON OXIDE.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.24.80	<i>Lithium poly-silicate (lithium silicon oxide) in dark gray powdered form (CAS No. 12627-14-4) (provided for in subheading 3824.99.92)</i>	3.9%	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74592. BRANCHED OLEFIN FROM PROPYLENE POLYM-**
 2 **ERIZATION.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.24.81	<i>Branched olefin from propylene polymerization (12-[(2S,3R)-3-oxyloxiran-2-yl]dodecanoic acid) (CAS No. 9003-07-0) (provided for in subheading 3902.10.00), the foregoing other than polypropylene in pellet form, containing 1 percent or more but not over 10 percent by weight of mineral filler (talc) and 10 percent or more but not over 30 percent by weight of carbon powder</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 74593. POLYPROPYLENE PELLETS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.24.82	<i>Polypropylene in pellet form, containing 1 percent or more but not over 10 percent by weight of mineral filler (talc) and 10 percent or more but not over 30 percent by weight of carbon powder (CAS No. 9003-07-0) (provided for in subheading 3902.10.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 74594. PROPYLENE-ETHYLENE COPOLYMER.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.24.83	<i>Poly(propylene-co-ethylene) (CAS No. 9010-79-1) (provided for in subheading 3902.30.00), the foregoing other than ethylene-propylene copolymers containing 50 to 75 percent by weight of propylene</i>	4.9%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74595. ETHYLENE-PROPYLENE COPOLYMERS.**

2 *Subchapter II of chapter 99 is amended by inserting*

3 *in numerical sequence the following new heading:*

“	9902.24.84	<i>Ethylene-propylene copolymers, containing 50 to 75 percent by weight of propylene (CAS No. 9010-79-1) (provided for in subheading 3902.30.00)</i>	3.3%	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74596. BENZENE ALKYLATED WITH POLYPROPYLENE.**

5 *Subchapter II of chapter 99 is amended by inserting*

6 *in numerical sequence the following new heading:*

“	9902.24.85	<i>Benzene, polypropylene derivatives (CAS No. 68081-77-6) (provided for in subheading 3902.90.00)</i>	1.3%	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74597. CHLORINATED POLYOLEFIN.**

8 *Subchapter II of chapter 99 is amended by inserting*

9 *in numerical sequence the following new heading:*

“	9902.24.86	<i>Chlorinated polyolefin (1-butene, polymer with ethene and 1-propene, chloro- and tetrahydro-2,5-dioxo-3-furanyl-terminated) (CAS No. 560096-07-3) (provided for in subheading 3902.90.00)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74598. ADSORBENT RESIN.**

11 *Subchapter II of chapter 99 is amended by inserting*

12 *in numerical sequence the following new heading:*

“	9902.24.87	Poly(divinylbenzene-co-ethylstyrene) (CAS No. 9043-77-0) (provided for in subheading 3903.90.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74599. VINYL CHLORIDE-HYDROXYPROPYL ACRYLATE**
2 **COPOLYMER.**

3 *Subchapter II of chapter 99 is amended by inserting*
4 *in numerical sequence the following new heading:*

“	9902.24.88	2-Hydroxypropyl prop-2-enoate (acrylate), oxiran-2-ylmethyl 2-methylprop-2-enoate (glycidyl methacrylate), vinyl chloride copolymer (CAS No. 164718-75-6) (provided for in subheading 3904.40.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 74600. VINYL CHLORIDE ETHYLENE COPOLYMER WITH**
6 **HYDROPHIC PROPERTIES.**

7 *Subchapter II of chapter 99 is amended by inserting*
8 *in numerical sequence the following new heading:*

“	9902.24.89	Mixtures containing by weight less than 70 percent of ethylene-vinyl chloride copolymer (CAS No. 25037-78-9) (provided for in subheading 3904.40.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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9 **SEC. 74601. FLUIDS WITH BOILING POINTS ABOVE 170 °C.**

10 *Subchapter II of chapter 99 is amended by inserting*
11 *in numerical sequence the following new heading:*

“	9902.24.90	1-Propene, 1,1,2,3,3,3-hexafluoro-, oxidized, polymerized (CAS 69991-67-9) (provided for in subheading 3904.69.50), with boiling point above 170 °C	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74602. FORMULATIONS OF FUNCTIONALIZED**
 2 **PERFLUOROPOLYETHER.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.24.91	<i>Ethene, 1,1,2,2-tetrafluoro-, oxidized, polymerized, reduced, fluorinated, ethyl esters, reduced (CAS No. 1573124-82-9) (provided for in subheading 3904.69.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 74603. PERFLUOROPOLYETHER-URETHANE ACRYLATE.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.24.92	<i>Perfluoropolyether-urethane acrylate (2-propenoic acid, 2-hydroxyethyl ester, reaction products with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane trimer and reduced Me esters of reduced polymerized, oxidized tetrafluoroethylene) (CAS No. 918664-08-1) present in a quantity comprising 60 percent or more but less than 70 percent by weight, the foregoing dissolved in 0.5 percent or more but less than 1 percent by weight of propan-2-ol (isopropyl alcohol) (CAS No. 67-63-0), 15 percent or more but less than 20 percent by weight of ethyl acetate (CAS No.141-78-6) and 10 percent or more but less than 15 percent by weight of butyl acetate (CAS No.123-86-4) (provided for in subheading 3904.69.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 74604. PVDF HOMOPOLYMER/PVDF/CTFE COPOLYMER**
 9 **MIXTURES.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.24.93	<i>Mixtures of ethene, 1,1-difluoro-, homopolymer (CAS No. 24937-79-9) and ethene, 1-chloro-1,2,2-trifluoro-, polymer with 1,1-difluoroethene (CAS No. 9010-75-7) (provided for in subheading 3904.69.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74605. CHEMICALLY MODIFIED PVDF.**

2 *Subchapter II of chapter 99 is amended by inserting*

3 *in numerical sequence the following new heading:*

“	9902.24.94	<i>Chemically modified ethene, 1,1-difluoro-, homopolymer (CAS No. 24937-79-9) (provided for in subheading 3904.69.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74606. FLUOROPOLYMER, FLUOROETHYLENE-ALKYL**

5 **VINYLETHER ALTERNATIVE COPOLYMERS.**

6 *Subchapter II of chapter 99 is amended by inserting*

7 *in numerical sequence the following new heading:*

“	9902.24.95	<i>Chlorotrifluoroethylene-cyclohexyl vinyl ether-hydroxybutyl vinyl ether copolymer in flake or powder form, having a glass transition temperature of 51 °C (CAS No. 89461-13-2) (provided for in subheading 3904.69.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 74607. COPOLYMER OF VINYL ACETATE AND HIGHER**

9 **VINYL ESTERS.**

10 *Subchapter II of chapter 99 is amended by inserting*

11 *in numerical sequence the following new heading:*

“	9902.24.96	<i>Mixtures containing 50 percent by weight poly(vinyl acetate-co-vinyl laurate) (CAS No. 26354-30-3) and 50 percent by weight bis(2-ethylhexyl) adipate (CAS No. 103-23-1) (provided for in subheading 3905.19.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74608. FOOD-GRADE VINYL ACETATE COPOLYMER.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.24.97	<i>Dodecanoic acid, ethenyl ester, polymer with ethenyl acetate (CAS No. 26354-30-3) (provided for in subheading 3905.19.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74609. VINYL CHLORIDE ETHYLENE WITH ENHANCED**
 5 **PROPERTIES.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.24.98	<i>Mixtures containing by weight less than 75 percent of ethylene-vinyl acetate-vinyl chloride copolymer (CAS No. 25085-46-5) (provided for in subheading 3905.29.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 74610. VINYL ACETATE ETHYLENE COPOLYMER WITH**
 9 **ENHANCED PROPERTIES.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.24.99	<i>Mixtures containing not more than 75 percent by weight of poly(ethylene-co-ethenyl acetate) (CAS No. 24937-78-8), other than in aqueous dispersion (provided for in subheading 3905.29.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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12 **SEC. 74611. FOOD-GRADE POLYVINYL ACETATE**
 13 **HOMOPOLYMERS.**

14 *Subchapter II of chapter 99 is amended by inserting*
 15 *in numerical sequence the following new heading:*

“	9902.25.01	<i>Dodecanoic acid, ethenyl ester, polymer with ethenyl acetate (CAS No. 26354-30-3) (provided for in subheading 3905.29.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74612. ACRYLIC ACID/VINYLSULPHONATE RANDOM CO-**
2 **POLYMERS.**

3 *Subchapter II of chapter 99 is amended by inserting*
4 *in numerical sequence the following new heading:*

“	9902.25.02	<i>Acrylic acid-sodium vinylsulfonate copolymers, sodium persulfate initiated, reaction product with tetrasodium vinylidene diphosphonic acid (CAS No. 397256-50-7) (provided for in subheading 3905.91.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 74613. POLY(METHYL METHACRYLATE) MICRO-**
6 **SPHERES.**

7 *Subchapter II of chapter 99 is amended by inserting*
8 *in numerical sequence the following new heading:*

“	9902.25.03	<i>Poly(methyl methacrylate) granular or spherical microspheres, each with mean particle size of 1 to 25 μm (CAS No. 9011-14-7) (provided for in subheading 3906.10.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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9 **SEC. 74614. METHYL METHACRYLATE CROSSPOLYMER**
10 **MICROSPHERES.**

11 *Subchapter II of chapter 99 is amended by inserting*
12 *in numerical sequence the following new heading:*

“	9902.25.04	Composites of methyl methacrylate crosspolymer (methyl 2-methylprop-2-enoate;2-(2-methylprop-2-enoyloxy)ethyl 2-methylprop-2-enoate) (CAS No. 25777-71-3), entirely spherical micro-spheres with mean particle size of 1 to 25 µm and containing 7 to 10 percent by weight of dicalcium phosphate (CAS No. 7757-93-9) (provided for in subheading 3906.10.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74615. STYRENE ACRYLATE COPOLYMER WITH EN-**
 2 **HANCED PROPERTIES.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.25.05	Mixtures containing less than 65 percent by weight of butyl prop-2-enoate;styrene (CAS No. 25767-47-9) (provided for in subheading 3906.90.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74616. COPOLYMER FOR DENTAL USE.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.25.06	Reacted copolymer of itaconic and acrylic acids, containing by weight over 90 percent 2-propenoic acid polymer with methylenebutanedioic acid, and also containing ethyl acetate and tetrahydrofuran (CAS No. 25948-33-8) (provided for in subheading 3906.90.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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8 **SEC. 74617. VINYL PHOSPHONIC ACID, ACRYLIC ACID CO-**
 9 **POLYMER, 20 PERCENT SOLUTION IN WATER.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.25.07	2-Propenoic acid, polymer with p-ethenylphosphonic acid, 20 percent solution in water (CAS No. 27936-88-5) (provided for in subheading 3906.90.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 SEC. 74618. POLYACRYLATE 33.

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.25.08	Mixtures of polyacrylate 33 (methyl methacrylate, polymers with ethyl acrylate, polyethylene glycol methacrylate C16-22-alkyl ethers and polyethylene-polypropylene glycol methacrylate 2-(6,6-dimethylbicyclo[3.1.1]hept-2-en-2-yl)ethyl ether) (CAS No. 1204525-16-5) and alcohols, C10-16, ethoxylated, sulfates, ammonium salts (CAS No. 67762-19-0) (provided for in subheading 3906.90.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 SEC. 74619. AA/AMPS COPOLYMER.

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.25.09	Acrylic acid-2-acrylamide-2-methyl propanesulfonic acid copolymer (prop-2-enoic acid;2-(prop-2-enoylamino)butane-2-sulfonic acid) (CAS No. 40623-75-4) in granule form, with a particle size between 250 and 850 μm (provided for in subheading 3906.90.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 SEC. 74620. FLOCCULANT DRY POLYACRYLAMIDES.

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.25.10	Flocculant dry polyacrylamides (prop-2-enamide) (CAS No. 9003-05-8) (provided for in subheading 3906.90.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74621. SORBITOL, PROPYLENE OXIDE, ETHYLENE**
 2 **OXIDE POLYMER.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.25.11	Oxirane, 2-methyl-, polymer with oxirane, ether with D-glucitol (6:1) (CAS No. 56449-05-9) (provided for in subheading 3907.20.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74622. TRIMETHOXYSILYLPROPYLCARBAMATE-TERMI-**
 6 **NATED POLYETHER.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.25.12	Poly[oxy(methyl-1,2-ethanediy)], α -(((3-(trimethoxysilyl)propyl)amino)carbonyl)- ω -(((3-(trimethoxysilyl)propyl)amino)carbonyl)oxy)- (CAS No. 216597-12-5) (provided for in subheading 3907.20.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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9 **SEC. 74623.**

10 **DIMETHOXY(METHYL)**
 11 **SILYLMETHYLCARBAMATE-TERMINATED**
 12 **POLYETHER.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.25.13	Poly(oxy(methyl-1,2-ethanediy)), α -(((dimethoxymethylsilyl)methyl)amino)carbonyl)- ω -(((dimethoxymethylsilyl)methyl)amino)carbonyl)oxy)- (CAS No. 611222-18-5) (provided for in subheading 3907.20.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74624. CURING AGENT IS USED IN TWO- OR THREE-**
 2 **PARTS EPOXY SYSTEMS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.25.14	Polyoxypropylen glycol diamine ((3S,4S)-pyrrolidine-3,4-diol) (CAS No. 9046-10-0) (provided for in subheading 3907.20.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74625. POLYETHYLENE GLYCOL 450.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.25.15	Poly(oxy-1,2-ethandiyl), α -hydro- ω -hydroxy-ethane-1,2-diol, ethoxylated, PEG 450 (CAS No. 25322-68-3) (provided for in subheading 3907.20.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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8 **SEC. 74626. MEDICINAL INTERMEDIATE FOR INVESTIGA-**
 9 **TIONAL USE.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.25.16	Poly(oxy-1,2-ethandiyl), α -[[[2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]- ω -[[[2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]oxy-(di-NHS PEG40K) (CAS No. 122375-06-8) (provided for in subheading 3907.20.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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12 **SEC. 74627. PEGCETACOPLAN.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.25.17	Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy-, 15,15'-diester with N-acetyl-L-isoleucyl-L-cysteinyl-L-valyl-L-methyl-L-tryptophyl-L-glutaminy-L- α -aspartyl-L-tryptophylglycyl-L-alanyl-L-histidyl-L-arginyl-L-cysteinyl-L-threonyl-2-[2-(2-aminoethoxy)ethoxy]acetyl-N ⁶ -carboxy-L-lysine cyclic (2 \rightarrow 12)-(disulfide) (Pegcetacoplan) (CAS No. 2019171-69-6) (provided for in subheading 3907.20.00)	5.9%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74628. AQUEOUS SOLUTIONS OF CARBOXYLIC ACID-CO-**
 2 **POLYMER-SALT IN WATER.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.25.18	Aqueous solutions containing by weight more than 35 percent of 2,5-furandione, polymer with α -[4-(ethenyl)oxy]butyl]- ω -hydroxypoly(oxy-1,2-ethanediyl), sodium salt (CAS No. 250591-55-0) (provided for in subheading 3907.20.00)	3%	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74629. AQUEOUS SOLUTIONS OF A MODIFIED POLYMER**
 6 **BEARING HYDROPHILIC AND HYDROPHOBIC**
 7 **GROUPS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.25.19	Aqueous solutions containing by weight more than 40 percent of 2,5-furandione, polymer with ethenylbenzene, hydrolyzed, 3-(dimethylamino)propyl imide, imide with polyethylene-polypropylene glycol 2-aminopropyl me ether, 2,2'-(1,2-diazenediyl)bis(2-methylbutanenitrile)-initiated (CAS No. 1062609-13-5) (provided for in subheading 3907.20.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74630. DIMETHYLAMINE/EPICHLOROHYDRIN/ETHYL-**
 2 **ENEDIAMINE COPOLYMER.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.25.20	1,2-Ethanediamine, polymer with 2-(chloromethyl)oxirane and N-methylmethanamine (CAS No. 42751-79-1) (provided for in subheading 3907.30.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74631. LINEAR HYDROXYL-TERMINATED ALIPHATIC**
 6 **POLYCARB DIOL.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.25.21	Poly(dimethyl carbonate-co-1,6-hexanediol) (CAS No. 101325-00-2) (provided for in subheading 3907.40.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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9 **SEC. 74632. SHORT HOLLOW PET FIBERS.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.25.22	Hollow fibers of poly(ethylene terephthalate) (CAS No. 25038-59-9), having a viscosity number of 78 ml/g or higher, each fiber measuring 0.5 mm or more but not more than 5 mm in length (provided for in subheading 3907.61.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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12 **SEC. 74633. POLYTETRAHYDROFURAN.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.25.23	Polytetrahydrofuran (CAS No. 25190-06-1) (provided for in subheading 3907.99.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74634. CRYSTALLINE POLYESTERS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.25.24	1,4-Benzenedicarboxylic acid, 1,4-dimethyl ester, polymer with 1,4-butanediol and α -hydro- ω -hydroxypoly(oxy-1,4-butanediyl) (CAS No. 9078-71-1) (provided for in subheading 3907.99.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74635. LIQUID CRYSTAL POLYMERS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.25.25	1,4-Benzenedicarboxylic acid, polymer with 1,4-butanediol and α -hydro- ω -hydroxypoly(oxy-1,4-butanediyl) (CAS No. 37282-12-5) (provided for in subheading 3907.99.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74636. BRANCHED POLYESTERS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.25.26	1,3-Benzenedicarboxylic acid, polymer with 1,3-dihydro-1,3-dioxo-5-isobenzofuranicarboxylic acid, 1,4-dimethyl 1,4-benzenedicarboxylate, 2,2-dimethyl-1,3-propanediol and 1,2-ethanediol (CAS No. 207346-22-3) (provided for in subheading 3907.99.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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10 **SEC. 74637. HIGH MOLECULAR WEIGHT CO-POLYESTER.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.25.27	1,4-Benzenedicarboxylic acid, 1,4-dimethyl ester, polymer with 1,4-butanediol and tricyclodecanedimethanol (CAS No. 490017-22-6) (provided for in subheading 3907.99.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74638. HIGH MOLECULAR WEIGHT CO-POLYESTER.**

2 *Subchapter II of chapter 99 is amended by inserting*

3 *in numerical sequence the following new heading:*

“	9902.25.28	1,3-Benzenedicarboxylic acid polymer with 1,4-benzenedicarboxylic acid, dimethyl ester, 1,4-cyclohexanedimethanol, 2,2-dimethyl-1,3-propanediol and 1,2-ethanediol (CAS No. 74239-60-4) (provided for in subheading 3907.99.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74639. POLYESTER-POLYAMIDE DISPERSANTS.**

5 *Subchapter II of chapter 99 is amended by inserting*

6 *in numerical sequence the following new heading:*

“	9902.25.29	Dodecanoic acid, reaction products with ethylenimine-2-oxepanone polymer (CAS No. 132434-99-2) (provided for in subheading 3907.99.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74640. NYLON-12 MICRO-SPHERES.**

8 *Subchapter II of chapter 99 is amended by inserting*

9 *in numerical sequence the following new heading:*

“	9902.25.30	Nylon-12, entirely spherical micro-spheres with mean particle size of 1 to 25 μm (CAS No. 24937-16-4) (provided for in subheading 3908.10.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74641. SHORT NYLON-66 FIBERS.**

11 *Subchapter II of chapter 99 is amended by inserting*

12 *in numerical sequence the following new heading:*

“	9902.25.31	Nylon 66 (CAS No. 32131-17-2) fiber, measuring 3.3 decitex or more but not more than 22.2 decitex and having a fiber length each measuring 0.5 mm or more but not over 2 mm (provided for in subheading 3908.10.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 SEC. 74642. SHORT NYLON 6 FIBERS, COLORED.

2 *Subchapter II of chapter 99 is amended by inserting*

3 *in numerical sequence the following new heading:*

“	9902.25.32	Nylon 6 (CAS No. 25038-54-4) fibers, colored with pigments, measuring approximately 5.5 or more but not more than 22.2 decitex and having a fiber length each measuring 1 mm or more but not over 5 mm (provided for in subheading 3908.10.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 SEC. 74643. SHORT TRIANGULAR NYLON 6 FIBERS.

5 *Subchapter II of chapter 99 is amended by inserting*

6 *in numerical sequence the following new heading:*

“	9902.25.33	Triangular nylon 6 (CAS No. 25038-54-4) fibers, measuring 2 or more but not more than 5 decitex and having a fiber length each measuring 0.5 mm or more but not over 2 mm (provided for in subheading 3908.10.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 SEC. 74644. SHORT STAR-SHAPED NYLON 6 FIBERS.

8 *Subchapter II of chapter 99 is amended by inserting*

9 *in numerical sequence the following new heading:*

“	9902.25.34	Star-shaped nylon 6 (CAS No. 25038-54-4) fibers, measuring 50 or more but not more than 200 decitex and having a fiber length each measuring 0.5 mm or more but not over 5 mm (provided for in subheading 3908.10.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74645. SHORT HEART-SHAPED NYLON 6 FIBERS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.25.35	<i>Heart-shaped nylon 6 (CAS No. 25038-54-4) fibers, measuring 150 decitex and having a fiber length each measuring 0.5 mm or more but not over 2 mm (provided for in subheading 3908.10.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74646. PA510 POLYMER COMPOUNDS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.25.36	<i>Mixtures containing poly(imino-1,5-pentanediyylimino(1,10-dioxo-1,10-decanediyl)) PA510 (CAS No. 105063-19-2) (provided for in subheading 3908.90.70)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 74647. MXD6 POLYMER COMPOUNDS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.25.37	<i>Compounds in which hexanedioic acid, polymer with 1,3-benzenedimethanamine (MXD6) (CAS No. 25728-70-1) is the predominant polymer resin (provided for in subheading 3908.90.70)</i>	<i>2.2%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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10 **SEC. 74648. PA10T POLYMER COMPOUNDS.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.25.38	Compounds in which poly(iminocarbonyl-1,4-phenylenecarbonylimino-1,10-decanediyl) (PA10T) (CAS No. 24938-74-7) is the predominant polymer resin (provided for in subheading 3908.90.70)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 SEC. 74649. PA10T/10I POLYMER COMPOUNDS.

2 *Subchapter II of chapter 99 is amended by inserting*

3 *in numerical sequence the following new heading:*

“	9902.25.39	Compounds in which poly(iminocarbonyl-1,4-phenylenecarbonylimino-1,10-decanediyl)-co-(iminocarbonyl-1,3-phenylenecarbonylimino-1,10-decanediyl) (PA10T/10I) (CAS No. 106413-15-4) is the predominant polymer resin (provided for in subheading 3908.90.70)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 SEC. 74650. POLYURETHANE AQUEOUS RESINS.

5 *Subchapter II of chapter 99 is amended by inserting*

6 *in numerical sequence the following new heading:*

“	9902.25.40	Butane-1,4-diol;1,6-diisocyanatoheptanehexanedioic acid;5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane (CAS No. 107934-19-0) (provided for in subheading 3909.50.20)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 SEC. 74651. AQUEOUS RESIN.

8 *Subchapter II of chapter 99 is amended by inserting*

9 *in numerical sequence the following new heading:*

“	9902.25.41	Hexanedioic acid, polymer with 1,4-butanediol, 1,6-diisocyanatoheptane, 1,6-hexanediol and 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane (CAS No. 153640-62-1) (provided for in subheading 3909.50.20)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74652. ALIPHATIC POLYISOCYANATE.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.25.42	1,2,3-Propanetriol, polymer with 2,4-diisocyanato-1-methylbenzene, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol, methyloxirane and oxirane (CAS No. 127821-00-5) (provided for in subheading 3909.50.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74653. IPDI AND HDI BASED ALIPHATIC**
 5 **POLYISOCYANATE.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.25.43	Poly[oxy(methyl-1,2-ethanediyl)], α -hydro- ω -hydroxy-, polymer with 1,6-diisocyanatohexane (CAS No. 9048-90-2) and cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-, (CAS No. 53880-05-0) (provided for in subheading 3909.50.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 74654. HDI/TRIMETHYLOL HEXYLLACTONE**
 9 **CROSSPOLYMER MICRO-SPHERES.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.25.44	Hexamethylene diisocyanate (HDI)/trimethylol hexyllactone crosspolymer (1,6-diisocyanatohexane;2-ethyl-2-(hydroxymethyl)propane-1,3-diol;oxepan-2-one) (CAS No. 129757-76-2), entirely spherical micro-spheres with mean particle size of 1 to 25 μ m and coated with 1 to 3 percent by weight of silica (CAS No. 7631-86-9) (provided for in subheading 3909.50.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74655. HDI/PPG/POLYCAPROLACTONE CROSSPOLYMER**2 **MICRO-SPHERES.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.25.45	2-Oxepanone, polymer with 1,6-diisocyanatoheptane, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol and α -hydro- ω -hydroxy[poly[oxy(methyl-1,2-ethanediy)]] ether with D-glucitol (6:1) (CAS No. 302791-95-3), entirely spherical micro-spheres with mean particle size of 3 to 25 μm (provided for in subheading 3909.50.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 74656. AROMATIC ISOCYANATE PREPOLYMER.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.25.46	Isocyanic acid, polymethylenepolyphenylene ester, polymer with 2-methyloxirane and oxirane (CAS No. 67423-05-6) (provided for in subheading 3909.50.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 74657. BLOCKED POLYISOCYANATE CONTAINING SOL-**9 **VENT.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.25.47	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,3-diisocyanatomethylbenzene, 1,1'-methylenebis[4-isocyanatobenzene], 2-methyloxirane and 2-methyloxirane polymer with oxirane ether with 1,2,3-propanetriol (3:1), Me Et ketone oxime-blocked (CAS No. 1334421-42-9) (provided for in subheading 3909.50.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74658. POLYISOCYANATE ADDUCT FOR POWDER COAT-**
 2 **INGS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.25.48	1,3-Bis((5-isocyanato-1,3,3-trimethylcyclohexyl)methyl)-1,3-diazetidine-2,4-dione;butane-1,4-diol (CAS No. 72828-34-3) (provided for in subheading 3909.50.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 74659. BLOCKED POLYISOCYANATE FOR USE IN CAN**
 6 **AND COIL APPLICATIONS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.25.49	Isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane (Isophorone diisocyanate), homopolymer, methyl ethyl ketone oxime-blocked (CAS No. 103170-26-9) (provided for in subheading 3909.50.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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9 **SEC. 74660. POLYDIMETHYLSILOXANE.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.25.50	Polydimethylsiloxane (Dimethyl-bis(trimethylsilyloxy)silane) (CAS No. 63148-62-9) (provided for in heading 3910.00.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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12 **SEC. 74661. SILICONE RESINS.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.25.51	<i>Siloxanes and silicones, di-Me, polymers with Me PH silsesquioxanes (CAS No. 68440-81-3) (provided for in heading 3910.00.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74662. METHOXYFUNCTIONAL METHYL-PHENYL**
2 **POLYSILOXANE.**

3 *Subchapter II of chapter 99 is amended by inserting*
4 *in numerical sequence the following new heading:*

“	9902.25.52	<i>Siloxanes and silicones, di-Me, polymers with PH silsesquioxanes, butoxy- and methoxy-terminated (CAS No. 104780-72-5) (provided for in heading 3910.00.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 74663. HYDROGENPOLYSILOXANE.**

6 *Subchapter II of chapter 99 is amended by inserting*
7 *in numerical sequence the following new heading:*

“	9902.25.53	<i>Dimethyl-[methyl(trimethylsilyloxy)silyloxy-trimethylsilyloxysilane (CAS No. 68037-59-2) (provided for in heading 3910.00.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 74664. METHYL SILICONE RESINS.**

9 *Subchapter II of chapter 99 is amended by inserting*
10 *in numerical sequence the following new heading:*

“	9902.25.54	<i>Siloxanes and silicones, di-Me, polymers with Me silsesquioxanes, ethoxy-terminated (CAS No. 68554-66-5) (provided for in heading 3910.00.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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11 **SEC. 74665. TRIMETHYLSILOXYSILICATE.**

12 *Subchapter II of chapter 99 is amended by inserting*
13 *in numerical sequence the following new heading:*

“	9902.25.55	Trihydroxy(trimethylsilyloxy)silane (CAS No. 56275-01-5) (provided for in heading 3910.00.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74666. EPOXY FUNCTIONAL POLYDIMETHYLSILOXANE.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.25.56	Methoxy-methyl-[3-[3-(oxiran-2-yl)propoxy]propyl]-trimethylsilyloxy)silane (CAS No. 68440-71-1) (provided for in heading 3910.00.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74667. POLYMETHYLHYDROGENSILOXANE.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.25.57	Poly(methylhydrosiloxane) (CAS No. 63148-57-2) (provided for in heading 3910.00.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74668. VINYL TERMINATED SILOXANES.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.25.58	Siloxanes and silicones, di-Me, vinyl group-terminated (ethyl-[ethyl(dimethyl)silyloxy]dimethylsilane) (CAS No. 68083-19-2) (provided for in heading 3910.00.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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10 **SEC. 74669. SILICONE HYBRID RESIN (SOLVENT FREE).**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.25.59	<i>Mixtures containing 85 percent or more by weight of silsesquioxanes, Me Ph, methoxy-terminated, polymers with epichlorohydrin, 4,4'-(1-methylethylidene)bis[cyclohexanol] and trimethyl (CAS No. 349656-42-4) and 10 percent or less by weight cyclohexanol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane (CAS No. 30583-72-3) (provided for in heading 3910.00.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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1 **SEC. 74670. HYDROGENATED POLYCYCLOPENTADIENE**
2 **RESIN.**

3 *Subchapter II of chapter 99 is amended by inserting*
4 *in numerical sequence the following new heading:*

“	9902.25.60	<i>Hydrogenated polycyclopentadiene resin (1,3-Cyclopentadiene homopolymer, hydrogenated) (CAS No. 68132-00-3) (provided for in subheading 3911.10.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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5 **SEC. 74671. WATER DISPERSABLE HDI BASED**
6 **POLYISOCYANATE.**

7 *Subchapter II of chapter 99 is amended by inserting*
8 *in numerical sequence the following new heading:*

“	9902.25.61	<i>Hexane,1,6-diisocyanato-, homopolymer (CAS No. 28182-81-2) and cyclohexane,5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-,homopolymer (CAS No. 53880-05-0) (provided for in subheading 3911.90.25)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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1 **SEC. 74672. CYANATE ESTER RESINS FOR HIGH-END ELEC-**
 2 **TRONIC, AEROSPACE, AND INDUSTRIAL AP-**
 3 **PLICATIONS.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.25.62	Cyanic acid, C,C'-[(1-methylethylidene)di-4,1-phenylene] ester, homopolymer (CAS No. 25722-66-1) (provided for in subheading 3911.90.45)	Free	No change	No change	On or before 12/31/2023 ... ”.
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6 **SEC. 74673. POLYETHYLENEIMINE, COMPONENT USED IN**
 7 **MANUFACTURING MEDICAL DEVICES.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.25.63	Polyethylenimine (CAS No. 9002-98-6), of a kind used as a component for further manufacturing into a finished medical device (provided for in subheading 3911.90.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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10 **SEC. 74674. POLYHEXANIDE.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.25.64	Poly (hexamethylenebiguanide) hydrochloride (Polyhexanide) (CAS No. 32289-58-0) (provided for in subheading 3911.90.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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13 **SEC. 74675. ETHYLENE-NORBORNENE COPOLYMER.**

14 *Subchapter II of chapter 99 is amended by inserting*
 15 *in numerical sequence the following new heading:*

“	9902.25.65	<i>Poly(ethylene-ran-(2-norbornene)), substantially amorphous, having a glass transition temperature less than 145 °C (CAS No. 26007-43-2) (provided for in subheading 3911.90.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 74676. CELLULOSE POWDER.

2 *Subchapter II of chapter 99 is amended by inserting*

3 *in numerical sequence the following new heading:*

“	9902.25.66	<i>Cellulose entirely spherical micro-spheres, each with mean particle size of 1 to 25 μm (CAS No. 9004-34-6) (provided for in subheading 3912.90.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 SEC. 74677. POLYMALTOTRIOSE.

5 *Subchapter II of chapter 99 is amended by inserting*

6 *in numerical sequence the following new heading:*

“	9902.25.67	<i>Poly[6)-α-D-glucopyranosyl-(1->4)-α-D-glucopyranosyl-(1->4)-α-D-glucopyranosyl-(1->)] (Polymaltotriose) (CAS No. 9057-02-7) (provided for in subheading 3913.90.20)</i>	<i>1.3%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 SEC. 74678. CHITOSAN.

8 *Subchapter II of chapter 99 is amended by inserting*

9 *in numerical sequence the following new heading:*

“	9902.25.68	<p><i>Chitosan (methyl N-[(2S,3R,4R,5S,6R)-5-[(2S,3R,4R,5S,6R)-3-amino-5-[(2S,3R,4R,5S,6R)-3-amino-5-[(2S,3R,4R,5S,6R)-3-amino-5-[(2S,3R,4R,5S,6R)-3-amino-4,5-dihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-4-hydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-4-hydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-4-hydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-4-hydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-2-[(2R,3S,4R,5R,6S)-5-amino-6-[(2R,3S,4R,5R,6R)-5-amino-4,6-dihydroxy-2-(hydroxymethyl)oxan-3-yl]oxy-4-hydroxy-2-(hydroxymethyl)oxan-3-yl]oxy-4-hydroxy-6-(hydroxymethyl)oxan-3-yl]carbamate) (CAS No. 9012-76-4) (provided for in subheading 3913.90.20)</i></p>	Free	No change	No change	On or before 12/31/2023 ...”.
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1 SEC. 74679. PLASTIC DRINKING STRAWS.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.25.69	<p><i>Drinking straws of plastics, each measuring 8 mm or more in outside diameter and 20 cm or more in length (provided for in subheading 3917.32.00)</i></p>	Free	No change	No change	On or before 12/31/2023 ...”.
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4 SEC. 74680. GARDEN HOSES.

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.25.70	<p><i>Garden hoses of plastics, constructed with a grade 304 stainless steel interlocking spiral band outer shell, flexible polyvinyl chloride (PVC) inner hose, having aluminum fittings with rubber grips, weighing not more than 2.8 kg, the foregoing whether or not presented with nozzle (provided for in subheading 3917.39.00)</i></p>	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74681. PLASTIC FITTINGS OF PERFLUOROALKOXY.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.25.71	Plastic fittings of perfluoroalkoxy (PFA), of a kind used principally with machines and apparatus for the manufacture of semiconductors and flat panel displays of heading 8486 (provided for in subheading 3917.40.00, 3926.90.99 or 3923.50.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74682. LOW DENSITY POLYETHYLENE (LDPE) SHEET-**
 5 **ING.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.25.72	Low density sheeting of polyethylene, measuring in width 3,810 mm, gauge 0.15 mm and length 2,000 meters, translucent solid with waxy color as presented (provided for in subheading 3920.10.00)	3.1%	No change	No change	On or before 12/31/2023 ...”.
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8 **SEC. 74683. BIAXIALLY ORIENTED DIELECTRIC POLY-**
 9 **PROPYLENE FILM.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.25.73	Biaxially oriented dielectric polypropylene film, produced from solvent-washed low ash content (less than 50 ppm) polymer resin (CAS No. 9003-07-0) (provided for in subheading 3920.20.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74684. BIAXIALLY ORIENTED POLYPROPYLENE (BOPP)**2 **CAPACITOR-GRADE FILM.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.25.74	Transparent coextruded biaxially oriented polypropylene film, capacitor-grade, presented in rolls of a width not exceeding 790 mm and of a thickness not exceeding 15 μm (provided for in subheading 3920.20.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 74685. POLYESTER CAPACITOR-GRADE FILM.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.25.75	Transparent coextruded biaxially oriented polyester film, capacitor-grade, presented in roll form, of a width not exceeding 790 mm and of a thickness not exceeding 15 μm (provided for in subheading 3920.62.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 74686. ACID FORM MEMBRANES.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.25.76	Membranes of short side chain (Poly(tetrafluoroethylene-co-perfluoro(3-oxa-4-pentenesulfonic acid)) (CAS No. 1163733-25-2) (provided for in subheading 3920.99.20)	4.1%	No change	No change	On or before 12/31/2023 ... ”.
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11 **SEC. 74687. MELAMINE RESIN FOAM.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.25.77	<i>Foam of thermoset melamine resin, measuring 1,250 mm or more in width, 500 mm in height and 1,300 mm or more but not more than 3,100 mm in length, with a density not less than 4 and not more than 11 kg/m³ per EN ISO 845 specimen size 250 mm³ (provided for in subheading 3921.19.00)</i>	5.4%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74688. INFANT BATHTUBS AND BASINS, OF PLASTICS.**

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.25.78	<i>Infant bathtubs and wash-basins of plastics, each measuring not over 70 cm in length, 48 cm in width and 29 cm in height (provided for in subheading 3922.10.00)</i>	3.4%	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74689. BOXES, CASES, CRATES, AND SIMILAR ARTICLES**
5 **OF PLASTICS.**

6 *Subchapter II of chapter 99 is amended by inserting*
7 *in numerical sequence the following new heading:*

“	9902.25.79	<i>Boxes, cases, crates and similar articles of plastics (provided for in subheading 3923.10.90), the foregoing specially shaped or fitted for the conveyance of lithography machines, apparatus or parts thereof for the manufacture of semiconductor devices or of electronic integrated circuits of subheading 8486.20.00 or 8486.90.00</i>	Free	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 74690. NOZZLES, BLACK, OF POLYPROPYLENE.**

9 *Subchapter II of chapter 99 is amended by inserting*
10 *in numerical sequence the following new heading:*

1 **SEC. 74694. TOY CHARACTER BOTTLE TOPPERS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.25.84	<i>Three-dimensional (3D) toy character bottle toppers of plastics, each consisting of a threaded bottle cap, a straw-like sipper and a 3D children’s toy character from children’s movies or television programs, having a diameter of at least 32 mm (provided for in subheading 3923.50.00)</i>	2.8%	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74695. MELAMINE PLATTERS, OTHER THAN THOSE**
 5 **PRESENTED IN SETS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.25.85	<i>Melamine platters, other than those presented in sets (provided for in subheading 3924.10.20)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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8 **SEC. 74696. MELAMINE PLATES, OTHER THAN THOSE PRE-**
 9 **SENTED IN SETS.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.25.86	<i>Melamine plates, other than those presented in sets (provided for in subheading 3924.10.20)</i>	0.8%	No change	No change	On or before 12/31/2023 ...”.
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12 **SEC. 74697. MELAMINE BOWLS NOT PRESENTED IN SETS.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.25.87	<i>Melamine bowls, not presented in sets (provided for in subheading 3924.10.20)</i>	0.8%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74698. MELAMINE TRAYS NOT PRESENTED IN SETS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.25.88	<i>Melamine trays, the foregoing other than those presented in sets (provided for in subheading 3924.10.30)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74699. PLASTIC MEASURING CUPS AND SPOONS IN**
 5 **SETS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.25.89	<i>Measuring cups, spoons, or combinations thereof, the foregoing of plastics, designed for table or kitchen use to measure ingredients, such goods presented in sets each containing from 4 to 12 pieces (provided for in subheading 3924.10.40)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 74700. LIQUID MEASURING CUPS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.25.90	<i>Household kitchen measuring tools, of plastics, designed to be used for liquid ingredients, such goods with measuring size not exceeding 1 liter (provided for in subheading 3924.10.40)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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11 **SEC. 74701. SELF-ANCHORING BEVERAGE CONTAINERS.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.25.91	<i>Self-anchoring beverage containers of plastics, each with a base made from orange silicone, such base measuring no more than 60.4 mm (provided for in subheading 3924.10.40)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 74702. PVC INFANT BATHTUB MATS.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.25.92	<i>Polyvinylchloride (PVC) infant bathtub mats, whale-shaped, each with non-slip surface, drainage-allowing perforations and suction cups on the bottom surface, of a length less than 76.2 cm and not over 39.4 cm in width (provided for in subheading 3924.90.10)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 SEC. 74703. REVERSIBLE PLAYMATS.

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.25.93	<i>Printed, cushioned mats, each with core of polyurethane foam and outer layer of thermoplastic polyurethane film, measuring approximately 218.4 cm by 132.1 cm and 11.5 mm in thickness when unrolled (provided for in subheading 3924.90.10)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 SEC. 74704. CRAFT MATS.

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.25.94	<i>Craft mats of plastics, made of self-healing polyvinyl chloride designed to protect work surfaces and to withstand multiple cuts and scoring while providing linear and angular dimensioning guidelines for cutting projects (provided for in subheading 3924.90.56)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74705. HANGERS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.25.95	<i>Molded plastic hangers of a width not exceeding 6.35 mm, coated or covered with a velvet-like, textile flocking material and incorporating a metal hook (provided for in subheading 3924.90.56)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74706. INFANT BATH RINSING CUPS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.25.96	<i>Infant bath rinsing cups, of polypropylene plastics, each with interior fins and with a soft thermoplastic rubber lip designed to keep water from infant's forehead; not containing bisphenol A (BPA), polyvinyl chloride (PVC) and phthalate (provided for in subheading 3924.90.56)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 74707. BATHTUB SPOUT COVERS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.25.97	<i>Whale-shaped adjustable bathtub spout covers, of thermoplastic materials (provided for in subheading 3924.90.56)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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10 **SEC. 74708. INFANT TEETHERS.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.25.98	<i>Infant teethers of silicone, each measuring not over 10 cm by 10 cm, weighing over 0.05 kg and containing a silicone-encased disk of stainless steel (provided for in subheading 3924.90.56)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74709. LIGHTED DOG FETCH TOYS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.25.99	<i>Molded balls of thermoplastic rubber, with encased light-emitting diode (LED) lights, each battery-operated, measuring 64 mm in diameter, with a hardness of 40 Shore A per ASTM D2240 (provided for in subheading 3924.90.56)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74710. CERTAIN THERMOPLASTIC NYLON 3-GANG**
 5 **SWITCH WALLPLATES.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.26.01	<i>Thermoplastic nylon 3-gang switch wallplates, each measuring approximately 17.14 cm by 12.4 cm (provided for in subheading 3925.90.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 74711. MANUAL PLASTIC DISPOSABLE CUTLERY DIS-**
 9 **PENSERS.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.26.02	<i>Dispensers designed to contain and release pieces of disposable cutlery of plastics, manually operated, each dispenser with press lever single-dispensing operation and designed to hold banded cartridges of same-branded (only) disposable cutlery, such dispensers designed to be wall mounted (provided for in subheading 3925.90.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 74712. EAR BULB SYRINGES OF CLEAR SILICONE.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.26.03	<i>Ear bulb syringes, each with tip and bulb of clear silicone and with polystyrene ring connector (provided for in subheading 3926.90.21)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 SEC. 74713. PVC INFLATABLE PILLOWS.

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.26.04	<i>Inflatable travel pillows of flexible polyvinyl chloride, the exterior of which may be flocked, each with a valve for inflation, such pillows measuring between 60 cm and 70 cm in length and 15 cm to 25 cm in width and weighing between 150 g and 190 g, the foregoing presented with an attached nylon flat cord measuring between 75 cm to 80 cm in length and 1 cm to 1.5 cm in width, and which may each have a cover of polyester (provided for in subheading 3926.90.75)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 SEC. 74714. SELF-INFLATABLE QUEEN AIR MATTRESSES.

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.26.05	<i>Pneumatic air mattresses of polyvinyl chloride, each with a flocced surface and built-in 120 V electric pump, measuring approximately 205.7 cm by 157.5 cm by 54.6 cm, weighing 11.3 kg and valued \$34 or more but not over \$40 (provided for in subheading 3926.90.75)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 74715. PLASTIC CLIP FASTENERS.

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.26.06	<i>Fasteners of nylon or of polypropylene, with a filament length of 2.5 mm or more but not over 127 mm, presented on clips each holding the quantity of 25, 50, 100 or 120 pieces, suitable for use in a mechanical attaching device (provided for in subheading 3926.90.85)</i>	<i>3.6%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74716. SELF-VENTING SPOUTS FOR DIESEL EXHAUST**
5 **FLUID.**

6 *Subchapter II of chapter 99 is amended by inserting*
7 *in numerical sequence the following new heading:*

“	9902.26.07	<i>Self-venting spouts or nozzles, threaded for connection to plastic containers on one end and fitted for connection to diesel exhaust fluid (DEF) tanks of diesel motor vehicles on the other, the foregoing presented without the containers (provided for in subheading 3926.90.99)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 74717. PLASTIC PET CARRIERS.**

9 *Subchapter II of chapter 99 is amended by inserting*
10 *in numerical sequence the following new heading:*

“	9902.26.08	<i>Carrying cases of hard plastics, each with handle and door of plastics and with no door of metal, the foregoing designed for use for reptiles or amphibians and not for the housing or transport of mammals, measuring not over 381 mm on any side (provided for in subheading 3926.90.99)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 74718. PLASTIC MIXING TIPS.

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.26.09	<i>Plastic mixing tips, each consisting of a mixer housing, mixing elements and a retaining ring, each designed for use as a disposable mixing tip for two-part chemistries in the dental industry (provided for in subheading 3926.90.99)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 SEC. 74719. CABLE TIES OF PLASTICS.

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.26.10	<i>Cable ties of nylon, measuring 20 cm or more but not more than 61 cm in length, sold in packs each containing not over 100 pieces and valued not over \$1 per pack (provided for in subheading 3926.90.99)</i>	<i>3.8%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 SEC. 74720. FLEXIBLE CAMERA MOUNTINGS.

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.26.11	<i>Camera mounts of plastics, each with an elongated, segmented plastic neck composed of 6 to 8 ball joints, incorporating a base that clips into other types of mounts, engineered to mount cameras of subheading 8525.80.40 (provided for in subheading 3926.90.99)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74721. THREE-PIECE CAMERA MOUNT SETS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.26.12	<i>Sets each containing three camera mounts of plastics, such mounts designed for cameras of subheading 8525.80.40; with each set containing one mount incorporating an adjustable head-strap designed to encircle the forehead, one mount buoyant in water incorporating a handle designed to allow a user to grip with the hand and one mount in the form of a clip (provided for in subheading 3926.90.99)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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4 **SEC. 74722. MAGNETIC SWIVEL CLIPS FOR CAMERAS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.26.13	<i>Camera mounts of plastics, designed to hold cameras of subheading 8525.80.40, each mount incorporating a clip and magnetic base, capable of rotating the camera 360 degrees on a plane (provided for in subheading 3926.90.99)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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7 **SEC. 74723. HELMET CAMERA MOUNTS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.26.14	<i>Camera mounts of plastics, each designed to attach camera of subheading 8525.80.40 securely onto the front or side of a helmet (provided for in subheading 3926.90.99)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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1 **SEC. 74724. SHORT EXTENSION POLES FOR USE WITH CAM-**
 2 **ERAS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.26.15	<i>Extension poles of plastics, designed for use with cameras of subheading 8525.80.40; such poles not buoyant in water, each having an adjustable length greater than 11 cm and less than 23 cm and incorporating a collapsible tripod handle (provided for in subheading 3926.90.99)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 74725. LONG EXTENSION POLES FOR CAMERAS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.26.16	<i>Extension poles of plastics, designed for use with cameras of subheading 8525.80.40; such poles not buoyant in water and without folding extension arms, each pole having an adjustable length between 23 cm and 56 cm and incorporating a collapsible tripod handle (provided for in subheading 3926.90.99)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 74726. SWIVEL MOUNTS FOR CAMERAS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.26.17	<i>Camera mounts of plastics, designed to hold cameras of subheading 8525.80.40, each mount containing a ball joint and capable of swiveling the camera 360 degrees without detaching the mount (provided for in subheading 3926.90.99)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74727. TRIPOD CAMERA MOUNTS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.26.18	Camera mounts of plastics, each designed to attach a camera of subheading 8525.80.40 securely onto a tripod (provided for in subheading 3926.90.99)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74728. BULK HYDRAULIC HOSES.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.26.19	Bulk hoses of vulcanized rubber, reinforced with metal, without fittings, designed for hydraulic use (provided for in subheading 4009.21.00)	1.6%	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74729. BRAKE HYDRAULIC HOSES.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.26.20	Brake hoses, with fittings, for the vehicles of subheading 8701.20 or headings 8702, 8703, 8704, 8705 or 8711, such hoses reinforced or otherwise combined only with textile materials (provided for in subheading 4009.32.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74730. BULK FABRIC/METAL-REINFORCED RUBBER**
 11 **HOSES.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.26.21	<i>Hoses of vulcanized rubber (other than hard rubber), reinforced with both textile materials and metal, without fittings, presented in bulk and designed for hydraulic use (provided for in subheading 4009.41.00)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74731. DISPOSABLE GLOVES.**

2 *Subchapter II of chapter 99 is amended by inserting*

3 *in numerical sequence the following new heading:*

“	9902.26.22	<i>Seamless disposable gloves of vulcanized rubber other than hard rubber, designed for household use, such gloves other than surgical or medical gloves (provided for in subheading 4015.19.10)</i>	1.5%	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74732. REUSABLE GLOVES.**

5 *Subchapter II of chapter 99 is amended by inserting*

6 *in numerical sequence the following new heading:*

“	9902.26.23	<i>Household reusable seamless gloves, of vulcanized rubber other than hard rubber (provided for in subheading 4015.19.10)</i>	1.2%	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74733. DOG AND CAT APPAREL.**

8 *Subchapter II of chapter 99 is amended by inserting*

9 *in numerical sequence the following new heading:*

“	9902.26.24	<i>Articles of pet apparel, excluding life jackets for pets and pet apparel with attached or built-in collars or harnesses; such articles put up for retail sale (provided for in subheading 4201.00.60)</i>	1%	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74734. POLYCARBONATE VANITY CASES.**

11 *Subchapter II of chapter 99 is amended by inserting*

12 *in numerical sequence the following new heading:*

“	9902.26.25	<i>Hard-sided polycarbonate vanity cases with zipper closure, such cases measuring 13 cm (including hinge) in width, 18.2 cm (including top ring) in height, at least 7 cm but not over 7.6 cm deep, each case weighing 167.26 grams or more but not over 184.27 grams (provided for in subheading 4202.12.21)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 74735. ALUMINUM VANITY CASES.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.26.26	<i>Hard-sided vanity cases of aluminum, such cases with latch closure and measuring 13.8 cm in width (including hinge and latch), 18.2 cm in height (including top ring) and at least 7.5 cm but not over 7.6 cm in depth; the foregoing weighing at least 240.97 grams but not over 297.67 grams each (provided for in subheading 4202.19.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74736. SUITCASES WITH OUTER SURFACE OF ALU-**
 5 **MINUM WITH BUILT-IN ZIPPER LOCKS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.26.27	<i>Suitcases with outer surface of aluminum, with 4 wheels, at least 1 handle, with built-in zipper locks of a type compliant with standards of the Transportation Security Administration keyed for opening with a universal master tool made and patented in the United States, the first side of the locks measuring 3.73 cm or more but not over 17.78 cm, the second side of the locks measuring 1.77 cm or more but not over 7.72 cm and the third side of the locks measuring 1.06 cm or more but not over 3.97 cm (provided for in subheading 4202.19.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74737. DRAWSTRING BACKPACKS WITH ZIPPERED**
 2 **POCKET.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.26.28	<i>Drawstring backpacks of 210D polyester and polyurethane blend man-made fabric, such backpacks measuring 33 cm in width and having a 3 mm polypropylene cord cinch closure with such cord knotted at the base of the bag via polypropylene webbing loops that measure 1.9 cm in width and are sewn into the side seam; the foregoing backpacks with a front diagonal pocket that measures 23 cm in width and has a closure that incorporates a zipper of nylon teeth and polyester tape that is 3.175 cm in width (provided for in subheading 4202.92.31)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 74738. LAMINATED RECYCLED REUSABLE SHOPPING**
 6 **TOTE BAGS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.26.29	<i>Shopping tote bags made from laminated 100 percent recycled PET fabric made from recycled plastic bottles, each bag having a width of 38.1 cm and shoulder straps with a length of 59.69 cm (provided for in subheading 4202.92.31), the foregoing other than goods described in heading 9902.12.39 or 9902.12.40</i>	<i>12.7%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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9 **SEC. 74739. TOTE BAGS OF PAPER YARN.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.26.30	<i>Tote bags of paper yarn, with or without closure, the foregoing with shoulder straps and with at least one side measuring more than 30.48 cm in length, designed for carrying personal effects (provided for in subheading 4202.92.33)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 74740. REUSABLE SHOPPING STYLE TOTE BAGS.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.26.31	<i>Reusable shopping-style tote bags of plastic, each with handles, load capacity not over 13.61 kg and measuring at least 43.18 cm but not over 63.5 cm in width, at least 38.1 cm but not over 50.8 cm in height and 19.94 cm but not over 23.5 cm in depth (provided for in subheading 4202.92.45), the foregoing other than of woven man-made fiber fabric visibly coated on the outer surface with plastics</i>	<i>6.9%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 SEC. 74741. WATERPROOF TOTE BAGS.

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.26.32	<i>Waterproof tote bags of woven man-made fiber fabric visibly coated on the outer surface with plastics, each bag with welded seams, two or more adjustable handles, a reinforced bottom, and with a toothless plastic fully watertight zipper on both the primary compartment and the side pocket (provided for in subheading 4202.92.45)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 SEC. 74742. WATERPROOF DUFFLE BAGS.

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.26.33	Waterproof duffle bags of woven man-made fiber fabric visibly coated on the outer surface with plastics, each with welded seams, a toothless plastic fully watertight zipper, a reinforced bottom and a separate watertight zippered compartment at the bottom (provided for in subheading 4202.92.45)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74743. WATERPROOF ZIPPERED BAGS, WITHOUT HAN-**
 2 **DLES, OF PLASTIC SHEETING.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.26.34	Waterproof bags of clear thermoplastic polyurethane (TPU) film and woven man-made fiber fabric visibly coated on the outer surface with plastics, each with welded seams and incorporating a toothless plastic fully watertight zipper closure; such bags measuring not over 26.2 cm wide, 27.0 cm high and 8.2 cm deep (provided for in subheading 4202.92.45), the foregoing without handles	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 74744. WATERPROOF BACKPACKS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.26.35	Waterproof backpacks of woven man-made fiber fabric visibly coated on the outer surface with plastics, each with welded seams, a toothless plastic fully watertight zipper and a reinforced bottom, the foregoing not presented with a detachable front pouch having its own shoulder strap (provided for in subheading 4202.92.45)	Free	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 74745. WATERPROOF WAIST PACKS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.26.36	<i>Waterproof waist packs of woven man-made fiber fabric visibly coated on the outer surface with plastics, each with welded seams and toothless plastic fully watertight zipper and adjustable waist strap (provided for in subheading 4202.92.45)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 74746. GUITAR CASES.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.26.37	<i>Guitar cases, each having a guitar-shaped (not rectangular) exterior, a polyester plush interior lining and a single carrying handle, such handle with a covering of a kind known as Toler; the foregoing cases made from plywood covered with sheeting of plastics and incorporating 4 or 5 metal locking clasps and valued over \$40 but not over \$60 each (provided for in subheading 4202.92.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 SEC. 74747. JEWELRY BOXES.

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.26.38	<i>Jewelry boxes constructed of medium density fiberboard (MDF) covered with sheeting of plastics on the outer surface, each box with an embossed design covering more than 50 percent of the exterior and incorporating one exterior window through which the jewelry can be viewed, the foregoing with compartmentalized interior sections lined with velvet (provided for in subheading 4202.92.97)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74748. SILICONE RUBBER CAMERA CASES WITH**
 2 **STRAPS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.26.39	Camera cases of silicone rubber, designed to hold cameras of subheading 8525.80.40, each case containing openings for the operation of the camera and an adjustable nylon strap and measuring not more than 52 mm in height, 76 mm in width and 29 mm in depth (provided for in subheading 4202.99.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74749. LEATHER GLOVES WITH FLIP MITTS FOR HUNT-**
 6 **ING.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.26.40	Full-fingered gloves, each with a palm side of leather and a back side comprising a camou- flage-printed knitted fabric wholly of polyester and laminated to expanded polytetra- fluoroethylene (EPTFE), such gloves with insulation com- prising 40 percent by weight of synthetic microfiber and 60 percent by weight of duck down; each having a mitt sewn to the back of the glove as a flap, with leather tips for each finger and thumb de- signed to improve grip, such mitt designed to cover the fin- gers for additional warmth; the foregoing gloves designed for use in the sport of hunting (provided for in subheading 4203.21.80)	Free	No change	No change	On or before 12/31/2023 ...”.
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9 **SEC. 74750. MEN’S LEATHER GLOVES VALUED AT \$18 OR**
 10 **MORE PER PAIR.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.26.44	<i>Plywood flooring with a face ply of bamboo (Phyllostachys pubescens), such face ply measuring less than 4 mm in thickness; each flooring panel measuring at least 14.1 mm but not over 14.5 mm in thickness and at least 125.0 mm but not over 230.6 mm in width (provided for in subheading 4412.10.05)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74754. BAMBOO ENGINEERED FLOORING: 15.7–16.1 MM**

2 **THICK.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.26.45	<i>Plywood flooring with a face ply of bamboo (Phyllostachys pubescens), such face ply measuring less than 4 mm; each flooring panel measuring at least 15.7 mm but not over 16.1 mm in thickness and at least 125.0 mm but not over 230.6 mm in width (provided for in subheading 4412.10.05)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 74755. STRAND BAMBOO FLOORING: 12.5–12.9 MM**

6 **THICK.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.26.46	<i>Strand bamboo (Phyllostachys pubescens) flooring, tongued and grooved, continuously shaped along any of its ends, surface covered with a clear or transparent material which does not obscure the grain, texture or markings of the face ply, such flooring measuring at least 12.5 mm but not over 12.9 mm in thickness and at least 126.8 mm but not over 127.2 mm in width (provided for in subheading 4418.91.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74756. STRAND BAMBOO FLOORING: 14.1–14.5 MM**2 **THICK.**3 *Subchapter II of chapter 99 is amended by inserting*4 *in numerical sequence the following new heading:*

“	9902.26.47	<i>Strand bamboo (Phyllostachys pubescens) flooring, tongued and grooved, continuously shaped along any of its ends, surface covered with a clear or transparent material which does not obscure the grain, texture or markings of the face ply, such flooring measuring at least 14.1 mm but not over 14.5 mm in thickness and at least 126.8 mm but not over 127.2 mm in width (provided for in subheading 4418.91.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 74757. STRAND BAMBOO FLOORING: 10.9–11.3 MM**6 **THICK.**7 *Subchapter II of chapter 99 is amended by inserting*8 *in numerical sequence the following new heading:*

“	9902.26.48	<i>Strand bamboo (Phyllostachys pubescens) flooring, tongued and grooved, continuously shaped along any of its ends, surface covered with a clear or transparent material which does not obscure the grain, texture or markings of the face ply, such flooring measuring at least 10.9 mm but not over 11.3 mm in thickness and at least 126.8 mm but not over 127.2 mm in width (provided for in subheading 4418.91.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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9 **SEC. 74758. CHOPSTICKS MADE OF BAMBOO.**10 *Subchapter II of chapter 99 is amended by inserting*11 *in numerical sequence the following new heading:*

“	9902.26.49	<i>Bamboo chopsticks (provided for in subheading 4419.12.00)</i>	<i>0.7%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74759. DRYING RACKS OF WOOD.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.26.50	<i>Drying racks of wood designed to mount on the wall and fold up accordion style, the foregoing used for drying delicate clothing (provided for in subheading 4420.90.80)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74760. BAMBOO SKEWERS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.26.51	<i>Skewers or sticks made of bamboo, the foregoing not over 31 cm in length (provided for in subheading 4421.91.60)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 74761. WOOD BLINDS WITH LOUVERED SLATS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.26.52	<i>Wood blinds with louvered boards (provided for in subheading 4421.99.40)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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10 **SEC. 74762. 100 PERCENT COTTON WOVEN CRIMPED UN-**
 11 **BLEACHED FABRIC.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“ 9902.26.53	Woven fabrics wholly of cotton, unbleached, crimped, with yarn number between 43 and 68, presented folded into 3 layers, measuring less than 84 cm wide before folding and less than 28 cm wide after folding; weighing less than 25 g/m ² before folding and less than 75 g/m ² after folding (measuring 3 layers at once); piece length less than 76 cm; put up layered on rolls of up to 200 pieces per roll, with edges not attached in any way, such fabric easily unfolded (provided for in subheading 5208.11.40)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74763. WOVEN FABRICS OF COTTON, CONTAINING 85**
 2 **PERCENT OR MORE BY WEIGHT OF COTTON,**
 3 **NOT MORE THAN 200 GRAMS PER SQUARE**
 4 **METER.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“ 9902.26.54	Woven fabrics of cotton, containing 85 percent or more by weight of cotton, weighing not more than 200 g/m ² , unbleached, satin weave or twill weave, 256 cm or greater in width; such fabrics having a thread count exceeding 200 or an average yarn number exceeding 68 (provided for in subheading 5208.19.20)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74764. 100 PERCENT COTTON WOVEN BLEACHED FAB-**
 8 **RIC PIECES, OPEN WEAVE.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.26.56	Fabrics wholly of cotton, bleached, open weave, average yarn number between 43 and 68 metric, weighing less than 60 g/m ² ; presented folded in layers ranging in number from 2 to 16 layers, in pieces on rolls or stacked in a box, or on bolts, or continuous length on large rolls; measuring 89 cm to 92 cm in width before folding, folded widths between 22 cm and 42 cm in width, lengths vary depending upon packaging but ranging from 22 cm to 950 m (provided for in subheading 5208.21.40)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74765. INCONTINENCE UNDERPAD FABRICS OF COT-**
2 **TON.**

3 *Subchapter II of chapter 99 is amended by inserting*
4 *in numerical sequence the following new heading:*

“	9902.26.57	Woven fabrics wholly of cotton, bleached, twill weave, of single ply yarns, weighing between 132 and 140 g/m ² , measuring 182 to 194 cm in width, with 286 and 304 decitex in the warp and between 358 and 380 decitex in the filling, with 25 to 27 yarns per cm in the warp and 16 to 18 yarns per cm in the filling (provided for in subheading 5208.29.20)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74766. WOVEN FABRICS OF COTTON WITH AN AVERAGE**
6 **YARN NUMBER BETWEEN 55 AND 60.**

7 *Subchapter II of chapter 99 is amended by inserting*
8 *in numerical sequence the following new heading:*

“	9902.26.58	Woven fabrics of cotton, containing over 50 percent but less than 85 percent by weight of cotton, mixed mainly with man-made fibers, weighing not more than 200 g/m ² , unbleached, plain weave, in widths of 305 cm or greater; such fabrics having an average yarn number exceeding 55 but not exceeding 60 (provided for in subheading 5210.11.60)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74767. WOVEN FABRIC OF COTTON OF YARN NUMBER**
 2 **69 OR HIGHER.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.26.59	Woven fabrics of cotton, containing over 50 percent but less than 85 percent by weight of cotton, mixed mainly with man-made fibers, weighing not more than 200 g/m ² , unbleached, plain weave, of yarn number 69 or higher number, in widths of 226 cm or greater (provided for in subheading 5210.11.80)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74768. WOVEN FABRICS OF COTTON WITH AN AVERAGE**
 6 **YARN NUMBER EXCEEDING 68.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.26.60	Woven fabric of cotton, containing over 50 percent but less than 85 percent by weight of cotton, mixed solely with man-made fibers, weighing not more than 200 g/m ² , unbleached, satin weave or twill weave, other than 3-thread or 4-thread twill or cross twill, in widths of 226 cm or greater; such fabrics having an average yarn number exceeding 68 (provided for in subheading 5210.19.20)	Free	No change	No change	On or before 12/31/2023 ...”.
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9 **SEC. 74769. INCONTINENCE UNDERPAD FABRICS, COTTON,**
 10 **PLAIN WEAVE, OF YARN NUMBER 42 OR**
 11 **LOWER.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“ 9902.26.61	Woven fabrics of cotton, of yarn number 42 or lower, containing by weight 77 percent to 83 percent of cotton and 17 percent to 23 percent of polyester, bleached, plain weave, weighing 165 to 175 g/m ² , measuring 182 to 194 cm in width, constructed with single ply yarns with 239 to 253 decitex in the warp and with two ply yarns of 573 to 609 decitex in the filling, 19 to 21 yarns per cm in the warp and 9 to 11 single yarns per cm in the filling (provided for in subheading 5210.21.40)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74770. INCONTINENCE UNDERPAD FABRICS, COTTON,**
 2 **PLAIN WEAVE, OF YARN NUMBER BETWEEN 43**
 3 **AND 68.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“ 9902.26.62	Woven fabrics of cotton, of yarn numbers 43 to 68, such fabrics containing by weight 51 percent to 55 percent of cotton and 45 percent to 49 percent of polyester, bleached, plain weave of single ply yarns, weighing 99 to 105 g/m ² , measuring 182 to 194 cm in width, with 184 to 196 decitex in the warp and filling, 29 to 31 yarns per cm in the warp and 19 to 21 yarns per cm in the filling (provided for in subheading 5210.21.60)	Free	No change	No change	On or before 12/31/2023 ... ”.
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6 **SEC. 74771. INCONTINENCE UNDERPAD FABRICS,**
 7 **BLEACHED.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

1 **SEC. 74774. UNTWISTED FILAMENT POLYVINYL ALCOHOL**
 2 **YARN.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.26.66	Synthetic (polyvinyl alcohol) filament yarn, untwisted, measuring 1,330 to 2,070 decitex and consisting of between 600 and 1000 filaments (provided for in subheading 5402.49.91)	0.5%	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 74775. POLYPROPYLENE (PP) MONOFILAMENT.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.26.67	Synthetic monofilament of polypropylene, of 67 decitex or more and of which no cross-sectional dimension exceeds 1 mm (provided for in subheading 5404.12.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 74776. ACRYLIC FIBER TOW WITH AN AVERAGE**
 9 **DECITEX OF 0.9.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.26.68	Acrylic filament tow containing at least 85 percent but not more than 94 percent by weight of acrylonitrile units and 1 percent or more but not over 4 percent of water, raw white (undyed), crimped, with an average decitex of 0.9 (plus or minus 10 percent) and an aggregate filament measure in the tow bundle between 660,000 and 1,300,000 decitex, with a length greater than 2 m (provided for in subheading 5501.30.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74777. BLACK POLYESTER BI-COMPONENT FIBERS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.26.71	<i>Synthetic staple fibers, not carded, combed or otherwise processed for spinning, the foregoing comprising black polyester bi-component fibers measuring between 4.4 and 6.7 decitex and with fiber length between 50 and 51 mm; having an outer copolymer sheath that melts at a lower temperature than the core; the foregoing of a kind used for bonding fibers together (provided for in subheading 5503.20.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74778. ACRYLIC STAPLE FIBERS WITH AN AVERAGE**
 5 **DECITEX OF 2.2, FIBER LENGTH OF 100 MM.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.26.72	<i>Acrylic staple fibers containing at least 85 percent by weight of acrylonitrile units and 2 percent or more but not over 3 percent of water, raw white (undyed), crimped, with an average decitex of 2.2 (plus or minus 10 percent) and fiber length of 100 mm (plus or minus 10 percent) (provided for in subheading 5503.30.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 74779. MODACRYLIC STAPLE FIBERS NOT PROCESSED**
 9 **FOR SPINNING.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.26.73	<i>Modacrylic staple fibers containing 35 percent or more but not over 85 percent by weight of acrylonitrile units and 1 percent or more but not over 3 percent of water, pigmented, crimped, with an average decitex between 1.9 and 3.3 (plus or minus 10 percent) and a fiber length between 45 and 51 mm (plus or minus 10 percent) (provided for in subheading 5503.30.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 74780. SHORT POLYPROPYLENE FIBERS.

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.26.74	<i>Polypropylene fibers, 6.66 decitex, with a fiber length of 0.5 mm (provided for in subheading 5503.40.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 SEC. 74781. POLYOXADIAZOLE FIBERS.

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.26.75	<i>Synthetic staple fibers of polyoxadiazole, not carded, combed or otherwise processed for spinning, measuring between 1 and 2 decitex and with fiber length between 38 mm and 51 mm (provided for in subheading 5503.90.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 SEC. 74782. ARTIFICIAL STAPLE FIBERS OF VISCOSE RAYON,
8 38–42 MM IN LENGTH.

9 *Subchapter II of chapter 99 is amended by inserting*
10 *in numerical sequence the following new heading:*

“	9902.26.76	<i>Artificial staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning, each measuring 1.5 or more but not over 1.8 decitex and having a fiber length measuring 38 mm or more but not over 42 mm (provided for in subheading 5504.10.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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1 **SEC. 74783. ARTIFICIAL FIBERS OF VISCOSE RAYON FOR**
 2 **THE MANUFACTURE OF FEMININE HYGIENE**
 3 **PRODUCTS.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.26.77	<i>Artificial staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning, each measuring 2.9 or more but not over 3.7 decitex and having a fiber length measuring 28 mm, the foregoing suitable for use in producing goods of heading 9619 (provided for in subheading 5504.10.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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6 **SEC. 74784. FLAME RETARDANT RAYON FIBERS, MEASURING**
 7 **4.78 DECITEX.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.26.78	<i>Artificial staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning, containing 28 percent or more but not over 33 percent by weight of silica, measuring 4.78 decitex in lengths of 60 mm (provided for in subheading 5504.10.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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1 **SEC. 74785. FLAME RETARDANT RAYON FIBERS, MEASURING**

2 **4.55 DECITEX.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.26.79	Artificial staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning, containing 28 percent or more but not over 33 percent by weight of silica measuring 4.55 decitex in lengths of 60 mm (provided for in subheading 5504.10.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 74786. FLAME RETARDANT RAYON FIBERS, MEASURING**

6 **4.4 DECITEX.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.26.80	Artificial staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning, each containing 28 percent or more but not over 33 percent by weight of silica, measuring 4.4 decitex and 60 mm in length (provided for in subheading 5504.10.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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9 **SEC. 74787. OTHER FLAME RETARDANT RAYON FIBERS.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.26.81	Artificial staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning and containing 28 percent or more but not over 33 percent by weight of silica (provided for in subheading 5504.10.00); the foregoing other than fibers measuring 2.2 decitex in lengths of 38 mm, measuring 4.7 decitex in lengths of 51 mm or measuring 3.3, 4.4, 4.55, 4.7, 4.78 or 5.0 decitex in lengths of 60 mm	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74788. CELLULOSIC MAN-MADE VISCOSE RAYON STA-**
 2 **PLE FIBERS, MEASURING 1.3–1.5 DECITEX.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.26.82	Artificial staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning, measuring 1.3 decitex but not over 1.5 decitex and having a fiber length each measuring 20 mm or more but not over 150 mm (provided for in subheading 5504.10.00), the foregoing other than fibers with a length of 38 mm or more but not over 42 mm	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 74789. VISCOSE RAYON STAPLE FIBERS, MEASURING**
 6 **1.5–1.67 DECITEX, WITH A FIBER LENGTH OF**
 7 **38–42 MM.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.26.83	Artificial staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning, each measuring greater than 1.5 decitex but not over 1.67 decitex and having a fiber length measuring 20 mm or more but not over 150 mm (provided for in subheading 5504.10.00), the foregoing other than fibers with a length of 38 mm or more but not over 42 mm	Free	No change	No change	On or before 12/31/2023 ... ”.
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10 **SEC. 74790. CELLULOSIC MAN-MADE VISCOSE RAYON STA-**
 11 **PLE FIBERS, MEASURING 1.67–2 DECITEX.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.26.84	<i>Artificial staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning, measuring greater than 1.67 decitex but not over 2 decitex and having a fiber length each measuring 20 mm or more but not over 150 mm (provided for in subheading 5504.10.00), the foregoing other than fibers with a length of 38 mm or more but not over 42 mm</i>	0.6%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74791. VISCOSE RAYON STAPLE FIBERS, MEASURING 1–**
 2 **2 DECITEX, WITH A FIBER LENGTH OF 4–8 MM.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.26.85	<i>Artificial staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning, measuring 1 decitex or more but not over 2 decitex and having a fiber length each measuring 4 mm or more but less than 8 mm (provided for in subheading 5504.10.00)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74792. VISCOSE STAPLE FIBERS USED IN TEXTILE,**
 6 **MEDICAL, OR HYGIENE APPLICATIONS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.26.86	<i>Staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning, measuring over 2 decitex but not over 3.3 decitex and having a fiber length each measuring over 55 mm or more but not over 60 mm (provided for in subheading 5504.10.00)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74793. VISCOSE RAYON STAPLE FIBERS, MEASURING**
 2 **1.51–2 DECITEX, WITH A FIBER LENGTH OF 8–**
 3 **16 MM.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.26.87	Artificial staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning, measuring 1.51 decitex or more but not over 2.0 decitex and having a fiber length each measuring 8 mm or more but not over 16 mm (provided for in subheading 5504.10.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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6 **SEC. 74794. VISCOSE RAYON STAPLE FIBERS, MEASURING 1–**
 7 **1.5 DECITEX, WITH A FIBER LENGTH OF 8–16**
 8 **MM.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.26.88	Artificial staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning, measuring 1 decitex or more but not over 1.5 decitex and having a fiber length each measuring 8 mm or more but not over 16 mm (provided for in subheading 5504.10.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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11 **SEC. 74795. FLAME RETARDANT VISCOSE RAYON STAPLE FI-**
 12 **BERS, WITH A DECITEX OF 4.7 MM AND A**
 13 **FIBER LENGTH OF 51–60 MM.**

14 *Subchapter II of chapter 99 is amended by inserting*
 15 *in numerical sequence the following new heading:*

“	9902.26.89	<i>Artificial staple fibers of viscose rayon, not carded, combed or otherwise processed for spinning, each measuring 4.7 decitex (plus or minus 10 percent) and having a fiber length measuring 51 mm but not over 60 mm (provided for in subheading 5504.10.00), the foregoing other than fibers containing 28 percent or more but not over 33 percent by weight of silica, measuring 4.7 decitex and 60 mm in length</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 74796. VISCOSE RAYON STAPLE FIBERS FOR
2 NONWOVEN PRODUCTION.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.26.90	<i>Staple fibers of viscose rayon, with decitex ranging from either 0.5 decitex to less than 0.9 decitex or greater than 2 decitex to 3.5 decitex, the foregoing with a fiber length of 25 mm to 55 mm (provided for in subheading 5504.10.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 SEC. 74797. BLACK VISCOSE RAYON STAPLE FIBERS.

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.26.91	<i>Artificial staple fibers, not carded, combed or otherwise processed for spinning, each black in color, having a decitex of 1.7 but not over 2, with cut length measuring 30 mm but not over 80 mm (provided for in subheading 5504.10.00), the foregoing other than fibers of 1.7 decitex or more but not over 1.8 decitex, with fiber length measuring 38 mm or more but not over 42 mm</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74798. ACRYLIC OR MODACRYLIC STAPLE FIBERS WITH**
 2 **A DECITEX OF 3-5.6.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.26.92	Acrylic or modacrylic staple fibers, carded, combed or otherwise processed for spinning, containing by weight 92 percent or more of polyacrylonitrile, not more than 0.1 percent of zinc and 2 percent or more but not over 8 percent of water, undyed, with an average decitex of 3 to 5.6 (provided for in subheading 5506.30.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74799. MADE UP HAND-CAST STRING-DRAWN FISHING**
 6 **NETS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.26.93	Made up hand-cast string-drawn fishing nets, of nylon monofilament, each with attached string or rope, incorporating a neoprene cuff and attachment for user's waistband belt (provided for in subheading 5608.11.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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9 **SEC. 74800. KNITTED CARPETS CONTAINING 75 PERCENT**
 10 **OR MORE OF COTTON, WITH A RUBBER BACK-**
 11 **ING.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.26.94	Carpets and other textile floor coverings, knitted, made up, containing 75 percent or more by weight of cotton fibers, each with a rubber backing (provided for in subheading 5705.00.20)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74801. KNITTED CARPETS CONTAINING 75 PERCENT**
 2 **OR MORE BY WEIGHT OF POLYESTER, WITH A**
 3 **RUBBER BACKING.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.26.95	Whether or not made up knitted carpets and other textile floor coverings, made up, containing 75 percent or more by weight of polyester fibers, each with a rubber backing (provided for in subheading 5705.00.20)	Free	No change	No change	On or before 12/31/2023 ... ”.
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6 **SEC. 74802. FAUX LEATHER FABRICS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.26.96	Fabrics of ‘faux leather’, polyurethane-coated, of man-made fibers, containing by weight 50 percent or more but not over 62 percent of polyurethane, 36 percent or more but not over 45 percent of man-made fibers and 2 percent or more but not over 5 percent of elastomeric fibers, for use in women’s apparel, weighing 330 to 360 g/m ² , measuring 132 cm to 137 cm in width (provided for in subheading 5903.20.25)	Free	No change	No change	On or before 12/31/2023 ... ”.
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9 **SEC. 74803. GRASS CATCHER BAGS.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.26.97	Grass catcher bags of man-made fiber fabric, used primarily with push lawn mowers, riding lawn mowers and chipper/shredder/vacuums (provided for in subheading 5911.90.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74804. OXYGENATION MEMBRANE CAPILLARY MATE-**
 2 **RIAL.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.26.98	<i>Knitted or crocheted fabrics of polymethylpentene (PMP) oxygenation membrane capillary fibers, such fabrics consisting of PMP tubes arranged and secured in a knitted fabric of PMP (provided for in subheading 6003.30.60)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 74805. TEXTILE KNITTED FABRICS COMPOSED OF**
 6 **MICROMODAL AND ELASTANE.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.26.99	<i>Knitted fabrics containing by weight 66 to 79 percent micromodal and 21 to 34 percent elastane, measuring over 30 cm in width, weighing 155 to 220 g/m², knitted with fine machine gauges of 44 to 50 (provided for in subheading 6004.10.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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9 **SEC. 74806. TEXTILE TECHNICAL KNITTED FABRICS COM-**
 10 **BINING TECHNICAL COTTON AND ELASTANE.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.27.01	<i>Technical knitted fabrics containing by weight 71 percent technical cotton and 29 percent elastane, measuring 170 to 180 cm in width, weighing 160 to 200 g/m², valued at \$14.50 or more per linear meter (provided for in subheading 6004.10.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74807. TEXTILE KNIT FABRICS OF MODAL, CASHMERE,**
 2 **AND SPANDEX.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.27.02	Textile knitted fabric containing by weight 78 percent modal, 14 percent cashmere and 8 percent spandex, weighing 75 to 85 grams per square meter, with cuttable width of 130 to 140 cm, valued at not less than \$17 per linear meter as presented (provided for in subheading 6006.43.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74808. WOMEN’S AND GIRLS’ DRESSES, KNITTED OR**
 6 **CROCHETED, OF SYNTHETIC FIBERS INFUSED**
 7 **WITH MINERALS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.27.05	Women’s and girls’ dresses, knitted or crocheted, of synthetic fibers infused with minerals including silicon dioxide, titanium dioxide or aluminum oxide ground to a size not greater than 1 micron, such dresses specially designed for the sport of competitive cheerleading (provided for in subheading 6104.43.20)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74809. WOMEN’S AND GIRLS’ SKIRTS AND DIVIDED**
 11 **SKIRTS OF SYNTHETIC FIBERS INFUSED WITH**
 12 **MINERALS.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“ 9902.27.06	Women’s and girls’ skirts and divided skirts of synthetic fibers infused with minerals including silicon dioxide, titanium dioxide or aluminum oxide ground to a size not greater than 1 micron, such skirts or divided skirts specially designed for the sport of competitive cheerleading (provided for in subheading 6104.53.20)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74810. WOMEN’S AND GIRLS’ KNIT CARDIGANS OR**
 2 **PULLOVERS CONTAINING 70 PERCENT OR**
 3 **MORE OF SILK.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“ 9902.27.09	Women’s or girls’ knitted or crocheted pullovers and cardigans, containing 70 percent or more by weight of silk or silk waste, each with more than 9 stitches/2 cm, measured in the direction the stitches were formed, and an average of less than 10 stitches/linear cm in each direction counted on an area measuring at least 10 cm by 10 cm, such apparel articles that reach the waist (provided for in subheading 6110.90.10)	Free	No change	No change	On or before 12/31/2023 ... ”.
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6 **SEC. 74811. MEN’S AND BOYS’ KNIT CARDIGANS OR PULL-**
 7 **OVERS OF LINEN.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.27.10	<i>Men’s or boys’ knitted or crocheted pullovers and cardigans, of linen, each with more than 9 stitches/2 cm, measured in the direction the stitches were formed, and an average of less than 10 stitches/linear cm in each direction counted on an area measuring at least 10 cm by 10 cm, such apparel articles that reach the waist (provided for in subheading 6110.90.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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1 **SEC. 74812. BABIES’ KNIT SWEATERS, PULLOVERS,**
 2 **SWEATSHIRTS, WAISTCOATS (VESTS), AND**
 3 **CARDIGANS, OF ARTIFICIAL FIBERS.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.27.11	<i>Babies’ knitted or crocheted sweaters, pullovers, sweatshirts, waistcoats (vests) and cardigans, the foregoing of artificial fibers and other than those imported as parts of sets (provided for in subheading 6111.90.40)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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6 **SEC. 74813. WOMEN’S AND GIRLS’ TOPS, KNITTED OR CRO-**
 7 **CHETED, OF MAN-MADE FIBERS INFUSED**
 8 **WITH MINERALS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.27.15	<i>Women’s and girls’ tops, knitted or crocheted, of man-made fibers infused with minerals including silicon dioxide, titanium dioxide or aluminum oxide ground to a size not greater than 1 micron, such tops specially designed for the sport of competitive cheerleading (provided for in subheading 6114.30.10)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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1 **SEC. 74814. MEN’S AND BOY’S TOPS, KNITTED OR CRO-**
 2 **CHETED, OF MAN-MADE FIBERS INFUSED**
 3 **WITH MINERALS.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.27.16	<i>Men’s and boy’s tops, knitted or crocheted, of man-made fibers infused with minerals including silicon dioxide, titanium dioxide or aluminum oxide ground to a size not greater than 1 micron, such tops specially designed for the sport of competitive cheerleading (provided for in subheading 6114.30.10)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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6 **SEC. 74815. MEN’S 3 MM WETSUITS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.27.17	<i>Men’s full-body wetsuits, each made from three-layer fabric composed of a knitted outer layer of polyester and spandex bonded to a fleece knit pile inner layer of polyester and spandex with a center core of expanded rubber for its body, and a three-layer fabric composed of knitted inner and outer layers of polyester with a center core of expanded rubber for its sleeves, shoulders and lower legs, measuring no more than 3.4 mm in thickness in the torso, such wetsuits valued \$97 or more but not over \$130 each (provided for in subheading 6114.30.30)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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9 **SEC. 74816. MEN’S 5.5 AND 6.5 MM WETSUITS.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.27.18	Men's full-body wetsuits, each made from three-layer fabric composed of a knitted outer layer of polyester and spandex bonded to a fleece knit pile inner layer of polyester and spandex with a center core of expanded rubber for its body, and a three-layer fabric composed of knitted inner and outer layers of polyester with a center core of expanded rubber for its sleeves, shoulders and lower legs, measuring 5.1 mm or more but not over 7 mm in thickness in the torso, such wetsuits valued \$120 or more but not over \$175 each (provided for in subheading 6114.30.30)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 SEC. 74817. MEN'S 3.5 MM WETSUITS.

2 Subchapter II of chapter 99 is amended by inserting
 3 in numerical sequence the following new heading:

“	9902.27.19	Men's full-body wetsuits, made from three-layer fabric composed of a knitted outer layer of polyester and spandex bonded to a fleece knitted pile inner layer of polyester and spandex with a center core of expanded rubber for its body, and a three-layer fabric composed of knitted inner and outer layers of polyester with a center core of expanded rubber for its sleeves, shoulders and lower legs, measuring 3.5 mm or more but not over 4 mm in thickness in the torso, such wetsuits each valued at \$102 or more but not over \$150 (provided for in subheading 6114.30.30)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 SEC. 74818. MEN'S 4.5 MM WETSUITS.

5 Subchapter II of chapter 99 is amended by inserting
 6 in numerical sequence the following new heading:

“	9902.27.20	Men's full-body wetsuits, each made from a three-layer fabric composed of a knitted outer layer of polyester and spandex bonded to a fleece knitted pile inner layer of polyester and spandex with a center core of expanded rubber for its body, and a three-layer fabric composed of a knitted inner of polyester and outer layers with a center core of expanded rubber for its sleeves, shoulders and lower legs, measuring 4.1 mm or more but not over 5 mm in thickness in the torso, such wetsuits valued \$105 or more but not over \$160 each (provided for in subheading 6114.30.30)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 SEC. 74819. WOMEN'S 3 MM WETSUITS.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.27.21	Women's full-body wetsuits, each made from three-layer fabric composed of a knitted outer layer of polyester and spandex bonded to a fleece knit pile inner layer of polyester and spandex with a center core of expanded rubber for its body, and a three-layer fabric composed of knitted inner and outer layers of polyester with a center core of expanded rubber for its sleeves, shoulders and lower legs, measuring no more than 3.4 mm in thickness in the torso, such wetsuits valued \$97 or more but not over \$130 each (provided for in subheading 6114.30.30)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 SEC. 74820. WOMEN'S 3.5 MM WETSUITS.

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.27.22	<p><i>Women’s full-body wetsuits, made from three-layer fabric composed of a knitted outer layer of polyester and spandex bonded to a fleece knitted pile inner layer of polyester and spandex with a center core of expanded rubber for its body, and a three-layer fabric composed of knitted inner and outer layers of polyester with a center core of expanded rubber for its sleeves, shoulders and lower legs, measuring 3.5 mm or more but not over 4 mm in thickness in the torso, such wetsuits each valued \$102 or more but not over \$150 (provided for in subheading 6114.30.30)</i></p>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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1 SEC. 74821. WOMEN’S 4.5 MM WETSUITS.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.27.23	<p><i>Women’s full-body wetsuits, each made from three-layer fabric composed of a knitted outer layer of polyester and spandex bonded to a fleece knitted pile inner layer of polyester and spandex with a center core of expanded rubber for its body, and a three-layer fabric composed of knitted inner and outer layers of polyester with a center core of expanded rubber for its sleeves, shoulders and lower legs, measuring 4.1 mm or more but not over 5 mm in thickness in the torso, such wetsuits valued \$105 or more but not over \$160 each (provided for in subheading 6114.30.30)</i></p>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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4 SEC. 74822. WOMEN’S 5.5 AND 6.5 MM WETSUITS.

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.27.24	<p><i>Women’s full-body wetsuits, of three-layer fabric composed of a knitted outer layer of polyester and spandex bonded to a polyester and spandex fleecy knitted pile inner layer with a center core of expanded rubber for its body, and a three-layer fabric composed of knitted inner and outer layers of polyester with a center core of expanded rubber for its sleeves, shoulders and lower legs with material measuring 5.1 mm or more but not over 7 mm in thickness in the torso, such wetsuits valued \$120 or more but not over \$175 each (provided for in subheading 6114.30.30)</i></p>	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 SEC. 74823. INSULATED HANDMUFFS OF KNIT POLYESTER.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.27.25	<p><i>Hand muffs of knitted fabrics of polyester laminated with plastics, such muffs stuffed with synthetic microfiber for thermal insulation, each with side openings having elastic closures, with one exterior pocket with zipper closure and weighing not more than 500 g (provided for in subheading 6117.80.95)</i></p>	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74824. MEN’S STOCKINGFOOT WADER BOTTOM SUB-**
 5 **ASSEMBLIES, OF COMPRESSED NEOPRENE.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.27.26	<p><i>Men’s stockingfoot wader bottom subassemblies, constructed from neoprene (originally measuring 6 mm to 8 mm in thickness) compressed to 4 mm in thickness, laminated on both sides with a knitted nylon fabric, whose height exceeds 20.5 cm; each such stockingfoot formed anatomically (provided for in subheading 6117.90.90)</i></p>	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74825. MEN’S STOCKINGFOOT WADER BOTTOM SUB-**
 2 **ASSEMBLIES, OF NON-COMPRESSED NEO-**
 3 **PRENE.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.27.27	<i>Men’s stockingfoot wader bot- tom subassemblies, made from non-compressed neoprene hav- ing a thickness of 4 mm, lami- nated on both sides with a knitted nylon fabric, height ex- ceeding 20.5 cm; each such stockingfoot formed anatomi- cally (provided for in sub- heading 6117.90.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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6 **SEC. 74826. FISHING WADER POCKET POUCH ASSEMBLIES.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.27.28	<i>Pocket pouches, each with outer shell of woven textile fab- ric visibly coated with rubber or plastics and laminated to an inner layer of knitted fab- ric, with a zippered cargo pocket and other pockets de- signed to organize tippets and leaders and with dual entry zippers; the foregoing designed to be affixed to a fishing wader and not put up for in- dividual retail sale (provided for in subheading 6117.90.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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9 **SEC. 74827. WOMEN’S COATS OF MAN-MADE WOVEN FIBERS.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.27.35	<i>Women’s quilted water-resist- ant coats, woven, of man-made fibers, thigh length or longer, with sleeves, with a removable hood, with a full front opening and closure (provided for in subheading 6202.13.40)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74828. MEN'S OR BOYS' LINEN WOVEN TROUSERS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.27.38	<i>Men's or boys' woven trousers, of linen (provided for in subheading 6203.49.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74829. MEN'S OR BOYS' LINEN WOVEN SHORTS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.27.39	<i>Men's or boys' woven shorts, of linen, such shorts which do not cover the knee or below in length (provided for in subheading 6203.49.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 74830. MARTIAL ARTS UNIFORMS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.27.40	<i>Women's and girls' judo, karate and other oriental martial arts uniforms of cotton, presented as ensembles each consisting of a top and a bottom, with or without an accompanying belt (provided for in subheading 6204.22.10)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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10 **SEC. 74831. WOMEN'S DRESSES OF WOVEN VISCOSE.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.27.41	<i>Women's dresses, woven, wholly of viscose (provided for in subheading 6204.44.40)</i>	<i>15.2%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74832. GIRLS' WOVEN COTTON CORDUROY TROUSERS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.27.42	<i>Girls' woven corduroy trousers, of cotton, not imported as parts of playsuits (provided for in subheading 6204.62.80)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74833. WOMEN'S WOVEN WAFFLE SHIRTS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.27.43	<i>Women's woven shirts of cotton, with 2 or more colors in the warp and/or the filling, twill, each having brushed back and colored weft yarns, constructed from interwoven single-layer fabric with two right sides (provided for in subheading 6206.30.30)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 74834. BABIES' WOVEN ARTIFICIAL FIBER SHIRTS AND**
 8 **BLOUSES.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.27.44	<i>Babies' woven blouses and shirts of artificial fibers, such garments that extend from the neck area to or below the waist, with or without sleeves, with full or partial or no front opening, without pockets and without tightening at the bottom, and except those imported as parts of sets (provided for in subheading 6209.90.10)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74835. BABIES’ ARTIFICIAL FIBER WOVEN JUMPSUITS,**
 2 **COVERALLS, DRESSES, SKIRTS, SKIRTALLS,**
 3 **OR CLOTHING ACCESSORIES.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.27.45	<i>Babies’ woven jumpsuits, coveralls, dresses, skirts, skirtalls or clothing accessories, the foregoing of artificial fibers and other than garments or accessories imported as parts of sets (provided for in subheading 6209.90.30)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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6 **SEC. 74836. WOMEN’S OR GIRLS’ LINEN WOVEN BLOUSES,**
 7 **SHIRTS AND SHIRT-BLOUSES, AND SLEEVE-**
 8 **LESS TANK STYLES.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.27.48	<i>Women’s or girls’ woven blouses, shirts and shirt-blouses and sleeveless tank styles, the foregoing of linen and extending from the neck area to or below the waist, with or without sleeves, with full or partial opening or no opening, with pockets below the waist or tightening at the bottom (provided for in subheading 6211.49.80)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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11 **SEC. 74837. WOMEN’S OR GIRLS’ LINEN WOVEN WASHSUITS,**
 12 **SUNSUITS, OR ONE-PIECE PLAYSUITS.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.27.49	<i>Women’s or girls’ woven washsuits, sunsuits and one-piece playsuits, of linen (provided for in subheading 6211.49.80)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74838. WOMEN’S OR GIRLS’ LINEN WOVEN COVERALLS**
 2 **OR JUMPSUITS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.27.50	Women’s or girls’ woven coveralls or jumpsuits, of linen (provided for in subheading 6211.49.80)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74839. WOMEN’S SHAWLS AND SIMILAR GOODS, 100**
 6 **PERCENT SILK.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.27.51	Women’s shawls, scarves and similar goods, wholly of silk, valued less than \$7 each (provided for in subheading 6214.10.10)	Free	No change	No change	On or before 12/31/2023 ...”.
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9 **SEC. 74840. WINTER CYCLING GLOVES.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.27.52	Winter cycling gloves, each with woven outer shell of man-made fibers and a merino wool lining (provided for in subheading 6216.00.46)	Free	No change	No change	On or before 12/31/2023 ...”.
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12 **SEC. 74841. MATTRESS PROTECTORS WITH TOPPERS.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.27.53	Mattress protectors, each with topper of knitted three-layer fabric wholly of polyester jersey and with total weight of 340 g/m ² , the bottom layer of such fabric laminated for waterproofing, white in color; the skirt of which comprises knitted fabric wholly of polyester with one-way stretch, bleached white, such skirt measuring 43 cm with elastic band measuring 1 cm in width around the bottom of each protector (provided for in subheading 6302.10.00)	4.8%	No change	No change	On or before 12/31/2023 ... ”.
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1 SEC. 74842. PRINTED MATTRESS PROTECTORS.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.27.54	Mattress protectors, each with a body comprising knitted three-layer fabric weighing 530 g/m ² and containing by weight 67 percent polyester and 33 percent polyethylene, the bottom layer of such fabric with laminate of thermoplastic polyurethane to provide waterproofing; the skirt of which comprises knitted fabric weighing 150 g/m ² and containing by weight 92 percent polyester and 8 percent elastomeric fiber, such fabric having two-way stretch, measuring 38.1 cm in depth and with elastomeric band at the bottom of each protector; such mattress protectors printed, with silver satin cording around four sides (provided for in subheading 6302.10.00)	4.1%	No change	No change	On or before 12/31/2023 ... ”.
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4 SEC. 74843. LOCK POCKET TENTS.

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.27.59	<i>Dome-shaped tents of woven fabric of polyester, each tent with attached polyethylene floor and fiberglass poles permanently attached to the rear bottom corners of the tent by means of polyvinyl chloride end connectors sewn into webbing straps, with the opposite ends having polyvinyl chloride ball-shaped caps that insert into mesh fabric pockets 10.7 cm to 12.1 cm long at the front bottom corners of the tent and attach to the tent at intervals via webbing straps with fitted plastic clips, the foregoing tents each valued at \$19 or higher (provided for in subheading 6306.22.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 74844. DARK ROOM TENTS.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.27.60	<i>Tents of woven fabric of polyester, with light-blocking dark pigment coating, such tents with attached polyethylene floor, measuring 144.7 cm by 213.3 cm or more but not over 426.8 cm by 304.8 cm, with a center height of at least 142.2 cm but not over 201 cm, each such tent valued at \$30 or higher (provided for in subheading 6306.22.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 SEC. 74845. AIR TUBE CHAMBERED TENTS.

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.27.61	<i>Air-filled tube structure tents of synthetic fibers, each measuring approximately 2.13 m wide by 2.31 m long by 2.34 m tall, with nylon mesh screens, clear vinyl plastic windows, magnetic flap closure and opaque sentinel luxetlan fabric curtains (provided for in subheading 6306.22.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74846. BI-COMPONENT MICROFIBER TUBE MOP RE-**
 2 **FILLS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.27.62	Replacement mop heads, constructed from circular knit bi-component microfiber fabric tubes containing by weight 65 to 90 percent of polyester and 10 to 35 percent of nylon, sewn together with raw edges enclosed, valued at least \$2 but no more than \$4 each (provided for in subheading 6307.10.20)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74847. MICROFIBER DUSTER REFILLS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.27.63	Duster refill pads made from knitted high pile microfiber fabric containing by weight 60 percent to 90 percent of polyester and 10 percent to 40 percent of nylon, valued less than \$1.80 each (provided for in subheading 6307.10.20)	Free	No change	No change	On or before 12/31/2023 ...”.
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8 **SEC. 74848. RFID MOP PADS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.27.64	Finished mop pads made from warp knit fabric containing by weight 60 percent to 90 percent of polyester and 10 percent to 40 percent of nylon, weighing at least 300 g/m ² but no more than 700 g/m ² , such mop pads each having an RFID chip permanently stitched inside them (provided for in subheading 6307.10.20)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74849. MICROFIBER CLEANING CLOTHS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.27.65	<i>Microfiber cloths made from warp knit fabric containing by weight 60 percent to 90 percent of polyester and 10 percent to 40 percent of nylon, weighing at least 190 g/m² but no more than 360 g/m², such cloths having edges finished with an overcast stitch, valued at least \$0.06 but not more than \$0.90 each (provided for in subheading 6307.10.20)</i>	4%	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74850. MICROFIBER MOP PADS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.27.66	<i>Finished mop pads made from warp knit microfiber fabric containing by weight 60 percent to 90 percent of polyester and 10 percent to 40 percent of nylon, each weighing at least 300 g/m² but no more than 700 g/m² and valued at least \$0.40 but no more than \$4.90 (provided for in subheading 6307.10.20)</i>	2%	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74851. GOLF BAG BODIES WITH RAIN HOODS AND**
 8 **STRAPS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.27.67	<i>Golf bag bodies made from woven fabric of man-made textile materials, each presented sewn together with pockets, with golf bag rain hood, sling, webbing clips and top and bottom collars (provided for in subheading 6307.90.98), the foregoing presented without dividers or bottoms</i>	0.5%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74852. PILLOW SHELLS, CONSTRUCTED WITH GUS-**
 2 **SETS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.27.68	<i>Pillow shells, each with body made of fabric weighing 450 g/m² and containing by weight 84 percent of polyester and 16 percent of rayon; when constructed with gusset, such gusset of warp knit spacer fabric weighing 380 g/m² and containing by weight 80 percent of polyester and 20 percent of nylon, with gusset lining of fabric weighing 35 g/m² and wholly of polyester, 30 thread count per cm²; each such shell either (1) with round corners, 5 cm mesh gusset, color satin cording on all sides, embroidery words on each long side gusset and 56 cm invisible zipper opening at one long side, such shell measuring 54 cm by 43 cm by 5 cm; or (2) measuring 46 cm by 64 cm, with 3 mm cording all around, each top and back panel with one cutout three-dimensional (3D) warp knitting spacer fabric (micro polyester lining underneath cutout) and 50 cm invisible zipper opening at one long side (provided for in subheading 6307.90.98)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74853. GOLF BAG BODY FLATS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.27.70	<i>Golf bag bodies made of woven fabric of man-made textile materials, sewn together with pockets, each presented with golf bag rain hood, sling, webbing clips and top and bottom collars (provided for in subheading 6307.90.98), the foregoing presented either without bottoms or with bottoms not attached to such bodies</i>	1.2%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74854. BATHTUB ELBOW RESTS.**2 *Subchapter II of chapter 99 is amended by inserting*3 *in numerical sequence the following new heading:*

“	9902.27.71	<i>Elbow pads of textile materials, with faux neoprene shell and foam inner layer, with non-slip backing with suction cups to attach to the bath tub, containing no bisphenol-A (BPA) or phthalates, measuring approximately 40 cm in length by 10.2 cm in width by 15.9 cm in height (provided for in subheading 6307.90.98)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74855. DOOR SWINGS.**5 *Subchapter II of chapter 99 is amended by inserting*6 *in numerical sequence the following new heading:*

“	9902.27.72	<i>Door swings, each comprising two straps wholly of polypropylene and measuring approximately 1.52 m in length, such straps each having two cuffs wholly of velour, an acrylic bar with end caps wholly of polyurethane and two adjustable buckles wholly of polyoxymethylene (provided for in subheading 6307.90.98)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 74856. UNDER BED RESTRAINTS.**8 *Subchapter II of chapter 99 is amended by inserting*9 *in numerical sequence the following new heading:*

“	9902.27.73	<i>Sets of bed restraints designed to restrain a bed's occupant, each comprising four straps wholly of polypropylene and measuring approximately 1.37 m in length, such straps each connected by one large O-ring wholly of iron and having one small O-ring; each restraint with 4 cuffs wholly of velour; such cuffs each with one small O-ring wholly of iron attached to a carabiner hook wholly of zinc alloy and with two buckles wholly of polyoxymethylene, with a hook-and-loop fastener strap wholly of polyester (provided for in subheading 6307.90.98)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74857. FLAT GOLF BAG BODY COMPONENTS, WITHOUT**

2 **BOTTOMS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.27.75	<i>Golf bag bodies made of woven fabric of man-made textile materials, sewn together with pockets and straps, each presented with attached rainhood, top, top wrap and dividers but without bottom (provided for in subheading 6307.90.98), the foregoing each presented without webbing clips or bottom collar</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74858. BATH KNEELER.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.27.76	<i>Knee pads of man-made fiber neoprene fabric, containing no bisphenol A (BPA) or phthalates, measuring approximately 43.2 cm in length by 28 cm in width by 3.3 cm in height (provided for in subheading 6307.90.98)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74859. PILLOW SHELLS, WITH OVAL JACQUARD WEAVE.**

2 *Subchapter II of chapter 99 is amended by inserting*

3 *in numerical sequence the following new heading:*

“	9902.27.77	Pillow shells, each with body of fabric containing by weight 68 percent of polyester, 33 percent of polyethylene and 1 percent of elastomeric fibers and weighing 530 g/m ² , oval jacquard weave made from cooling yarns; the foregoing either (1) each with chamber partition of two-way stretch knitted jersey fabric containing by weight 92 percent of polyester and 8 percent of elastomeric fibers and weighing 150 g/m ² ; with gusset wholly of polyester three-dimensional (3D) warp knit lined by a fabric wholly of microfiber polyester weighing 35 g/m ² , 30 thread count/cm ² ; or (2) with two-chamber construction, with 5 cm mesh gusset lined with fabric wholly of microfiber polyester, such mesh gusset embroidered on each long side, with both top and bottom chambers having an invisible SBS #4 zipper closure measuring approximately 55.9 cm at same long side, with interlayer two-way stretch jersey fabric partitioning such two chambers for a pillow size measuring 43 cm by 61 cm by 5 cm (provided for in subheading 6307.90.98)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74860. TWO-PIECE CAMERA MOUNT KITS.**

5 *Subchapter II of chapter 99 is amended by inserting*

6 *in numerical sequence the following new heading:*

“	9902.27.78	Two-piece camera mount kits of textile materials, presented in sets, designed for cameras of subheading 8525.80.40; each set containing one chest harness of textile materials and one plastic mount designed to securely attach a camera onto tubes measuring 9 to 35 mm in diameter and incorporating a base capable of rotating the camera 360 degrees (provided for in subheading 6307.90.98)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74861. SLEEVE COVERS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.27.79	Sleeve covers of non-woven fabric of man-made fibers (provided for in subheading 6307.90.98)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74862. SPORTS FOOTWEAR FOR MEN, VALUED OVER**
 5 **\$20 PER PAIR.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.27.80	Sports footwear with outer soles and uppers of rubber or plastics, valued over \$20/pr, for men (provided for in subheading 6402.19.90); the foregoing other than golf or cycling footwear for men described in other provisions of this subchapter	6.9%	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 74863. SPORTS FOOTWEAR FOR WOMEN, VALUED OVER**
 9 **\$20 PER PAIR.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.27.81	Sports footwear with outer soles and uppers of rubber or plastics, valued over \$20/pr, for persons other than men (provided for in subheading 6402.19.90); the foregoing other than golf or cycling footwear for persons other than men and described in other provisions of this subchapter ..	7.6%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74864. MEN’S CYCLING SHOES VALUED OVER \$18 PER**
 2 **PAIR.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.27.82	<i>Cycling shoes with outer soles and uppers of rubber or plastics, valued over \$18/pr, for men, the foregoing having a cleat mounting system on the sole for attaching to bicycle pedals (provided for in subheading 6402.19.90), the foregoing other than winter cycling boots</i>	4.6%	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74865. WOMEN’S CYCLING SHOES VALUED OVER \$16**
 6 **PER PAIR.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.27.83	<i>Cycling shoes with outer soles and uppers of rubber or plastics, valued over \$16/pr, for women, having a cleat mounting system on the sole for attaching to bicycle pedals (provided for in subheading 6402.19.90); the foregoing other than winter cycling boots for women</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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9 **SEC. 74866. MEN’S GOLF SHOES WITH OUTERS AND UPPERS**
 10 **OF RUBBER OR PLASTICS, VALUED OVER \$20**
 11 **PER PAIR.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.27.84	<i>Golf shoes with outer soles and uppers of rubber or plastics, for men, such shoes whether designed to be worn on-course, off-course or both, the foregoing with spikes, sprigs, cleats, stops, clips, bars or the like intended to enhance traction and grip, valued over \$20/pr (provided for in subheading 6402.19.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74867. GOLF SHOES OTHER THAN FOR MEN, WITH**
 2 **OUTERS AND UPPERS OF RUBBER OR PLAS-**
 3 **TICS, VALUED OVER \$20 PER PAIR.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.27.85	<i>Golf shoes with outer soles and uppers of rubber or plastics, whether designed to be worn on- or off-course, the foregoing with spikes, sprigs, cleats, stops, clips, bars or the like intended to enhance traction and grip, valued over \$20/pr, for persons other than men (provided for in subheading 6402.19.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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6 **SEC. 74868. WINTER CYCLING BOOTS FOR MEN.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.27.86	<i>Winter cycling boots for men, designed to be compatible with flat or clipless pedals, the foregoing with or without removable liner, with boa closure system and lugged rubber outsole with microglass inserts (provided for in subheading 6402.19.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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9 **SEC. 74869. WINTER CYCLING BOOTS FOR WOMEN.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.27.87	Winter cycling boots with outer soles and uppers of rubber or plastics, for women, designed to be compatible with flat or clipless pedals, with or without removable liner, the foregoing with boa closure system and lugged rubber outsole with microglass inserts (provided for in subheading 6402.19.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74870. MEN’S PROTECTIVE ACTIVE FOOTWEAR WITH**
 2 **WATERPROOF SOLES, VALUED OVER \$26 PER**
 3 **PAIR, COVERING THE ANKLE.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.27.88	Protective active footwear for men (except footwear with waterproof molded bottoms, including bottoms comprising an outer sole and all or part of the upper and except footwear with insulation that provides protection against cold weather) whose height from the bottom of the outer sole to the top of the upper does not exceed 15.34 cm, valued over \$26/pr; where such protection is imparted by the use of a laminated textile and has openings in the bottom and/or side of the sole, or covered openings in the upper above the sole unit, or a combination thereof, designed to vent moisture (provided for in subheading 6402.91.42), the foregoing other than footwear described in heading 9902.13.95	Free	No change	No change	On or before 12/31/2023 ...”.
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6 **SEC. 74871. WOMEN’S PROTECTIVE ACTIVE FOOTWEAR WITH**
 7 **WATERPROOF SOLES, VALUED OVER \$27 PER**
 8 **PAIR, 15.35–25.4 CM IN HEIGHT.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.27.89	Footwear for women, with outer soles and uppers of rubber or plastics (other than footwear described in subheading note 1 to chapter 64) that is designed for outdoor activities, such as hiking shoes, trekking shoes, running shoes and trail running shoes, which provides protection against water where such protection is imparted by the use of a laminated textile and has openings in the bottom and/or side of the sole, or covered openings in the upper above the sole unit, or a combination thereof, designed to permit moisture vapor transport from under the foot, with or without insulation, whose height from the bottom is at least 15.35 cm and does not exceed 25.4 cm, valued over \$27/pr (provided for in subheading 6402.91.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74872. CHILDREN’S PROTECTIVE ACTIVE FOOTWEAR**
 2 **WITH WATERPROOF SOLES, VALUED OVER \$18**
 3 **PER PAIR.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.27.90	Footwear for persons other than men or women, with outer soles and uppers of rubber or plastics (other than footwear described in subheading note 1 to chapter 64), that is designed for outdoor activities, such as hiking shoes, trekking shoes, running shoes and trail running shoes which provides protection against water where such protection is imparted by the use of a laminated textile and has openings in the bottom and/or side of the sole, or covered openings in the upper above the sole unit, or a combination thereof, designed to permit moisture vapor transport from under the foot, valued over \$18/pr (provided for in subheading 6402.91.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74873. MEN’S PROTECTIVE ACTIVE FOOTWEAR WITH**
 2 **WATERPROOF SOLES, VALUED OVER \$27 PER**
 3 **PAIR, 15.35–25.4 CM IN HEIGHT.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.27.91	<i>Footwear for men, with outer soles and uppers of rubber or plastics (other than footwear described in subheading note 1 to chapter 64), that is designed for outdoor activities, such as hiking shoes, trekking shoes, running shoes and trail running shoes, valued over \$27/pr, which provides protection against water where such protection is imparted by the use of a laminated textile and has openings in the bottom and/or side of the sole, or covered openings in the upper above the sole unit, or a combination thereof, designed to permit moisture vapor transport from under the foot, with or without insulation, whose height from the bottom is at least 15.35 cm and does not exceed 25.4 cm (provided for in subheading 6402.91.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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6 **SEC. 74874. CHILDREN’S FOOTWEAR VALUED OVER \$15 PER**
 7 **PAIR.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.27.92	Footwear for persons other than men or women, with outer soles and uppers of rubber or plastics (other than footwear described in subheading note 1 to chapter 64), that is designed for outdoor activities, such as hiking shoes, trekking shoes, running shoes and trail running shoes, which provides protection against water that is imparted by the use of a laminated textile fabric, valued over \$15/pr (provided for in subheading 6402.91.50); the foregoing, if valued over \$18/pr, without openings in the bottom and/or side of the sole, or covered openings in the upper above the sole unit, or a combination thereof, designed to permit moisture vapor transport from under the foot	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74875. WOMEN’S PROTECTIVE ACTIVE FOOTWEAR, VAL-**
 2 **UED OVER \$25 PER PAIR, 15.35–25.4 CM IN**
 3 **HEIGHT.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.27.93	Footwear for women, with outer soles and uppers of rubber or plastics (other than footwear described in subheading note 1 to chapter 64), that is designed for outdoor activities, such as hiking shoes, trekking shoes, running shoes and trail running shoes, valued over \$25/pr, which provides protection against water that is imparted by the use of a laminated textile fabric, with or without insulation, whose height from the bottom is at least 15.35 cm and does not exceed 25.4 cm (provided for in subheading 6402.91.50); the foregoing, if valued over \$27/pr, has openings in the bottom and/or side of the sole, or covered openings in the upper above the sole unit, or a combination thereof, designed to permit moisture vapor transport from under the foot	17.4%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74876. WOMEN’S RUBBER OR PLASTIC FOOTWEAR COV-**
 2 **ERING THE ANKLE WITH FOX-LIKE BANDING.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.27.94	Women’s footwear with outer soles and uppers of rubber or plastics, with or without foxing or foxing-like band, such footwear covering the ankle, with closed toe or heel; valued over \$6.50 but not over \$12/pr, the foregoing other than sports footwear and protective or slip-on type footwear (provided for in subheading 6402.91.80)	6.3%	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 74877. CHEER SHOES COVERING THE ANKLE.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.27.95	Women’s footwear with outer soles and uppers of rubber or plastics; such outer soles measuring not over 14 mm in thickness, such footwear covering the ankle, with a welded thermoplastic polyurethane external ankle brace in each shoe, valued over \$12/pr and weighing not more than 0.5 kg/pr (provided for in subheading 6402.91.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 74878. FOOTWEAR FOR WOMEN, WITH 90 PERCENT OF**
 9 **THE EXTERNAL SURFACE OF RUBBER OR**
 10 **PLASTIC, VALUED \$15–\$22 PER PAIR.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.27.96	<i>Footwear for women with outer soles and uppers of rubber or plastics, not covering the ankle, having uppers of which over 90 percent of the external surface area is rubber or plastics, such footwear other than tennis shoes, basketball shoes, gym shoes, training shoes and the like and other than work footwear; the foregoing valued \$15/pr or higher and not over \$22/pr (provided for in subheading 6402.99.31)</i>	5.5%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74879. SIDELINE CHEER SHOES.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.27.97	<i>Women’s footwear with outer soles of rubber or plastics measuring not over 14 mm in thickness and with uppers of plastics, such footwear designed for use in cheerleading activities, weighing no more than 0.5 kg/pr (provided for in subheading 6402.99.31)</i>	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74880. MEN’S ATHLETIC FOOTWEAR, VALUED UNDER \$9**
 5 **PER PAIR.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.27.98	<i>Tennis shoes, basketball shoes, gym shoes, training shoes and the like, with outer soles and uppers of rubber or plastics, the foregoing for men, not covering the ankle and valued not over \$9/pr (provided for in subheading 6402.99.31)</i>	Free	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 74881. ATHLETIC FOOTWEAR FOR WOMEN, VALUED**
 9 **NOT OVER \$9 PER PAIR.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.27.99	<i>Tennis shoes, basketball shoes, gym shoes, training shoes and the like, with outer soles and uppers of rubber or plastics, for women, not covering the ankle, valued not over \$9/pr (provided for in subheading 6402.99.31), the foregoing other than footwear for women designed for use in cheerleading activities</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74882. ATHLETIC FOOTWEAR FOR CHILDREN, VALUED**

2 **NOT OVER \$8 PER PAIR.**

3 *Subchapter II of chapter 99 is amended by inserting*

4 *in numerical sequence the following new heading:*

“	9902.28.01	<i>Tennis shoes, basketball shoes, gym shoes, training shoes and the like, with outer soles and uppers of rubber or plastics, for persons other than men or women, such footwear not covering the ankle and valued not over \$8/pr (provided for in subheading 6402.99.31)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 74883. MEN’S GOLF SHOES, WITH OUTER SOLES AND**

6 **UPPERS OF RUBBER OR PLASTICS, NOT COV-**

7 **ERING THE ANKLE, VALUED \$15 PER PAIR OR**

8 **OVER.**

9 *Subchapter II of chapter 99 is amended by inserting*

10 *in numerical sequence the following new heading:*

“	9902.28.02	<i>Men’s golf shoes, designed to be worn on- or off- course, with outer soles and uppers of rubber or plastics, not covering the ankle, having uppers of which over 90 percent of the external surface area is rubber or plastics, valued \$15/pr or higher (provided for in subheading 6402.99.31)</i>	<i>3.3%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74884. GOLF SHOES OTHER THAN FOR MEN, WITH**
 2 **OUTER SOLES AND UPPERS OF RUBBER OR**
 3 **PLASTICS, NOT COVERING THE ANKLE, VAL-**
 4 **UED \$15 PER PAIR OR OVER.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.28.03	<i>Golf shoes, designed to be worn on- or off-course, with outer soles and uppers of rubber or plastics, not covering the ankle, having uppers of which over 90 percent of the external surface area is rubber or plastics, valued \$15/pr or higher, for persons other than men (provided for in subheading 6402.99.31)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 74885. MEN’S RUBBER/PLASTIC FOOTWEAR, VALUED**
 8 **NOT OVER \$5 PER PAIR.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.28.04	<i>Footwear for men, with outer soles and uppers of rubber or plastics, not covering the ankle, valued not over \$5/pr, the foregoing other than house slippers, work footwear and tennis shoes, basketball shoes, gym shoes, training shoes and the like (provided for in subheading 6402.99.31)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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11 **SEC. 74886. WOMEN’S RUBBER/PLASTIC FOOTWEAR, VALUED**
 12 **NOT OVER \$6 PER PAIR.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.28.05	<i>Footwear for women, with outer soles and uppers of rubber or plastics, not covering the ankle, valued not over \$6/pr, the foregoing other than house slippers, work footwear and tennis shoes, basketball shoes, gym shoes, training shoes and the like (provided for in subheading 6402.99.31)</i>	4.3%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74887. CHILDREN’S ATHLETIC SHOES WITH GLITTER**

2 **UPPERS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.28.06	<i>Tennis shoes, basketball shoes, gym shoes, training shoes and the like, having a foxing or a foxing-like band, other than for men or women; such footwear with outer soles and uppers of rubber or plastics with such uppers entirely covered with glitter on the exterior surface, valued over \$6.50 but not over \$12/pr (provided for in subheading 6402.99.80)</i>	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 74888. CHEER SHOES WITH SOLE LESS THAN 12 MM.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.28.07	<i>Women’s footwear with outer soles and uppers of rubber or plastics, each sole measuring not over 12 mm in thickness, the foregoing footwear designed for use in cheerleading activities, valued over \$12/pr and weighing not over 0.5 kg/pr (provided for in subheading 6402.99.90)</i>	1%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74889. MEN’S GOLF SHOES WITH OUTERS AND UPPERS**
 2 **OF RUBBER OR PLASTICS, VALUED OVER \$19**
 3 **PER PAIR.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.28.08	Golf shoes for men, designed to be worn on- or off-course, with outer soles and uppers of rubber or plastics, valued over \$19/pr (provided for in sub-heading 6402.99.90)	7.1%	No change	No change	On or before 12/31/2023 ... ”.
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6 **SEC. 74890. GOLF SHOES OTHER THAN FOR MEN, OUTER**
 7 **SOLES AND UPPERS OF RUBBER OR PLAS-**
 8 **TICS, VALUED OVER \$19 PER PAIR.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.28.09	Golf shoes with outer soles and uppers of rubber or plastics, designed to be worn on- or off-courses, such footwear valued over \$19/pr, for persons other than men (provided for in sub-heading 6402.99.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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11 **SEC. 74891. MEN’S GOLF SHOES, OUTER SOLES OF RUBBER,**
 12 **PLASTICS, LEATHER OR COMPOSITION**
 13 **LEATHER AND UPPERS OF LEATHER (EXCEPT**
 14 **PIGSKIN UPPERS).**

15 *Subchapter II of chapter 99 is amended by inserting*
 16 *in numerical sequence the following new heading:*

“ 9902.28.10	Golf shoes for men, with outer soles of rubber, plastics, leather or composition leather and uppers of leather (except pigskin uppers), not welt, the foregoing with spikes, sprigs, cleats, stops, clips, bars or the like intended to enhance traction and grip and other than footwear which contains laminated textile with openings in the bottom and/or side of the sole or covered openings in the upper above the sole, or a combination thereof, designed to vent moisture (provided for in sub-heading 6403.19.30)	5%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74892. MEN’S OXFORD WORK FOOTWEAR WITH METAL**
 2 **SAFETY TOE AND INTERNAL METATARSAL**
 3 **PROTECTION.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“ 9902.28.11	Footwear for men, with outer soles of rubber or plastics and uppers of leather, not covering the ankle, each incorporating a protective toe cap of metal materials and an internal metatarsal guard meeting or exceeding ASTM F2413 standards (provided for in sub-heading 6403.40.60)	Free	No change	No change	On or before 12/31/2023 ... ”.
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6 **SEC. 74893. OXFORD-STYLE LEATHER FOOTWEAR WITH**
 7 **METAL SAFETY TOE AND STATIC DISSIPATING**
 8 **PROTECTION.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.28.12	<i>Footwear for men or women, with outer soles of rubber or plastics and uppers of leather, not covering the ankle, each incorporating a protective toe cap of metal and with electrostatic dissipating properties meeting ASTM F2413 standards with an ESD classification of SD-10 (provided for in subheading 6403.40.60)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74894. WOMEN’S LEATHER FOOTWEAR, LINED WITH**
 2 **PIGSKIN WITH ZIPPER, VALUED \$47–\$60 PER**
 3 **PAIR.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.28.13	<i>Footwear for women, with outer soles and uppers of leather, covering the ankle, each with zipper closure, lined wholly or in part with pigskin, valued over \$47 but not over \$60/pr, whose height from the bottom of the outer sole to the top of the upper is over 43 cm, with a heel height over 60 mm (provided for in subheading 6403.51.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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6 **SEC. 74895. WOMEN’S LEATHER FOOTWEAR, LINED WITH**
 7 **PIGSKIN, VALUED \$31–\$40 PER PAIR.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.28.14	<i>Footwear for women, with outer soles and uppers of leather, covering the ankle, each lined wholly or in part with pigskin, with zipper closure, valued over \$31 but not over \$40/pr, whose height from the bottom of the outer sole to the top of the upper does not exceed 21 cm, with a heel height over 70 mm (provided for in subheading 6403.51.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74896. WOMEN’S SLIP-ON COW/CALF HAIR FOOTWEAR,**
 2 **VALUED \$50–\$60 PER PAIR.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.28.15	Footwear of the slip-on type for women with outer soles and uppers of leather, covering the ankle, lined wholly or in part with pigskin, valued over \$50 but not over \$60/pr, whose height from the bottom of the outer sole to the top of the upper is over 50 cm, with a heel height over 90 mm (provided for in subheading 6403.51.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74897. WOMEN’S LEATHER FOOTWEAR LINED WITH**
 6 **SHEEPSKIN.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.28.16	Footwear for women with outer soles and uppers of leather, having open toe and/or open heel and with buckle closure, with lining wholly or in part of sheepskin, valued over \$23 but not over \$27/pr, heel height under 26 mm (provided for in subheading 6403.59.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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9 **SEC. 74898. WOMEN’S LEATHER SLIP-ON FOOTWEAR LINED**
 10 **WITH SHEEP LEATHER.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.28.17	<i>Footwear for women, with outer soles and uppers of leather, each with open toe and/or open heel; of the slip-on type, that is, held to the foot without the use of laces or buckles or other fasteners; lined wholly or in part of sheep leather; valued over \$18 but not over \$26/pr; with heel height over 60 mm but not over 90 mm (provided for in subheading 6403.59.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74899. WOMEN’S LEATHER SLIP-ON FOOTWEAR LINED**
 2 **WITH PIGSKIN.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.28.18	<i>Footwear for women with outer soles and uppers of leather; of the slip-on type, that is, held to the foot without the use of laces or buckles or other fasteners; with lining wholly or in part of pigskin, valued over \$21 but not over \$27/pr; heel height under 26 mm (provided for in subheading 6403.59.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 74900. WOMEN’S LEATHER FOOTWEAR, LINED WITH**
 6 **PIGSKIN, VALUED \$21–\$27 PER PAIR.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.28.19	<i>Footwear for women with outer soles and uppers of leather, with open toe and/or open heel and with buckle closure, with lining wholly or in part of pigskin, valued over \$21 but not over \$27/pr, with heel height over 60 mm but not over 90 mm (provided for in subheading 6403.59.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74901. MEN'S MID-CUT WORK FOOTWEAR WITH COM-**
 2 **POSITE SAFETY TOE AND WATERPROOF**
 3 **LEATHER UPPERS.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.28.20	Work footwear for men, with outer soles of rubber or plastics and uppers of leather, covering the ankle to a height of less than 15.24 cm, each incorporating a protective toe cap of materials other than metal and with waterproof leather upper (provided for in sub-heading 6403.91.60)	Free	No change	No change	On or before 12/31/2023 ... ”.
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6 **SEC. 74902. MEN'S LEATHER UPPER FOOTWEAR, SAN**
 7 **CRISPINO CONSTRUCTION, VALUED OVER \$32**
 8 **PER PAIR.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.28.21	Footwear for men, with uppers of leather (other than pigskin) and outer soles of rubber or plastics (except vulcanized footwear and footwear with waterproof molded or vulcanized bottoms, including bottoms comprising an outer sole and all or part of the upper), valued over \$32/pr, covering the ankle but not covering the knee; other than work footwear, tennis shoes, basketball shoes, gym shoes, training shoes and the like, and other than footwear designed as a protection against water; the foregoing footwear incorporating a stitch-down footwear construction technique where upper material is flared outward and wrapped around and under the edge of an extended insole board and the upper is then stitched close to the last and cemented to the sole (provided for in sub-heading 6403.91.60)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74903. MEN’S LEATHER UPPER ATHLETIC FOOTWEAR.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.28.22	<i>Tennis shoes, basketball shoes, gym shoes, training shoes and the like, for men, with uppers of leather (other than pigskin) and outer soles of rubber or plastics, in which elastic strips are attached to either side of the tongue and anchored beneath the insole (provided for in subheading 6403.91.60)</i>	7.6%	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74904. WOMEN’S FOOTWEAR WITH LEATHER UPPERS,**
 5 **LINED WITH PIGSKIN, VALUED \$37-\$43 PER**
 6 **PAIR.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.28.23	<i>Footwear for women, with outer soles of rubber or plastics and uppers of leather, each with closed toe and closed heel, covering the ankle, zipper closure, lined wholly or in part with pigskin, whose height from the bottom of the outer sole to the top of the upper is over 42 cm but not over 49 cm, valued over \$37 but not over \$43/pr (provided for in subheading 6403.91.90)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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9 **SEC. 74905. WOMEN’S FOOTWEAR WITH LEATHER UPPERS,**
 10 **LINED WITH PIGSKIN, VALUED \$88-\$102 PER**
 11 **PAIR.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.28.24	<i>Footwear for women, with outer soles of rubber or plastics and uppers of leather, each with closed toe and closed heel, covering the ankle and calf of the leg, zipper closure, lined wholly or in part with pigskin, whose height from the bottom of the outer sole to the top of the upper is over 47 cm but not over 49 cm, valued over \$88 but not over \$102/pr (provided for in subheading 6403.91.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74906. WOMEN’S FOOTWEAR WITH LEATHER UPPERS,**
 2 **LINED WITH PIGSKIN, VALUED \$24–\$32 PER**
 3 **PAIR.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.28.25	<i>Footwear for women, with uppers of leather and outer soles of rubber or plastics, each with closed toe and closed heel, covering the ankle and with zipper closure, lined wholly or in part with pigskin, whose height from the bottom of the outer sole to the top of the upper is over 15 cm but not over 24 cm, with a heel height at least 85 mm, valued over \$24 but not over \$32/pr (provided for in subheading 6403.91.90)</i>	<i>3.8%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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6 **SEC. 74907. WOMEN’S FOOTWEAR WITH LEATHER UPPERS,**
 7 **LINED WITH PIGSKIN, VALUED \$57–\$62 PER**
 8 **PAIR.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.28.26	Footwear for women, with outer soles of rubber or plastics and uppers of leather, each with closed toe and closed heel, with the shaft of the boot covering the ankle but not extending to the knee, zipper closure, lined wholly or in part with pigskin, whose height from the bottom of the outer sole to the top of the upper is over 23 cm but not over 25 cm and with a heel height over 90 mm, such footwear valued over \$57 but not over \$62/pr (provided for in subheading 6403.91.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74908. WOMEN’S FOOTWEAR WITH LEATHER UPPERS,**
 2 **STRAP WITH CLOSED TOE AND OPEN HEEL.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.28.27	Footwear for women, with outer soles of rubber or plastics and uppers of leather, each with closed toe and open heel, a strap covering the ankle and zipper closure, valued over \$24 but not over \$26/pr (provided for in subheading 6403.91.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 74909. OPEN TOE WOMEN’S FOOTWEAR, VALUED OVER**
 6 **\$23 BUT NOT OVER \$27 PER PAIR.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.28.28	Footwear for women, with outer soles of rubber or plastics and uppers of leather, each with open toe, covering the ankle, having zipper closure at the medial side, lined wholly or in part with pigskin, whose height from the bottom of the outer sole to the top of the upper does not exceed 18 cm, valued over \$23 but not over \$27/pr (provided for in subheading 6403.91.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74910. SLIP-ON FOOTWEAR FOR WOMEN, VALUED OVER**
 2 **\$24 BUT NOT OVER \$27 PER PAIR.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.28.29	<i>Footwear for women, with outer soles of rubber or plastics and uppers of leather, each with closed toe and closed heel, of the slip-on type, covering the ankle but not extending past the mid-calf, lined wholly or in part with pigskin, valued over \$24 but not over \$27/pr (provided for in subheading 6403.91.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 74911. WOMEN’S FOOTWEAR WITH LEATHER UPPERS,**
 6 **LINED WITH PIGSKIN, CLOSED TOE OR HEEL**
 7 **WITH FUNCTIONAL ZIPPERS ON SIDES.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.28.30	<i>Footwear for women, with outer soles of rubber or plastics and uppers of leather, each with closed toe and closed heel, covering the ankle, functional zipper on the medial side and a functional zipper on the lateral side, lined wholly or in part with pigskin, with foxing or foxing-like band, whose height from the bottom of the outer sole to the top of the upper does not exceed 14 cm, valued over \$18 but not over \$22/pr (provided for in subheading 6403.91.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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10 **SEC. 74912. WOMEN’S FOOTWEAR WITH LEATHER UPPERS,**
 11 **LINED WITH PIGSKIN, CLOSED TOE OR HEEL**
 12 **WITH ZIPPER CLOSURE, HEIGHT OF 43–48 CM.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.28.31	<i>Footwear for women, with outer soles of rubber or plastics and uppers of leather, each with closed toe and closed heel, covering the ankle, zipper closure, lined wholly or in part with pigskin, whose height from the bottom of the outer sole to the top of the upper is over 43 cm but not over 48 cm, valued over \$43 but not over \$57/pr (provided for in subheading 6403.91.90)</i>	4.8%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74913. WOMEN’S FOOTWEAR WITH LEATHER UPPERS,**
 2 **LINED WITH PIGSKIN COVERING THE KNEE.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.28.32	<i>Footwear for women, with outer soles of rubber or plastics and uppers of leather, each with closed toe and closed heel, covering the knee, zipper closure, lined wholly or in part with pigskin, valued over \$40 but not over \$45/pr (provided for in subheading 6403.91.90)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74914. WOMEN’S FOOTWEAR WITH LEATHER UPPERS,**
 6 **LINED WITH PIGSKIN, CLOSED TOE OR HEEL**
 7 **WITH ZIPPER CLOSURE, HEIGHT OF 48–52 CM.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.28.33	<i>Footwear for women, with uppers of leather and outer soles of rubber or plastics, each with closed toe and closed heel, whose height from the bottom of the outer sole to the top of the upper is over 48 cm but not over 52 cm, zipper closure, lined wholly or in part with pigskin, valued over \$76 but not over \$80/pr (provided for in subheading 6403.91.90)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74915. WOMEN’S FOOTWEAR WITH LEATHER UPPERS,**
 2 **OPEN TOE WITH STRAP AND BUCKLE, VALUED**
 3 **\$14–\$25 PER PAIR.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.28.34	<i>Footwear for women, with outer soles of rubber or plastics and uppers of leather, open toe, each with a strap that wraps around the leg and a functional buckle, valued over \$14 but not over \$25/pr (provided for in subheading 6403.91.90)</i>	5.1%	No change	No change	On or before 12/31/2023 ...”.
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6 **SEC. 74916. WOMEN’S SLIP-ON FOOTWEAR WITH BOVINE**
 7 **LEATHER UPPERS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.28.35	<i>Footwear for women, with outer soles of rubber or plastics and uppers of bovine leather, each with closed toe and closed heel, of the slip-on type and with elasticized straps around the ankle, such footwear valued over \$12 but not over \$14/pr (provided for in subheading 6403.91.90)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74917. WOMEN’S FOOTWEAR WITH LEATHER UPPERS,**
 11 **LINED WITH PIGSKIN WITH ADJUSTABLE**
 12 **LACES.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.28.36	Footwear for women, with outer soles of rubber or plastics and uppers of leather, closed toe and heel, such footwear covering the ankle, having closure with adjustable laces, lined wholly or in part with pigskin, whose height from the bottom of the outer sole to the top of the upper is over 21 cm but not over 23 cm, with a heel height of at least 75 mm, valued over \$36 but not over \$38/pr (provided for in sub-heading 6403.91.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74918. MEN’S WATERPROOF LEATHER FOOTWEAR, VAL-**
 2 **UED \$27 PER PAIR OR HIGHER.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.28.37	Footwear for men, with uppers of leather (other than of pigskin) and outer soles of rubber or plastics (other than house slippers, work footwear, tennis shoes, basketball shoes, gym shoes, training shoes and the like, and other than slip-on footwear), such footwear not covering the ankle, valued \$27/pr or higher, designed to be worn in lieu of, but not over, other footwear as a protection against water, oil, grease or chemicals or cold or inclement weather where such protection includes protection against water that is imparted by the use of a laminated textile fabric (provided for in sub-heading 6403.99.60), the fore-going other than footwear with openings in the bottom and/or side of the sole, or covered openings in the upper above the sole unit, or a combination thereof, designed to vent moisture	4.1%	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74919. MEN’S OR BOYS’ GOLF SHOES, VALUED \$30 PER**
 6 **PAIR OR HIGHER.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.28.38	<i>Golf shoes for men, youths and boys, designed to be worn on- or off-course, with outer soles of rubber, plastics, leather or composition leather and uppers of leather (except pigskin uppers), valued \$30/pr or higher, such footwear not covering the ankle, other than footwear which contains laminated textile with openings in the bottom and/or side of the sole or covered openings in the upper above the sole, or a combination thereof, designed to vent moisture (provided for in subheading 6403.99.60)</i>	4.7%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74920. COMPETITIVE CHEER SHOES WITH LEATHER**
 2 **UPPERS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.28.39	<i>Women’s footwear with uppers of leather and outer soles of rubber or plastics, such soles measuring not over 9 mm in thickness, the foregoing designed for use in cheerleading activities, valued over \$2.50/pr and weighing no more than 0.5 kg/pr (provided for in subheading 6403.99.90)</i>	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 74921. CHILDREN’S WATERPROOF LEATHER FOOT-**
 6 **WEAR, NOT COVERING THE ANKLE, VALUED**
 7 **\$14 PER PAIR OR HIGHER.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.28.40	Footwear for persons other than men or women, with uppers of leather (other than of pigskin) and outer soles of rubber or plastics (other than house slippers, work footwear, tennis shoes, basketball shoes, gym shoes, training shoes and the like and other than slip-on footwear), not covering the ankle, valued \$14/pr or higher; such footwear designed to be worn in lieu of, but not over, other footwear as a protection against water, oil, grease or chemicals or cold or inclement weather where such protection includes protection against water that is imparted by the use of a laminated textile fabric (provided for in subheading 6403.99.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74922. WOMEN’S FOOTWEAR WITH LEATHER UPPERS,**
 2 **OPEN TOE WITH STRAP AND BUCKLE, VALUED**
 3 **\$12.50–\$28 PER PAIR.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.28.41	Footwear for women, with outer soles of rubber or plastics and uppers of leather, each with open toe, a strap that covers less than 50 percent of the ankle bone and includes a functional buckle and a heel height of at least 40 mm but no higher than 110 mm, valued at \$12.50 or more but not over \$28/pr (provided for in subheading 6403.99.90)	6.6%	No change	No change	On or before 12/31/2023 ... ”.
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6 **SEC. 74923. WOMEN’S FOOTWEAR WITH LEATHER UPPERS,**
 7 **CLOSED TOE WITH STRAP AND BUCKLE.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.28.42	<i>Footwear for women, with outer soles of rubber or plastics and uppers of leather, each with closed toe, a strap that covers less than 50 percent of the ankle bone and includes a functional buckle, a heel height of at least 40 mm but no higher than 110 mm, valued at \$16 or more but not over \$20/pr (provided for in subheading 6403.99.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74924. WOMEN’S FOOTWEAR WITH LEATHER UPPERS,**
 2 **WITH STRAP AND BUCKLE, VALUED \$27–\$40**
 3 **PER PAIR.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.28.43	<i>Footwear for women, with outer soles of rubber or plastics and uppers of leather, each with a strap that wraps around the leg above the ankle bone and includes a functional buckle, a heel height of 92 mm or more but not over 97 mm, valued at \$27 or more but not over \$40/pr (provided for in subheading 6403.99.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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6 **SEC. 74925. WOMEN’S FOOTWEAR WITH LEATHER UPPERS,**
 7 **WITH STRAP AND BUCKLE, VALUED \$12.70–**
 8 **\$18.70 PER PAIR.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.28.44	<i>Footwear for women, with outer soles of rubber or plastics and uppers of leather, each with a strap that wraps around the leg above the ankle bone and includes a functional buckle, a heel height of at least 75 mm but no higher than 105 mm, valued at \$12.70 or more but not over \$18.70/pr (provided for in subheading 6403.99.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74926. CHILDREN’S LEATHER UPPER ATHLETIC FOOT-**
 2 **WEAR, VALUED NOT OVER \$9 PER PAIR.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.28.45	<i>Tennis shoes, basketball shoes and the like, for persons other than men or women, such footwear with uppers of leather and outer soles of rubber or plastics, valued over \$2.50/pr but not over \$9/pr (provided for in subheading 6403.99.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 74927. MEN’S ATHLETIC TYPE FOOTWEAR WITH UP-**
 6 **PERS OF TEXTILE MATERIALS OF VEGETABLE**
 7 **FIBERS AND OUTER SOLES OF RUBBER OR**
 8 **PLASTIC WITH TEXTILE FLOCKING.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.28.46	<i>Men’s footwear with uppers of vegetable fibers and outer soles of rubber or plastics, having outer soles with textile materials having the greatest surface area in contact with the ground, of an athletic type, with or without foxing or foxing-like band; such footwear valued over \$6.50 but not over \$12/pr (provided for in subheading 6404.11.81)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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11 **SEC. 74928. ATHLETIC FOOTWEAR FOR MEN, WITH A BEL-**
 12 **LOWS TONGUE, VALUED OVER \$6.50 BUT NOT**
 13 **OVER \$12 PER PAIR.**

14 *Subchapter II of chapter 99 is amended by inserting*
 15 *in numerical sequence the following new heading:*

“	9902.28.49	<i>Tennis shoes, basketball shoes, gym shoes, training shoes and the like, for persons other than men and women, such footwear with outer soles of rubber or plastics and uppers of textile materials other than vegetable fibers, having a bellows tongue, valued over \$6.50 but not over \$12/pr, such outer soles with textile materials having the greatest surface area in contact with the ground but not taken into account under the terms of additional U.S. note 5 to chapter 64 (provided for in subheading 6404.11.85)</i>	7.7%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74931. ATHLETIC FOOTWEAR FOR MEN, VALUED OVER**

2 **\$6.50 BUT NOT OVER \$9 PER PAIR.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.28.50	<i>Tennis shoes, basketball shoes, gym shoes, training shoes and the like, for men, with outer soles of rubber or plastics and uppers of textile materials other than vegetable fibers, in which elastic strips are attached to either side of the tongue and anchored beneath the insole, valued over \$6.50 but not over \$9/pr, such outer soles with textile materials having the greatest surface area in contact with the ground but not taken into account under the terms of additional U.S. note 5 to chapter 64 (provided for in subheading 6404.11.85)</i>	10.3%	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 74932. ATHLETIC FOOTWEAR FOR CHILDREN, VALUED**

6 **OVER \$6.50 BUT NOT OVER \$9 PER PAIR.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.28.51	<i>Tennis shoes, basketball shoes, gym shoes, training shoes and the like, for persons other than men or women, such footwear with outer soles of rubber or plastics and uppers of textile materials other than vegetable fibers, in which elastic strips are attached to either side of the tongue and anchored beneath the insole, valued over \$6.50 but not over \$9/pr, such outer soles with textile materials having the greatest surface area in contact with the ground but not taken into account under the terms of additional U.S. note 5 to chapter 64 (provided for in subheading 6404.11.85)</i>	6.8%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74933. MEN’S WATERPROOF FOOTWEAR, VALUED OVER**
 2 **\$15 PER PAIR, COVERING THE ANKLE.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.28.52	<i>Footwear for men, with outer soles of rubber and uppers of textile materials (except vulcanized footwear and footwear with waterproof molded or vulcanized bottoms, including bottoms comprising an outer sole and all or part of the upper, and except footwear designed to be protective that is incomplete in its condition as imported), each with closed toe and closed heel, covering the ankle, lace-up, athletic type, valued over \$15/pr, other than ski boots, cross country ski footwear and snowboard boots; such footwear designed to be worn in lieu of, but not over, other footwear as a protection against water, oil, grease or chemicals or cold or inclement weather where such protection is imparted by the use of a laminated textile in the upper (provided for in subheading 6404.11.90)</i>	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74934. MEN’S WATERPROOF FOOTWEAR, VALUED OVER**
 2 **\$13 PER PAIR, NOT COVERING THE ANKLE.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.28.53	Footwear for men, with outer soles of rubber and uppers of textile materials (except vulcanized footwear and footwear with waterproof molded or vulcanized bottoms, including bottoms comprising an outer sole and all or part of the upper, and except footwear designed to be protective that is incomplete in its condition as imported), each with closed toe and closed heel, not covering the ankle, lace-up, athletic type, valued over \$13/pr; other than ski boots, cross country ski footwear and snowboard boots; the foregoing footwear designed to be worn in lieu of, but not over, other footwear as a protection against water, oil, grease or chemicals or cold or inclement weather where such protection is imparted by the use of a laminated textile in the upper (provided for in sub-heading 6404.11.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74935. WOMEN’S WATERPROOF FOOTWEAR, VALUED**
 6 **OVER \$15 PER PAIR, COVERING THE ANKLE.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“ 9902.28.54	Footwear for women, with outer soles of rubber and uppers of textile materials (except vulcanized footwear and footwear with waterproof molded or vulcanized bottoms, including bottoms comprising an outer sole and all or part of the upper, and except footwear designed to be protective that is incomplete in its condition as imported), each with closed toe and closed heel, covering the ankle, lace-up, athletic type, valued over \$15/pr; other than ski boots, cross country ski footwear and snowboard boots; the foregoing footwear designed to be worn in lieu of, but not over, other footwear as a protection against water, oil, grease or chemicals or cold or inclement weather where such protection is imparted by the use of a laminated textile in the upper (provided for in subheading 6404.11.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74936. WOMEN’S WATERPROOF FOOTWEAR, VALUED**
 2 **OVER \$13 PER PAIR, NOT COVERING THE**
 3 **ANKLE.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.28.55	Footwear for women, with outer soles of rubber and uppers of textile materials (except vulcanized footwear and footwear with waterproof molded or vulcanized bottoms, including bottoms comprising an outer sole and all or part of the upper, and except footwear designed to be protective that is incomplete in its condition as imported), each with closed toe and closed heel, below the ankle, lace-up, athletic type, valued over \$13/pr, other than ski boots, cross country ski footwear and snowboard boots; such footwear designed to be worn in lieu of, but not over, other footwear as a protection against water, oil, grease or chemicals or cold or inclement weather where such protection is imparted by the use of a laminated textile in the upper (provided for in subheading 6404.11.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74937. CHEER SHOES WITH UPPERS OF TEXTILE MATE-**
 2 **RIALS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.28.56	Footwear for women, with outer soles of rubber or plastics measuring not over 14 mm in thickness and with uppers of textile materials, such footwear designed for use in cheerleading activities, valued over \$12/ pr and weighing no more than 0.5 kg/pr (provided for in subheading 6404.11.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74938. MEN’S GOLF SHOES, UPPERS OF TEXTILE MATE-**
 6 **RIALS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.28.57	<i>Golf shoes designed to be worn on- or off- course, for men, with outer soles of rubber or plastics and uppers of textile materials, the foregoing with spikes, sprigs, cleats, stops, clips, bars or the like intended to enhance traction and grip, valued at \$15/pr or higher, other than footwear which contains laminated textile with openings in the bottom and/or side of the sole or covered openings in the upper above the sole, or a combination thereof, designed to vent moisture (provided for in sub-heading 6404.11.90)</i>	16.6%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74939. GOLF SHOES OTHER THAN FOR MEN, UPPERS**
 2 **OF TEXTILE MATERIALS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.28.58	<i>Golf shoes other than for men, designed to be worn on- or off- course, with outer soles of rubber or plastics and uppers of textile materials, the foregoing with spikes, sprigs, cleats, stops, clips, bars or the like intended to enhance traction and grip, valued over \$15/pr or higher, other than footwear which contains laminated textile with openings in the bottom and/or side of the sole or covered openings in the upper above the sole, or a combination thereof, designed to vent moisture (provided for in sub-heading 6404.11.90)</i>	2.1%	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 74940. WOMEN’S FOOTWEAR WITH TEXTILE UPPERS**
 6 **AND 50 PERCENT OR MORE OF THE SURFACE**
 7 **AREA OF WHICH IS LEATHER.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.28.59	<i>Footwear for women, with outer soles of rubber or plastics and uppers of textile materials, having uppers of which over 50 percent of the external surface area (including any leather accessories or reinforcements) is leather, the foregoing other than sports footwear, tennis shoes, basketball shoes, training shoes and the like (provided for in subheading 6404.19.15)</i>	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74941. SHOE AND BOOT COVERS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.28.60	<i>Footwear comprising shoe and boot covers, each measuring 10 cm or more in length and less than 50 cm in length and 10 cm or more in height and less than 50 cm in height, with outer soles plastics and uppers of non-woven fabric (provided for in subheading 6404.19.20)</i>	23.7 %	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74942. WOMEN’S FOOTWEAR WITH TEXTILE UPPERS,**
 5 **OPEN TOES OR HEELS, VALUED \$15–\$30 PER**
 6 **PAIR.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.28.61	<i>Footwear with outer soles of rubber or plastics, with uppers of textile material other than vegetable fibers and having outer soles with textile materials having the greatest surface area in contact with the ground, but not taken into account under the terms of additional note U.S. note 5 to chapter 64, with open toes or open heels or of the slip-on type, weighing 10 percent or more of rubber or plastics, valued \$15/pr or higher but not more than \$30/pr; the foregoing for women (other than house slippers) (provided for in subheading 6404.19.37)</i>	11.3%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74943. MEN’S TEXTILE UPPER FOOTWEAR, WITH OPEN**
 2 **TOES OR OPEN HEELS, VALUED NOT OVER \$12**
 3 **PER PAIR.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.28.62	<i>Footwear for men, with open toes or open heels, other than house slippers; the foregoing with outer soles of rubber or plastics and uppers of textile materials, such uppers consisting of straps not exceeding 26 mm in width and having no heel straps, valued not over \$12/pr (provided for in subheading 6404.19.39)</i>	16.4%	No change	No change	On or before 12/31/2023 ...”.
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6 **SEC. 74944. WOMEN’S TEXTILE UPPER FOOTWEAR, WITH**
 7 **OPEN TOES OR OPEN HEELS, VALUED NOT**
 8 **OVER \$12 PER PAIR.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.28.63	<i>Footwear for women, with open toes or open heels and other than house slippers; such footwear with outer soles of rubber or plastics and uppers of textile materials, such uppers consisting of straps not exceeding 26 mm in width and having no heel straps, valued not over \$12/pr (provided for in subheading 6404.19.39)</i>	30.2%	No change	No change	On or before 12/31/2023 ...”.
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11 **SEC. 74945. CHILDREN’S TEXTILE UPPER FOOTWEAR, WITH**
 12 **OPEN TOES OR OPEN HEELS, VALUED NOT**
 13 **OVER \$12 PER PAIR.**

14 *Subchapter II of chapter 99 is amended by inserting*
 15 *in numerical sequence the following new heading:*

“	9902.28.64	Footwear for persons other than men or women, such footwear with open toes or open heels (other than house slippers), with outer soles of rubber or plastics and uppers of textile materials, with straps not exceeding 20 mm in width and having no heel straps, valued not over \$12/pr (provided for in subheading 6404.19.39)	20.2%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74946. OXFORD FOOTWEAR WITH TEXTILE UPPER AND**
 2 **COMPOSITE TOE, VALUED AT \$12–\$20 PER**
 3 **PAIR.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.28.65	Footwear for men or women, with outer soles of rubber or plastics and uppers of textile materials, not covering the ankle, valued over \$12/pr but not over \$20/pr, each incorporating a protective toe cap of materials other than metal (provided for in subheading 6404.19.90)	0.2%	No change	No change	On or before 12/31/2023 ...”.
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6 **SEC. 74947. OXFORD-STYLE FOOTWEAR FOR MEN OR**
 7 **WOMEN WITH TEXTILE UPPERS, WITH AN**
 8 **ALLOY SAFETY TOECAP AND STATIC DIS-**
 9 **SIPATING PROTECTION.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.28.66	Footwear for men or women, with outer soles of rubber or plastics and uppers of textile materials, not covering the ankle, valued over \$12/pr, each incorporating a protective toe cap of alloy materials and with electrostatic dissipating properties meeting ASTM F2413 standards with an ESD classification of SD-10 (provided for in subheading 6404.19.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74948. OXFORD-STYLE WORK FOOTWEAR WITH STEEL**
 2 **SAFETY TOE AND STATIC DISSIPATING PRO-**
 3 **TECTION.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.28.67	<i>Footwear for men or women, with outer soles of rubber or plastics and uppers of textile materials, not covering the ankle, valued at over \$12/pr, incorporating a protective toe cap of steel and with electrostatic dissipating properties meeting ASTM F2413 standards with an ESD classification of SD-10 (provided for in subheading 6404.19.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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6 **SEC. 74949. WOMEN’S FOOTWEAR, COVERING THE ANKLE**
 7 **BUT NOT THE KNEE, VALUED OVER \$24 PER**
 8 **PAIR.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.28.68	<i>Footwear for women, with outer soles of rubber or plastics and uppers of textile materials, valued over \$24/pr, covering the ankle but not covering the knee (provided for in subheading 6404.19.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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11 **SEC. 74950. MEN’S TEXTILE UPPER FOOTWEAR, NOT COV-**
 12 **ERING THE ANKLE, VALUED OVER \$24 PER**
 13 **PAIR.**

14 *Subchapter II of chapter 99 is amended by inserting*
 15 *in numerical sequence the following new heading:*

“	9902.28.69	<i>Footwear for men, with outer soles of rubber or plastics and uppers of textile materials, not covering the ankle, valued over \$24/pr (provided for in sub-heading 6404.19.90)</i>	7.6%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74951. OXFORD FOOTWEAR WITH TEXTILE UPPERS**
2 **AND COMPOSITE TOE, VALUED OVER \$20 PER**
3 **PAIR.**

4 *Subchapter II of chapter 99 is amended by inserting*
5 *in numerical sequence the following new heading:*

“	9902.28.70	<i>Footwear for men or women, with outer soles of rubber or plastics and uppers of textile materials, not covering the ankle, valued over \$20/pr, incorporating a protective toe cap of materials other than metal (provided for in sub-heading 6404.19.90)</i>	Free	No change	No change	On or before 12/31/2023 ... ”.
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6 **SEC. 74952. MEN’S MID-CUT FOOTWEAR WITH A TEXTILE**
7 **UPPER AND A PROTECTIVE TOE CAP.**

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.28.71	<i>Footwear for men, with outer soles of rubber or plastics and uppers of textile materials, covering the ankle to a height of less than 15.24 cm, incorporating a protective toe cap of alloy materials, valued over \$12/pr (provided for in sub-heading 6404.19.90)</i>	Free	No change	No change	On or before 12/31/2023 ... ”.
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10 **SEC. 74953. WOMEN’S FOOTWEAR WITH LEATHER SOLES**
11 **AND TEXTILE UPPERS, OPEN TOES OR HEELS,**
12 **VALUED \$12–\$24 PER PAIR.**

13 *Subchapter II of chapter 99 is amended by inserting*
14 *in numerical sequence the following new heading:*

“	9902.28.72	Footwear for women with outer soles of leather or composition leather and uppers of textile materials, each with open toe and/or open heel, not over 50 percent by weight of textile materials and rubber or plastics with at least 10 percent by weight being rubber or plastics, valued over \$12.00 but not over \$24.00/pr (provided for in subheading 6404.20.40)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74954. FOOTWEAR FOR WOMEN VALUED OVER \$20 BUT**
 2 **NOT OVER \$24 PER PAIR.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.28.73	Footwear for women with outer soles of leather or composition leather and uppers of textile materials, with closed toe and closed heel, not over 50 percent by weight of textile materials and rubber or plastics with at least 10 percent by weight being rubber or plastics; such footwear with a heel counter of pig suede and a zipper at the back of the shoe, each shoe featuring at least one strap that wraps around the leg above the ankle and does not cover the ankle; the foregoing valued over \$20 but not over \$24/pr (provided for in subheading 6404.20.40)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74955. WOMEN’S FOOTWEAR WITH LEATHER SOLES**
 6 **AND TEXTILE UPPERS, VALUED \$15–\$20 PER**
 7 **PAIR.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.28.74	Footwear for women with outer soles of leather or composition leather and uppers of textile materials, not elsewhere specified or included, valued over \$15 but not over \$20/pr, the foregoing other than footwear containing less than 10 percent by weight of rubber or plastics and other than containing 50 percent or less by weight of textile materials and rubber or plastics with at least 10 percent by weight being rubber or plastics (provided for in subheading 6404.20.60)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74956. WOMEN’S FOOTWEAR WITH LEATHER SOLES**
 2 **AND TEXTILE UPPERS, VALUED \$20–\$25 PER**
 3 **PAIR.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.28.75	Footwear for women, with outer soles of leather or composition leather and uppers of textile materials, not elsewhere specified or included, valued over \$20 but less than \$25/pr; the foregoing other than footwear containing less than 10 percent by weight of rubber or plastics and other than containing 50 percent or less by weight of textile materials and rubber or plastics with at least 10 percent by weight being rubber or plastics (provided for in subheading 6404.20.60)	Free	No change	No change	On or before 12/31/2023 ...”.
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6 **SEC. 74957. WOMEN’S FOOTWEAR WITH CORK SOLES AND**
 7 **TEXTILE UPPERS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.28.76	<i>Footwear for women, with uppers of textile materials and outer soles of cork or agglomerated cork, each with open toe and/or open heel, valued over \$13 but not over \$18/pr (provided for in subheading 6405.20.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74958. MEN’S FOOTWEAR WITH FELT SOLES, NOT COV-**
 2 **ERING THE ANKLE, VALUED \$20 PER PAIR OR**
 3 **HIGHER.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.28.77	<i>Footwear for men, with uppers of which over 30 percent of the external surface is polyurethane measuring 0.25 mm in thickness, with cemented outer soles of which over 50 percent of the external surface is felt, having the characteristics required for normal use, including durability and strength; the foregoing not covering the ankle and valued \$20/pr or higher (provided for in subheading 6405.20.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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6 **SEC. 74959. WOMEN’S AND GIRLS’ FOOTWEAR WITH CORK**
 7 **UPPERS, VALUED LESS THAN \$25 PER PAIR.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.28.78	<i>Women’s and girls’ footwear with uppers of cork (other than disposable and designed for one-time use), valued less than \$25/pr (provided for in subheading 6405.90.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74960. WOMEN’S FOOTWEAR WITH COW/CALF HAIR UP-**
 2 **PERS, VALUED \$35–\$40 PER PAIR, COVERING**
 3 **THE ANKLE.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.28.79	<i>Footwear for women, with uppers of cow or calf hair and outer soles of rubber or plastics, such footwear with closed toe and heel, covering the ankle, with a lace closure, having an upper with exterior surface area over 80 percent cow or calf hair, valued over \$35 but not over \$40/pr (provided for in subheading 6405.90.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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6 **SEC. 74961. WOMEN’S FOOTWEAR WITH COW/CALF HAIR UP-**
 7 **PERS, VALUED \$35–\$40 PER PAIR, NOT COV-**
 8 **ERING THE ANKLE.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.28.80	<i>Footwear for women, with uppers of cow or calf hair and outer soles of rubber or plastics, each with closed toe and closed heel, not covering the ankle, of the slip-on type, having an upper with exterior surface area over 70 percent cow or calf hair, valued over \$35 but not over \$40/pr (provided for in subheading 6405.90.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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11 **SEC. 74962. WOMEN’S FOOTWEAR WITH COW/CALF HAIR UP-**
 12 **PERS, VALUED \$19–\$25 PER PAIR.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.28.81	<i>Footwear for women, with uppers of cow or calf hair and outer soles of rubber or plastics, each with closed toe and closed heel, not covering the ankle, of the slip-on type, having an upper with exterior surface area over 85 percent cow or calf hair, valued over \$19 but not over \$25/pr (provided for in subheading 6405.90.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74963. WOMEN’S FOOTWEAR WITH COW/CALF HAIR UP-**
 2 **PERS, VALUED \$50–\$55 PER PAIR.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.28.82	<i>Footwear for women, with uppers of cow or calf hair and outer soles of rubber or plastics, such footwear covering the ankle, with zipper closure, with exterior surface area over 70 percent cow or calf hair, valued over \$50 but not over \$55/pr (provided for in subheading 6405.90.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 74964. WOMEN’S FOOTWEAR, LEATHER SOLES AND**
 6 **RUBBER/PLASTIC UPPERS, VALUED \$16–\$18**
 7 **PER PAIR.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.28.83	<i>Footwear for women with uppers of rubber or plastics and outer soles of composition leather, with open toe and/or heel, valued over \$16 but not over \$18/pr (provided for in subheading 6405.90.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74965. WOMEN’S FOOTWEAR WITH COW/CALF HAIR UP-**
 2 **PERS, VALUED \$19–\$34 PER PAIR.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.28.84	<i>Footwear for women, with uppers of cow or calf hair and outer soles of rubber or plastics, such footwear covering the ankle, with zipper or buckle closure, with exterior surface area over 90 percent of cow or calf hair, valued over \$19 but not over \$34/pr (provided for in subheading 6405.90.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 74966. FOOTWEAR FOR WOMEN, VALUED OVER \$50 BUT**
 6 **NOT OVER \$60 PER PAIR.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.28.85	<i>Footwear of the slip-on type, for women, with uppers of cow or calf hair and outer soles of rubber or plastics, such footwear with closed toe and heel, covering the ankle, having an upper with exterior surface area over 90 percent cow or calf hair, whose height from the bottom of the outer sole to the top of the upper is over 42 cm, valued over \$50 but not over \$60/pr (provided for in subheading 6405.90.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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9 **SEC. 74967. CALF HAIR UPPER FOOTWEAR.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.28.86	<i>Footwear with uppers of calf hair (provided for in subheading 6405.90.90), the foregoing other than goods described in any other heading of this subchapter</i>	<i>3.1%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74968. GAITERS OF MAN-MADE FIBERS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.28.87	Woven gaiters of man-made fibers, not containing elastomeric fiber, seamless, each with full front hook-and-loop closure, boot lace loop attachment, with webbing or cord at the top for tightening and boot strap at the bottom (provided for in subheading 6406.90.15)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 74969. HATS OF VEGETABLE FIBERS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.28.88	Hats and other headgear of vegetable fibers, of unspun fibrous vegetable materials or of paper yarn, sewed (provided for in subheading 6504.00.30)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 74970. HAIRNETS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.28.89	Hair-nets (provided for in subheading 6505.00.01)	1%	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 74971. COTTON KNIT HATS, VALUED \$8 OR LESS.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.28.90	Women’s and girls’ hats and other headgear, of cotton, knitted, other than visors or hats that provide no covering for the crown of the head; such goods valued up to \$8 each (provided for in subheading 6505.00.15); the foregoing other than hats and other headgear described in subheading 9902.14.63	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74972. BABIES' WOVEN COTTON HATS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.28.91	<i>Babies' headwear of cotton, not knitted (provided for in subheading 6505.00.20)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74973. HATS OF MAN-MADE FIBER, VALUED \$5–\$25.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.28.92	<i>Hats and other headgear, of man-made fibers, knitted or crocheted or made up from knitted or crocheted fabrics in the piece (but not in strips), not in part of braid, each valued at least \$5 but not more than \$12 (provided for in subheading 6505.00.60)</i>	<i>6.4%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 74974. WATERPROOF AND INSULATED HATS WITH EAR**
 8 **FLAPS, VALUED OVER \$15.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.28.93	<i>Dome-shaped hats, of man-made fibers, each with ear flaps constructed entirely of 2-layer laminate consisting of woven face fabric wholly of polyester and expanded polytetrafluoroethylene (PTFE) membrane, each such hat fully lined with woven ripstop fabric wholly of nylon, the crown and earflaps having insulation wholly of polyester, adjustable by a 2 mm elastic cord covered in a braided textile sheath and back cord lock; such hats valued over \$15 each (provided for in subheading 6505.00.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 74975. FISHING WADING STAFFS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.28.94	<i>Wading sticks of carbon fiber, each measuring 3.5 cm to 4.5 cm in diameter, adjustable from approximately 129.5 cm to 142.2 cm in length and weighing 227 g; the foregoing not put up for sale in pairs (provided for in heading 6602.00.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74976. PLASTIC PLANTS FOR AQUARIUMS, NOT GLUED**
 5 **OR BOUND.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.28.95	<i>Foliage and flowers of plastics, representing desert or under-water plants, each inserted directly into a base or suction cup, measuring not over 55.88 cm in height, not assembled by gluing or similar means or by binding with flexible materials such as wire, paper, textile materials or foil; the foregoing presented put up for retail sale as goods designed for a household terrarium or aquarium (provided for in subheading 6702.10.40)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 74977. NATURAL STONE LEDGER TILE OF SANDSTONE.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.28.96	<i>Natural stone tiles of sandstone; such cut pieces each measuring less than 6.985 cm in width and 6.985 cm in length and collectively glued together or to a mesh backing to form a panel; such finished tiles measuring 15.24 cm or more but not over 40.64 cm in width and 45.72 cm or more but not over 60.96 cm in length (provided for in subheading 6802.10.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 74978. MARBLE MOSAIC AND PEBBLE TILES.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.28.97	<i>Marble mosaic and pebble tiles, each with the individual mosaic and pebble pieces measuring 50.8 mm in width and ranging from 50.8 mm to 152.4 mm in length; each tile measuring approximately 304.8 mm wide and 304.8 mm long (provided for in subheading 6802.10.00)</i>	<i>2.6%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 SEC. 74979. NATURAL STONE LIMESTONE TILES.

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.28.98	<i>Natural stone tiles made of limestone quarried from India with a surface area greater than 101.6 mm square and ranging in size from 50.8 to 304.8 mm in width and 152.4 mm to 406.44 mm in length; the foregoing honed and 12.7 mm in thickness (provided for in subheading 6802.91.05)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 SEC. 74980. NATURAL STONE MARBLE TILES.

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.28.99	Natural stone tiles made of marble quarried from Greece, Italy, Turkey, and Spain, each tile with a surface area greater than 101.6 mm ² ; the foregoing in sizes ranging from 50.8 to 304.8 mm in width and 152.4 mm to 406.44 mm in length (provided for in subheading 6802.91.05)	1%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74981. WATERJET NATURAL STONE MOSAIC TILE.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.29.01	Waterjet cut mosaic tiles, composed of natural marble stone, such marble stone tiles measuring more than 7 cm in width and more than 7 cm in length and covering over 50 percent of the surface area, in combination with tiles of glass, metal, mother of pearl or other materials, with surface faces honed or polished and edges worked beyond simple straight cuts and affixed to a mesh backing, having a width not less than 22.86 cm but not more than 45.72 cm and a length not less than 20.32 cm but not more than 45.72 cm (provided for in subheading 6802.91.15)	2.2%	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74982. MARBLE ENTERTAINING AND SERVEWARE.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.29.02	Serving trays, serving boards, cake stands, bowls, pastry boards, rolling pins and similar articles of marble, for preparing or serving food (provided for in subheading 6802.91.15)	1%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74983. ARTICLES OF MARBLE FOR KITCHEN AND DIN-**
 2 **ING ROOM.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.29.03	Coasters, trivets, paper towel holders, napkin holders and similar articles of marble, the foregoing designed for use in the home and not for contact with food (provided for in subheading 6802.91.15)	1%	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 74984. NATURAL STONE LEDGER TILES OF TRAVER-**
 6 **TINE.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.29.04	Natural stone tiles of travertine, each composed of small, cut pieces of travertine; such cut pieces each measuring less than 69.85 mm in width and 68.85 mm in length and collectively glued to a mesh backing; such finished tiles measuring 152.4 mm or more but not over 406.4 mm in width and 457.2 mm or more but not over 609.6 mm in length (provided for in subheading 6802.91.25)	0.6%	No change	No change	On or before 12/31/2023 ...”.
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9 **SEC. 74985. TRAVERTINE DECORATIVE TILE.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.29.05	Travertine decorative tiles with smooth-satin finish, rectangular-shaped, each tile measuring 50.8 mm or more but not more than 203.2 mm in width and 101.6 mm or more but not more than 304.8 mm in length (provided for in subheading 6802.91.25)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 74986. LIMESTONE DECORATIVE TILES.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.29.06	<i>Limestone decorative tiles each with smooth-satin finish and rectangular-shaped stones, each tile measuring in size from 12.7 mm to 101.6 mm in width and 152.4 mm to 406.4 mm in length (provided for in subheading 6802.91.25)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74987. BLANK, EMBOSSED, AND PRINTED STONEWARE**
 5 **COASTER DISKS AND TRIVETS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.29.07	<i>Blank, embossed and printed stoneware coaster disks and trivets (provided for in subheading 6912.00.48)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 74988. ROLLED GREEN GLASS SHEETS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.29.08	<i>Rolled glass in sheets, of a yellow-green color not colored throughout the mass, not finished or edged-worked, textured on one surface imparted by the rolling process, imported in sheets of a width not exceeding 1,600 mm and a length not exceeding 900 mm, having a thickness not exceeding 6 mm (provided for in subheading 7003.19.00)</i>	<i>0.2%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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11 **SEC. 74989. FRAMED REAR-VIEW MIRRORS.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.29.09	<i>Framed rear-view mirrors, such goods comprising parts of machines of heading 8429 or vehicles of heading 8701, 8704 or 8430, such mirrors measuring not over 929 cm² in reflecting area and not containing LED or fluorescent lighting (provided for in sub-heading 7009.10.00)</i>	1.4%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74990. WALL MIRRORS, UNFRAMED.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.29.10	<i>Glass mirrors, unframed, each greater than 5,000 cm² in reflecting area, not containing LED or fluorescent lighting, designed for mounting on the wall (provided for in sub-heading 7009.91.50)</i>	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 74991. WALL MIRRORS, FRAMED.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.29.11	<i>Glass mirrors, framed, each greater than 5,000 cm² in reflecting area, not containing LED or fluorescent lighting, designed for mounting on the wall (provided for in sub-heading 7009.92.50)</i>	3.1%	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 74992. STEMWARE (CRYSTALLINE) DRINKING GLASSES**
 8 **VALUED OVER \$0.30 BUT NOT OVER \$3 EACH,**
 9 **OTHER THAN THOSE PRESENTED IN SETS.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.29.12	<i>Stemware (crystalline) drinking glasses valued over \$0.30 but not over \$3 each other than those presented in sets (provided for in subheading 7013.28.20)</i>	21.2%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74993. DOUBLE-WALLED INSULATED GLASS TUM-**
 2 **BLERS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.29.13	Double-walled drinking glasses of specially tempered borosilicate glass, with or without handles (provided for in subheading 7013.37.05)	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 74994. DIAMOND-SHAPED STEMMED WINE GLASSES.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.29.14	Hexagonal, stemmed wine glasses, each with diamond-shaped base and made from specially toughened borosilicate glass (provided for in subheading 7013.37.05)	Free	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 74995. TWISTED-CENTER STEMLESS WINE GLASS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.29.15	Stemless wine glasses, each with twisted center indentation, of specially tempered borosilicate glass (provided for in subheading 7013.37.05)	Free	No change	No change	On or before 12/31/2023 ... ”.
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11 **SEC. 74996. CRYSTALLINE DRINKING GLASSES, WITHOUT**
 12 **STEMS, NOT IN SETS.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.29.16	Crystalline drinking glasses without stems, valued over \$0.30 but not over \$3 each, other than those presented in sets (provided for in subheading 7013.37.20)	21.1%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 74997. DOUBLE-WALLED INSULATED GLASS BOWLS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.29.17	<i>Double-walled (insulated) bowls of specially tempered borosilicate glass, such bowls of a kind used for table or kitchen purposes (provided for in subheading 7013.49.10)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 74998. LEAF-SHAPED GLASS DECANTERS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.29.18	<i>Leaf-shaped decanters of pressed and toughened (specially tempered) borosilicate glass (provided for in subheading 7013.49.10)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 74999. SET OF FOUR APPETIZER PLATES MADE OF**
 8 **GLASS WITH STEEL CADDY HOLDER, VALUED**
 9 **AT \$2 EACH.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.29.19	<i>Set of four appetizer plates made of glass with steel caddy holder valued at \$2 each (provided for in subheading 7013.49.20)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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12 **SEC. 75000. SPICE RACK WITH GLASS JARS AND WOODEN**
 13 **LIDS VALUED NOT OVER \$3 EACH.**

14 *Subchapter II of chapter 99 is amended by inserting*
 15 *in numerical sequence the following new heading:*

“	9902.29.20	<i>Spice racks, each presented with glass jars and wooden lids, valued not over \$3 each (provided for in subheading 7013.49.20)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75001. GLASS LENS BLANKS FOR INFRARED APPLICA-**
 2 **TIONS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.29.21	<i>Glass lens blanks that are not optically worked, containing one or more of sulfur, selenium or tellurium, certified by the importer as suitable for infrared applications (CAS No. 57673-50-4, 39290-81-8, 1450602-84-2 or 1303-36-2) (provided for in subheading 7014.00.10)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 75002. HAIR ACCESSORIES OF GLASS BEADS, IMITA-**
 6 **TION PEARLS, AND IMITATION STONES, VAL-**
 7 **UED LESS THAN \$7.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.29.22	<i>Hair accessories of glass beads, imitation pearls and imitation stones valued less than \$7 (provided for in subheading 7018.90.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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10 **SEC. 75003. FILTER BAGS WITH ACID-RESISTANT COATING,**
 11 **OF WOVEN FIBERGLASS LAMINATED TO**
 12 **EPTFE, WEIGHING AT LEAST 325 G/M² BUT**
 13 **NOT OVER 350 G/M².**

14 *Subchapter II of chapter 99 is amended by inserting*
 15 *in numerical sequence the following new heading:*

“	9902.29.23	<i>Filter bags with acid-resistant coating; such bags of woven fiberglass fabric laminated to an expanded polytetrafluoroethylene (ePTFE) membrane, coated with an acid-resistant on its backing, weighing at least 325 g/m² but not over 350 g/m²; the foregoing with a burst strength of 4137 kPa (600 psi) or higher per ASTM D3786 (provided for in subheading 7019.90.10)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75004. FIBERGLASS REPLACEMENT WICKS FOR OUT-**
 2 **DOOR GARDEN TORCH.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.29.24	<i>Replacement wicks exclusively of fiberglass for garden, patio and table top burning torches of subheading 9405.50, the foregoing for outdoor use (provided for in subheading 7019.90.10)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 75005. FILTER BAGS OF WOVEN FIBERGLASS FABRIC**
 6 **LAMINATED TO AN EPTFE, WITH A POLY-**
 7 **TETRAFLUOROETHYLENE COATED BACKING,**
 8 **NOT ACID RESISTANT, WEIGHING AT LEAST**
 9 **721 G/M² BUT NOT OVER 771 G/M².**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.29.25	<i>Filter bags of woven fiberglass fabric without an acid-resistant coating; laminated to an expanded polytetrafluoroethylene (ePTFE) membrane with a polytetrafluoroethylene coated backing, weighing at least 721 g/m² but not over 771 g/m²; the foregoing with a burst strength of 6205 kPa (900 psi) or higher per ASTM D3786 (provided for in subheading 7019.90.10)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75006. SILVER CATALYST.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.29.26	Silver exceeding 99.9 percent purity, in spherical shapes formed from silver anodes in an electrochemical process, such shapes with surface areas of 80 mm ³ or greater (CAS No. 7440-22-4) and ready for use as catalysts (provided for in subheading 7106.91.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 75007. SILVER ROUND BLANKS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.29.27	Silver round blanks (CAS No. 7440-22-4), semimanufactured and weighing not more than 1,000 grams (provided for in subheading 7106.92.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 75008. FERROBORON ALLOY.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.29.28	Ferroboron alloys in powders, lumps, granules or chunks (provided for in subheading 7202.99.80)	Free	No change	No change	On or before 12/31/2023 ... ”.
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10 **SEC. 75009. CAST IRON NONMALLEABLE THREADED MAIN**
 11 **BODY COMBO CASTINGS FOR RESIDENTIAL**
 12 **FUEL OIL TANKS.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.29.29	Main body combo castings of nonmalleable cast iron designed for residential fuel oil tanks (provided for in subheading 7307.11.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75010. CAST IRON NONMALLEABLE THREADED VENT**
 2 **CAPS FOR RESIDENTIAL FUEL OIL TANKS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.29.30	Threaded vent caps of nonmalleable cast iron designed for residential fuel oil tanks (provided for in subheading 7307.11.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 75011. CAST IRON NONMALLEABLE THREADED BUSH-**
 6 **INGS FOR RESIDENTIAL FUEL OIL TANKS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.29.31	Threaded bushings of nonmalleable cast iron to be installed to a residential fuel oil tank opening (provided for in subheading 7307.11.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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9 **SEC. 75012. CAST IRON NONMALLEABLE THREADED TANK**
 10 **ADAPTERS FOR RESIDENTIAL FUEL OIL**
 11 **TANKS.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.29.32	Threaded tank adapters of nonmalleable cast iron designed for residential fuel oil tanks (provided for in subheading 7307.11.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75013. CAST IRON NONMALLEABLE THREADED FILL**
 2 **ALARM MAIN BODY FOR RESIDENTIAL FUEL**
 3 **OIL TANKS.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.29.33	<i>Fittings of nonmalleable cast iron, each comprising the main body of a fill alarm designed for residential fuel oil tanks (provided for in subheading 7307.11.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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6 **SEC. 75014. CAST IRON NONMALLEABLE THREADED FILL**
 7 **BOX CAPS FOR RESIDENTIAL FUEL OIL**
 8 **TANKS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.29.34	<i>Threaded fill box caps of nonmalleable cast iron designed for residential fuel oil tanks (provided for in subheading 7307.11.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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11 **SEC. 75015. CAST IRON NONMALLEABLE THREADED LEG**
 12 **FLANGES FOR RESIDENTIAL FUEL OIL TANKS.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.29.35	<i>Threaded leg flanges of nonmalleable cast iron designed for residential fuel oil tanks (provided for in subheading 7307.11.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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15 **SEC. 75016. PORTABLE GAS COOKING STOVES.**

16 *Subchapter II of chapter 99 is amended by inserting*
 17 *in numerical sequence the following new heading:*

“	9902.29.36	Portable propane gas camping stoves, each with one adjustable burner rated to generate up to 10,000 British thermal units (BTUs) of power, with casing of steel and pan support of steel covered with porcelain, the foregoing valued \$4 or more but not over \$20 each (provided for in subheading 7321.11.10)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75017. PORTABLE OUTDOOR COOKERS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.29.37	Portable outdoor cookers, fueled by natural gas or propane, put up in sets for retail sale (provided for in subheading 7321.11.10)	1.2%	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 75018. SELF-ANCHORED BEVERAGE CONTAINERS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.29.38	Self anchoring beverage containers made of stainless steel with a base partially made of orange colored silicone material with said orange silicone base measuring no more than 60.325 mm (provided for in subheading 7323.93.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 75019. STAINLESS STEEL HANDMADE KITCHEN SINKS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.29.39	<i>Handmade, top mounted, residential kitchen sinks of stainless steel, consisting of 1 or 2 bowls, 0.64 mm or more but not exceeding 1.2 mm in thickness, 13.97 cm or more but not exceeding 25.4 cm in depth, 43.18 cm or more but not exceeding 55.88 cm in width, and 68.58 cm or more but not exceeding 83.82 cm in length (provided for in subheading 7324.10.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 75020. LOOSE FRAME BASKETS.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.29.40	<i>Steel wire loose frame basket (provided for in subheading 7326.20.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 SEC. 75021. TWO-STORY FIRE ESCAPE LADDERS.

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.29.41	<i>Fire escape ladders of iron or steel, measuring not over 4.3 m in length when fully extended, with a ladder load rating of 170 kg and designed to be hung from a windowsill measuring 15 cm or more but not over 33 cm in width; such ladders each having window brackets and rungs (stairs) of steel and webbing of nylon that connect the rungs to each other and to the window bracket; with slip resistant rungs and stabilizers, the foregoing designed for residential use and valued not over \$28 each (provided for in subheading 7326.90.86)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 SEC. 75022. THREE-STORY FIRE ESCAPE LADDERS.

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.29.42	<i>Fire escape ladders of iron or steel, measuring 4.4 m or more but not more than 7.4 m in length when fully extended, with a ladder load rating of 170 kg and designed to be hung from a windowsill measuring 15 cm or more but not over 33 cm in width; such ladders each composed of window brackets and rungs (stairs) of steel and webbing of nylon that connect the rungs to each other and to the window bracket; with slip resistant rungs and stabilizers, the foregoing designed for residential use and valued not over \$47 each (provided for in subheading 7326.90.86)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 75023. WORK SUPPORT STANDS OF STEEL.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.29.43	<i>Portable work support stands of steel, each with a hand-tightened clamp (provided for in subheading 7326.90.86)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 SEC. 75024. LOCKING FIXTURES OF IRON OR STEEL.

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.29.44	<i>Locking fixtures of iron and steel, the foregoing designed to secure moving parts of lithography machine modules or apparatus, and parts thereof (provided for in subheading 7326.90.86)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 SEC. 75025. STAINLESS STEEL PHONE HANDLE-AND-STAND
8 ACCESSORIES.

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.29.45	Mobile phone handle-and-stand accessories of stainless steel, each comprising two circular slabs measuring 4 mm in thickness, with adhesive on one side of one circular slab, the slabs connected by an adjustable arm; valued not over \$4.50 each (provided for in subheading 7326.90.86)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75026. CIRCULAR AND S-SHAPED STAINLESS STEEL**

2 **CARABINERS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.29.46	Carabiners or rings made of stainless steel, with a spring-loaded gate used to connect and secure non-load bearing components, valued no more than \$10 (provided for in subheading 7326.90.86)	1%	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 75027. PIECES OF REFINED UNWROUGHT COPPER**

6 **CATHODE 99.9999 PERCENT PURE.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.29.47	Pieces of copper cathode, refined and unwrought, 99.9999 percent pure, measured by glow discharge mass spectrometry (GDMS) to have sulfur content not exceeding 150 parts per billion (ppb), aluminum content not exceeding 15 ppb and iron content not exceeding 15 ppb (provided for in subheading 7403.11.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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9 **SEC. 75028. ULTRA-THIN AND WIDE-WIDTH ALUMINUM FOIL.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.29.48	<i>Aluminum foil (whether or not printed, or backed with paper, paperboard, plastics or similar backing materials), rolled but not further worked, such foil of a thickness (excluding any backing) of 6.35 microns and with a width between 1085 mm to 1899 mm, or of a thickness of 7 microns to 9 microns with a width between 1549 mm to 1899 mm (provided for in subheading 7607.11.30)</i>	1.9%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75029. ETCHED CAPACITOR ALUMINUM FOIL OF A**
 2 **THICKNESS 0.018–0.126 MM.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.29.49	<i>Etched capacitor foil of aluminum, 0.018 mm or more but not over 0.126 mm in thickness, electrochemically oxidized (‘formed’) and containing 99.8 percent or more by weight of aluminum, of a kind used for manufacturing electrolytic capacitors (provided for in subheading 7607.19.10)</i>	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 75030. STOVE TOP COFFEE MAKERS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.29.50	<i>Kitchen stove top coffee makers of aluminum, each with a capacity not exceeding 3 liters (provided for in subheading 7615.10.71)</i>	Free	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 75031. ALUMINUM SHOWER CADDIES.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.29.51	Shower caddies made of aluminum wire with a dimension of 12 mm by 8 mm or less, designed to be hung over shower heads to hold bath accessories (provided for in subheading 7615.20.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75032. STEP STOOLS OF ALUMINUM.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.29.52	Step stools of aluminum, each having three steps, of a width of no less than 22 cm, with a folding safety bar and rubber non-slip feet (provided for in subheading 7616.99.51)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 75033. ALUMINUM LADDERS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.29.53	Articulated ladders of aluminum with a ladder load rating of 137 kg consisting of one or more pairs of locking joints and extendable sections, valued not over \$100 (provided for in subheading 7616.99.51)	1.5%	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 75034. CIRCULAR AND S-SHAPED ALUMINUM**
 8 **CARABINERS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.29.54	Carabiner or rings of aluminum, either single or double, each with a spring-loaded gate used to connect and secure non-load bearing components, valued no more than \$3.25 (provided for in subheading 7616.99.51)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75035. STATIONARY SPRINKLERS OF ZINC.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.29.55	<i>Household irrigation sprinklers of zinc, designed to stay in one spot during use, with no moving irrigation arms and no adjustable watering patterns on the outside, of maximum dimension of 11 cm by 8.1 cm by 3.2 cm (provided for in subheading 7907.00.10)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 75036. TUNGSTEN WASTE AND SCRAP.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.29.56	<i>Tungsten (wolfram) waste and scrap (provided for in subheading 8101.97.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 75037. COBALT ALLOYS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.29.57	<i>Cobalt alloys (provided for in subheading 8105.20.30)</i>	<i>2.8%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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10 **SEC. 75038. CERTAIN GALLIUM (GA).**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.29.58	<i>Gallium (CAS No. 7440-55-3) (provided for in subheading 8112.92.10), the foregoing other than goods described in heading 9902.15.12</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75039. NIOBIUM (COLUMBIUM) RINGS NO THICKER**
 2 **THAN 20 MM.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.29.59	Rings of Niobium (colum- bium) (other than unwrought, waste and scrap and powders), measuring not over 20 mm in thickness (provided for in sub- heading 8112.99.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 75040. TUNGSTEN SECONDARY RAW MATERIAL.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.29.60	Used cermets and articles thereof, including waste and scrap, the foregoing imported for the extraction of tungsten (provided for in heading 8113.00.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 75041. GEAR-DRIVEN BOLT CUTTERS AND PIPE CUT-**
 9 **TERS.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.29.61	Pipe cutters and bolt cutters, each with a gear-driven mech- anism (provided for in sub- heading 8203.40.30)	Free	No change	No change	On or before 12/31/2023 ... ”.
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12 **SEC. 75042. ROTARY CUTTERS.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.29.62	<i>Rotary cutting hand tools, of iron or steel, designed to cut fabrics and craft materials, each with a replaceable circular blade and plastic handle with blade lock (provided for in subheading 8205.51.30)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75043. FOOD GRATERS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.29.63	<i>Food graters with blades or working surfaces of base metal, with nonworking parts of plastic, such graters not exceeding 31 cm in overall length (provided for in subheading 8205.51.30)</i>	<i>0.8%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 75044. HAND TOOLS FOR APPLYING PLASTIC CLIP FAS-**
 5 **TENERS TO GARMENTS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.29.64	<i>Hand tools of plastics, designed for insertion and application of plastic clip fasteners, such hand tools each with an outer body and internal mechanism of plastics, containing a replaceable hollow steel needle with an outside diameter measuring less than 2.4 mm through which a fastener is fed and inserted into the intended target material (provided for in subheading 8205.59.80)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 75045. STEEL WORKSTATIONS WITH VISES ADJUST-**
 9 **ABLE BY FOOT PEDAL.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.29.65	<i>Clamping workstations, each with steel vise, adjustable by foot pedal lever, weighing less than 20 kg, with a jaw width between 0 and 94 cm (provided for in subheading 8205.70.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75046. FIXED CARBIDE CUTTER AND ROLLER CONE**

2 **DRILL BITS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.29.66	<i>Rotary rock drill bits, and parts thereof, each such bit with cutting part containing by weight over 0.2 percent of chromium, molybdenum or tungsten or over 0.1 percent of vanadium (provided for in subheading 8207.19.30), designed for use with rock drilling and earth boring tools of heading 8430</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 75047. ROTARY FOOD GRATERS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.29.67	<i>Rotary food graters, each incorporating blade drums of stainless steel and a suction base, operated by hand, weighing not more than 1.5 kg (provided for in heading 8210.00.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 75048. COFFEE PRESSES.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.29.68	<i>Coffee presses designed to brew ground coffee, each consisting of a glass cylinder, a plastic or metal handle or frame and a stainless steel mesh filter; the foregoing having a capacity of 0.5 liters or more but not over 1.5 liters (provided for in heading 8210.00.00)</i>	1.1%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75049. VACUUM INSULATED COFFEE SERVERS WITH A**
 2 **BREW-THROUGH LID.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.29.69	<i>Vacuum insulated coffee servers with liners of steel, each with a capacity over 2 liters, having a brew-through lid, feet attached to the base and a hole at bottom of server for lever faucet attachment (provided for in heading 8210.00.00)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 75050. VACUUM INSULATED COFFEE SERVERS WITH**
 6 **NO LID.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.29.70	<i>Vacuum insulated coffee servers with liners of steel, each with a capacity over 2 liters, presented with base with feet but no lid and with a hole at bottom of server for lever faucet attachment (provided for in heading 8210.00.00)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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9 **SEC. 75051. VACUUM INSULATED COFFEE SERVERS WITH**
 10 **FITTED HINGED LID.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.29.71	<i>Vacuum insulated coffee servers, each with outer layer and liner of steel, with a capacity over 2 liters, with tightly fitted hinged lid with a center hole designed to allow brewed beverages to pass directly into such server with top lever action for dispensing and steel base plate (provided for in heading 8210.00.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75052. COMMERCIAL VACUUM INSULATED COFFEE**

2 **SERVERS WITH SIGHT GAUGE.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.29.72	<i>Commercial vacuum insulated coffee servers, each with outer layer and liner of steel, plastic base, a capacity over 2 liters, plastic carrying handle, bottom lever faucet, see-through contents window and a brew-thru lid (provided for in heading 8210.00.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 75053. COMMERCIAL VACUUM INSULATED COFFEE**

6 **SERVERS WITH PLASTIC BASE.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.29.73	<i>Commercial vacuum insulated coffee servers, each with outer layer and liner of steel, plastic base, capacity over 2 liters, plastic carrying handle, bottom lever faucet and brew-thru lid (provided for in heading 8210.00.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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9 **SEC. 75054. COMMERCIAL VACUUM INSULATED COFFEE**

10 **SERVERS WITH PLASTIC BASE AND STAND.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.29.74	<i>Commercial vacuum insulated coffee servers, each with outer layer and liner of steel, with plastic base and stand, with a capacity over 2 liters, with plastic carrying handle, with bottom lever faucet and brew-thru lid (provided for in heading 8210.00.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75055. CRAFT KNIVES WITH FIXED PEN-LIKE OR RE-**
 2 **TRACTABLE BLADES.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.29.75	<i>Craft knives with fixed pen-like or retractable blade design, each with removable thin angled or scoop like blades of steel; such knives measuring between 152.4 mm and 228.6 mm in length and between 6.35 mm and 25.4 mm in diameter, valued between \$0.50 and \$2 each (provided for in subheading 8211.93.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 75056. CRAFT KNIVES.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.29.76	<i>Craft knives, each with thermoplastic over mold grip, maximum handle dimensions measuring 135 mm in length, 26 mm in width and 17 mm in height (provided for in subheading 8211.93.00); the foregoing other than craft knives with fixed pen-like or retractable blade design, with removable scoop like blades of steel ...</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 75057. BLADES FOR CRAFT KNIVES WITH NON-FIXED**
 9 **BLADES.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.29.77	<i>Blades for craft knives, non-fixed, angled or scoop like shaped; such blades not over 58 mm in length (provided for in subheading 8211.94.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 75058. ERGONOMIC PINKING SHEARS.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.29.78	<i>Ergonomic pinking shears, valued over \$30/dozen, with contoured plastic handles and with stainless steel blades, with the lower blade extending a minimum of 7 mm past the end of the upper blade (provided for in subheading 8213.00.60)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 SEC. 75059. SPRING-ACTION SCISSORS.

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.29.79	<i>Scissors, each with a spring-action design that also features a slide lock and with only 1 loop handle, valued over \$1.75/dozen (provided for in subheading 8213.00.90), the foregoing other than goods described in heading 9902.15.30</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 SEC. 75060. ELECTRONIC LOCKS FOR LOCKERS.

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.29.80	<i>Electronically actuated locks, of a kind used for locking furniture, each enclosed in metal housing and operated by a keypad or radio-frequency identification device (RFID), such goods each containing a key slot to operate the lock with an electronic key with a built-in power jumper (provided for in subheading 8301.30.00)</i>	<i>1.6%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75061. LUGGAGE LOCKS OF BASE METAL, PACKAGED**
 2 **FOR RETAIL SALE.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.29.81	<i>Luggage locks of base metal, packaged for retail sale, of a type compliant with standards of the Transportation Security Administration, such locks each keyed for opening with a universal master tool made and patented in the United States (provided for in sub-heading 8301.40.30)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 75062. KEY-OPERATED DOOR HANDLES, PUSH-PULL-**
 6 **ROTATE.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.29.82	<i>Door locks, locksets and other locks of base metal, key-operated, suitable for use with interior or exterior doors, but excluding garage, overhead or sliding doors; such locks capable of unlatching door knobs or levers by pushing, pulling or rotating (provided for in sub-heading 8301.40.60)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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9 **SEC. 75063. VENT MOUNTED MAGNETIC MOBILE PHONE**
 10 **HOLDER FOR AUTOMOBILES.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.29.83	<i>Hands-free cell phone mounts of base metal, suitable for mounting cell phones to the air vents of motor vehicles, each with a 25 mm diameter polished steel ball securely mounted on an aluminum die cast base containing a two-prong lever-release clip and a ring-shaped magnet socket filled with a silicone pad (provided for in subheading 8302.30.30)</i>	1.3%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75064. DASH MOUNTED MAGNETIC MOBILE PHONE**
 2 **HOLDER FOR AUTOMOBILES.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.29.84	<i>Hands-free cell phone mounts of base metal, suitable for mounting cell phones to the dashboard of motor vehicles, each with a 25 mm diameter polished steel ball securely mounted on a machined aluminum base with adhesive material and a ring-shaped magnet socket filled with a silicone pad (provided for in subheading 8302.30.30)</i>	0.9%	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 75065. WINDSHIELD MOUNTED MAGNETIC MOBILE**
 6 **PHONE HOLDER FOR AUTOMOBILES.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.29.85	<i>Hands-free cell phone mounts of base metal, suitable for mounting cell phones to the windshield of motor vehicles, each with a 25 mm diameter polished steel ball securely mounted on a stamped and formed aluminum arm with a 72 mm diameter suction device and a ring-shaped magnet socket filled with a silicone pad (provided for in subheading 8302.30.30)</i>	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75066. STEEL LATCHES WITH PLASTIC PLUNGERS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.29,86	Steel latches, each measuring 5 cm in length and designed to secure the steps of a recreational vehicle in a locked position, such latches each containing a plunger of plastic measuring 1.7 cm by 1.5 cm and a compression spring (provided for in subheading 8302.30.30)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 75067. NON-KEY-OPERATED DOOR HANDLES.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.29,87	Non-key-operated door handle assemblies, of base metal, suitable for use with interior or exterior doors, excluding garage, overhead or sliding doors; the foregoing with handles capable of opening a door by pushing, pulling or rotating (provided for in subheading 8302.41.60)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 75068. CURTAIN RINGS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.29,88	Curtain or drapery rings of base metal, specially designed for use with curtain or drapery rods, presented in sets of 10 rings (provided for in subheading 8302.41.60)	2.2%	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 75069. BRACKETS.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.29.89	<i>Brackets of iron or steel, of aluminum or of zinc, such brackets specially designed for use with curtain or drapery rods (provided for in subheading 8302.41.60)</i>	2.5%	No change	No change	On or before 12/31/2023 ...”.
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1 SEC. 75070. CURTAIN RODS.

2 *Subchapter II of chapter 99 is amended by inserting*
3 *in numerical sequence the following new heading:*

“	9902.29.90	<i>Telescoping curtain rods of base metal, whether or not presented with mounting hardware (provided for in subheading 8302.41.60)</i>	1.8%	No change	No change	On or before 12/31/2023 ...”.
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4 SEC. 75071. CURTAIN ROD HARDWARE.

5 *Subchapter II of chapter 99 is amended by inserting*
6 *in numerical sequence the following new heading:*

“	9902.29.91	<i>Endcaps of base metal, specially designed for use with curtain or drapery rods (provided for in subheading 8302.41.60)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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7 SEC. 75072. CURTAIN TIEBACKS.

8 *Subchapter II of chapter 99 is amended by inserting*
9 *in numerical sequence the following new heading:*

“	9902.29.92	<i>Tiebacks of base metal, specially designed for use with curtains or drapes (provided for in subheading 8302.41.60)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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10 SEC. 75073. CURTAIN ROD FINIALS.

11 *Subchapter II of chapter 99 is amended by inserting*
12 *in numerical sequence the following new heading:*

“	9902.29.93	<i>Finials of base metal, specially designed for use with curtain or drapery rods (provided for in subheading 8302.41.60)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75074. CURVED SHOWER RODS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.29.94	<i>Curved shower rods of stainless steel and aluminum, each capable of being installed by tension or by mounting with wall brackets (provided for in subheading 8302.41.60)</i>	0.8%	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 75075. SHOWER HOOKS AND RINGS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.29.95	<i>Shower curtain hooks or rings, the foregoing of aluminum, of iron or steel or of zinc (provided for in subheading 8302.41.60)</i>	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 75076. STRAIGHT SHOWER RODS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.29.96	<i>Straight shower rods, of aluminum or stainless steel, either designed to be mounted by means of tension or incorporating a dual mount permitting the mounting by either tension or by use of a bracket (provided for in subheading 8302.41.60)</i>	1.1%	No change	No change	On or before 12/31/2023 ... ”.
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10 **SEC. 75077. STEEL WINDOW RODS.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.29.97	<i>Tension or screw-mount curtain or drapery rods, made of closed tubing of steel (provided for in subheading 8302.41.60); the foregoing other than telescoping curtain rods of base metal</i>	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75078. ANTITHEFT STEEL CASES WITH DIGITAL LOCKS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.29.98	<i>Reinforced safes of welded steel, each weighing 11.8 kg or less, valued \$19 or more but not over \$38, with digital lock (provided for in heading 8303.00.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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4 **SEC. 75079. STAINLESS STEEL HOSE KITS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.29.99	<i>Mechanical kits each containing flexible hoses of base metal with fittings, clamps, manifolds and other hardware designed for use with machines and apparatus of subheading 8486.20.00 (provided for in subheading 8307.10.30)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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7 **SEC. 75080. STAINLESS STEEL HOSES.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.30.01	<i>Flexible stainless steel hoses with fittings, designed for used with machines and apparatus of subheading 8486.20.00 (provided for in subheading 8307.10.30); the foregoing not presented in kits containing goods described in other subheadings</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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10 **SEC. 75081. WRIST WATCH STRAP BUCKLES NOT OVER 18**

11 **MM.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.30.02	<i>Buckles of stainless steel, of a kind used for wrist watch straps measuring not over 18 mm (provided for in subheading 8308.90.60)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75082. WRIST WATCH STRAP BUCKLES OVER 18 MM.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.30.03	<i>Buckles of stainless steel, of a kind used for wrist watch straps measuring over 18 mm (provided for in subheading 8308.90.60)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 75083. USED CYLINDER HEADS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.30.04	<i>Used cast-iron cylinder heads designed for use in spark-ignition internal combustion piston engines (provided for in subheading 8409.91.99)</i>	<i>0.8%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 75084. CYLINDER HEADS USED SOLELY OR PRIN-**
 8 **CIPALLY WITH CERTAIN ENGINES.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.30.05	<i>Cast-iron cylinder heads for use solely or principally with engines of heading 8708, such engines designed to be installed in vehicles classifiable in subheading 8701.20 or 8704.23 and with bore greater than 126 mm (provided for in subheading 8409.99.91)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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11 **SEC. 75085. ENGINE BLOCKS.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.30.06	<i>Engine blocks, each weighing over 272 kg but not over 317 kg, for compression-ignition internal combustion piston engines (diesel or semi-diesel engines), such engines each having a cylinder capacity of approximately 12.4 liters and for vehicles of subheading 8701.20 or 8704.23 (provided for in subheading 8409.99.91)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75086. SWIRLER ASSEMBLIES FOR TURBINES.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.30.07	<i>Swirler assemblies, designed to be used in non-aircraft gas turbines (provided for in subheading 8411.99.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 75087. BARRELS FOR FUEL MIXING.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.30.08	<i>Barrels of nickel alloy, for fuel mixing within non-aircraft gas turbines of heading 8411 (provided for in subheading 8411.99.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 75088. INJECTOR ASSEMBLIES FOR CERTAIN TUR-**
 8 **BINES.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.30.09	<i>Injector assemblies of fuel injection components, designed to deliver fuel in the combustion system for use in non-aircraft gas turbines of heading 8411 (provided for in subheading 8411.99.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75089. STEM ASSEMBLIES FOR CERTAIN TURBINES.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.30.10	<i>Fuel tube air-swirlers forming stem assemblies of nickel alloys and stainless steel for use in non-aircraft gas turbines of heading 8411 (provided for in subheading 8411.99.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 75090. TIP ASSEMBLIES FOR NON-GAS TURBINES.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.30.11	<i>Tip assemblies of nickel alloy, for use in non-aircraft gas turbines of heading 8411 (provided for in subheading 8411.99.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 75091. HIGH PRESSURE FUEL PUMPS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.30.12	<i>High pressure fuel pumps, each incorporating a dual layered damper enclosed with a multi-step stamped cover to aid in stabilizing pressure, certified by the importer to be used in regulating the fuel supply into the fuel rail, designed for use in gasoline direct injection (GDI) spark-ignition internal combustion piston engines (provided for in subheading 8413.30.90); the foregoing other than used goods</i>	<i>1.3%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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10 **SEC. 75092. DRY SCROLL VACUUM PUMPS 364X333X485 MM.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.30.13	Dry scroll vacuum pumps, measuring approximately 364 mm in height, 333 mm in width and 485 mm in length, valued over \$1,000 each (provided for in subheading 8414.10.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 SEC. 75093. DRY SCROLL VACUUM PUMPS 297X260X420 MM.

2 *Subchapter II of chapter 99 is amended by inserting*

3 *in numerical sequence the following new heading:*

“	9902.30.14	Dry scroll vacuum pumps, measuring approximately 297 mm in height, 260 mm in width and 420 mm in length, valued over \$1,000 each (provided for in subheading 8414.10.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 SEC. 75094. DRY SCROLL VACUUM PUMPS 254X260X420 MM.

5 *Subchapter II of chapter 99 is amended by inserting*

6 *in numerical sequence the following new heading:*

“	9902.30.15	Dry scroll vacuum pumps, each measuring approximately 254 mm in height, 260 mm in width and 420 mm in length and valued over \$1,000 (provided for in subheading 8414.10.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 SEC. 75095. DRY SCROLL VACUUM PUMPS 181X140X358 MM.

8 *Subchapter II of chapter 99 is amended by inserting*

9 *in numerical sequence the following new heading:*

“	9902.30.16	Dry scroll vacuum pumps, each measuring approximately 181 mm in height, 140 mm in width and 358 mm in length and valued over \$1,000 (provided for in subheading 8414.10.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75096. TURBOMOLECULAR VACUUM PUMPS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.30.17	<i>Turbomolecular vacuum pumps, valued over \$1,000 each (provided for in subheading 8414.10.00)</i>	0.2%	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 75097. ROTARY VANE VACUUM PUMPS VALUED OVER**
 5 **\$500 EACH.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.30.18	<i>Rotary vane vacuum pumps, incorporating vanes mounted to a rotor inside a cavity, such pumps valued over \$500 each (provided for in subheading 8414.10.00)</i>	Free	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 75098. VACUUM DIFFUSION PUMPS VALUED OVER \$900**
 9 **EACH.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.30.19	<i>Vacuum diffusion pumps, using a high speed jet of vapor to direct gas molecules, valued over \$900 each (provided for in subheading 8414.10.00)</i>	Free	No change	No change	On or before 12/31/2023 ... ”.
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12 **SEC. 75099. HAND- OR FOOT-OPERATED AIR PUMPS.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.30.20	<i>Hand- or foot-operated air pumps (provided for in subheading 8414.20.00)</i>	2.8%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75100. ROOF VENT FANS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.30.21	Ventilation fans, designed for permanent installation on the rooftop of recreational and specialty vehicles, each consisting of an electric D/C motor with an output wattage over 9 W but not exceeding 28 W, a plastic fan blade of a diameter between 15.24 cm and 30.48 cm and a base plate (provided for in subheading 8414.51.30)	2.8%	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 75101. 12-AMP CORDED ELECTRIC LEAF BLOWERS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.30.22	Electric centrifugal blowers, of a kind used solely or principally for blowing leaves, each with a self-contained AC electric motor not exceeding 12 A and an output not exceeding 1.45 kW (provided for in subheading 8414.59.65)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 75102. CORDLESS BATTERY POWERED LEAF BLOWERS**

8 **NOT EXCEEDING 20 VOLTS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.30.23	Centrifugal blowers of a kind used solely or principally for blowing leaves, each powered by a self-contained DC lithium-ion battery not exceeding 20 V and an output not exceeding 0.04 kW (provided for in subheading 8414.59.65)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75103. CORDLESS BATTERY POWERED LEAF BLOWERS**

2 **BETWEEN 20 AND 60 V.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.30.24	Centrifugal blowers of a kind used solely or principally for blowing leaves, each powered by a self-contained DC lithium-ion battery greater than 20 V but not exceeding 60 V, and of an output greater than 0.04 kW but not exceeding 0.12 kW (provided for in subheading 8414.59.65)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 75104. FAN ASSEMBLIES FOR CAB CLIMATE SYSTEMS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.30.25	Centrifugal fans designed to be used in cab climate systems, for heating, cooling or air circulation units in machinery or vehicles of headings 8429, 8701 or 8704 (provided for in subheading 8414.59.65)	Free	No change	No change	On or before 12/31/2023 ...”.
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8 **SEC. 75105. AQUARIUM AIR PUMPS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.30.26	Air pumps designed for use in aquarium tanks having a volume of 3.78 liters or more but not over 1,135.7 liters, such pumps with housings of plastics and feet of rubber, powered by 120 V AC (provided for in subheading 8414.80.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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11 **SEC. 75106. HEAT PUMPS FOR RESIDENTIAL USE.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.30.27	<i>Heat pumps designed for residential use, each with copper piping, an aluminum plate-fin heat exchanger, a rotary inverter compressor and a fan covered with galvanized steel sheets, such pumps measuring between 555 mm and 702 mm in height, between 770 mm and 845 mm in width and between 300 mm and 363 mm in depth (provided for in subheading 8415.90.80)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75107. HEAT PUMPS (OUTDOOR UNITS) FOR SPLIT AIR**
 2 **CONDITIONER SYSTEMS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.30.28	<i>Heat pumps (outdoor units) designed for use with split air conditioner systems for residential use, such units consisting of copper piping, an aluminum plate-fin heat exchanger, a rotary inverter compressor and a fan, all of which is covered with galvanized steel sheets to form units measuring between 703 mm and 810 mm in height, between 845 mm and 946 mm in width and between 335 mm and 386 mm in depth (provided for in subheading 8415.90.80)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 75108. HIGH-WALL INDOOR UNITS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.30.29	<i>Heat pumps designed for residential use, consisting of a fan coil, electrical circuit boards, electrical components and motors, covered in a molded plastic casing, such heat pumps measuring between 280 mm and 343 mm in height, between 835 mm and 1,186 mm in width and between 198 mm and 258 mm in depth (provided for in subheading 8415.90.80)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75109. SINGLE-ZONE OUTDOOR UNITS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.30.30	<i>Heat pumps designed for residential use, each consisting of a rotary compressor, a fan coil and aluminum plate-fin heat exchanger, covered in galvanized steel, such heat pumps measuring between 300 mm and 322 mm in depth, 770 mm in width and 555 mm in height (provided for in subheading 8415.90.80)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 75110. MINI HEAT PUMPS FOR SPLIT AIR CONDI-**
 5 **TIONER SYSTEMS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.30.31	<i>Heat pumps (outdoor units) designed for use with split air conditioner systems for residential use, such units each consisting of copper piping, aluminum plate-fin heat exchanger, a rotary inverter compressor and a pair of fans, all of which is covered with galvanized steel sheets to form units measuring 1,327.15 mm in height, 901.7 mm in width and 400 mm in depth (provided for in subheading 8415.90.80)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 75111. MULTI-ZONE OUTDOOR UNIT DUCTLESS SYS-**
 9 **TEMS.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.30.32	<i>Heat pumps designed for residential use, each consisting of copper piping, aluminum plate-fin heat exchanger, a rotary inverter compressor, a pair of fans and covered in galvanized steel sheets, such heat pumps measuring 1,333 mm in height, 1,045 mm in width and 380 mm in depth (provided for in subheading 8415.90.80)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75112. INDOOR UNITS OF SPLIT AIR CONDITIONER**
 2 **SYSTEMS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.30.33	<i>Indoor units of split air conditioner systems, designed for use with ducted systems, consisting of motors, pumps and fans covered in steel casing, such units measuring approximately 1,400 mm in width, 447 mm in height and 898 mm in depth (provided for in subheading 8415.90.80)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 75113. DUCTLESS 18000 BTU HEAT PUMPS, SINGLE**
 6 **ZONE INVERTER.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.30.34	<i>Heat pumps designed for residential use with ductless air conditioning machines, each with a motor, a fan, brazed tubes and aluminum plate-fin heat exchanger and covered in sheet metal, such heat pumps measuring between approximately 551.2 mm and 1,341.12 mm in height, between 779.8 mm and 899.2 mm in width and between 289.6 mm and 680.7 mm in depth (provided for in subheading 8415.90.80)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75114. SINGLE-PHASE HEAT PUMP.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.30.35	<i>Heat pumps designed for residential use with both ducted and ductless systems, each with two fans, finned tube and hermetic rotary compressor and covered in galvanized steel, measuring 154.9 cm in height, 101.1 cm in width and 37.1 cm in depth (provided for in subheading 8415.90.80)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 75115. STEEL VACUUM PITCHERS WITH PLASTIC**
 5 **HINGED LID.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.30.36	<i>Vacuum insulated thermal pitchers, each with stainless steel interior and exterior, with a capacity exceeding 1 liter but not exceeding 2 liters, measuring approximately 27.9 cm or more but not over 30.5 cm in height, with plastic brew-through lid for direct brewing and plastic spout and handle for pouring, used and marketed for commercial coffee brewers of subheading 8419.81 (provided for in subheading 8419.90.95)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 75116. OIL FILTERS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.30.37	<i>Oil filters for use solely or principally with diesel engines, such engines producing 63 kW of power (provided for in subheading 8421.23.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75117. BATTERY POWERED NASAL IRRIGATORS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.30.38	<i>Battery-operated personal nasal irrigators (provided for in subheading 8424.89.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 75118. STRUTS TO ABSORB VIBRATION.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.30.39	<i>Spring struts designed to absorb vibration in household- or laundry-type washing machines, such struts each measuring in overall length 350 mm or more but not over 380 mm and in diameter approximately 35 mm or more but not over 40 mm, with 8 mm threads at each end (provided for in subheading 8450.90.60)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 75119. TABLE SAWS (25.4 CM.), OPERABLE CORDED AND**
 8 **CORDLESS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.30.40	<i>Brushless table saws for working wood, cork, bone, hard rubber, hard plastics or similar hard materials, each capable of being powered by either a 36 V DC lithium-ion battery or by AC power, with blade measuring 25.4 cm (provided for in subheading 8465.91.00), the foregoing other than goods described in any other heading of this subchapter</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75120. SLIDING MITER SAWS (25.4 CM) WITH LASER,**
 2 **CORDED AND CORDLESS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.30.41	Brushless miter sawing machines, each capable of being powered by either a 36 V DC lithium-ion battery or by AC power, not numerically controlled, for working wood, cork, bone, hard rubber, hard plastics or similar hard materials, with 25.4 cm blade, capable of adjusting bevel of cut, with laser guides and slide rail (provided for in subheading 8465.91.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 75121. ELECTROMECHANICAL ROTARY HAMMERS,**
 6 **CORDED AND CORDLESS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.30.42	Rotary hammer tools, of a kind for working in the hand, each with self-contained brushless electromechanical motor, such tools capable of performing drilling and chiseling and of being powered both by a 36 V DC lithium-ion battery and by AC power, with a minimum speed of 260 RPM and a maximum speed of 590 RPM (provided for in subheading 8467.21.00)	0.9%	No change	No change	On or before 12/31/2023 ... ”.
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9 **SEC. 75122. ELECTROMECHANICAL HAMMER IMPACT DRIV-**
 10 **ERS, CORDED AND CORDLESS.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.30.43	<i>Hand-held brushless electromechanical impact drivers, designed to drive screws at varying speeds, each capable of being powered by a 36 V DC lithium-ion battery or by AC power as required by the user (provided for in subheading 8467.21.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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1 **SEC. 75123. ROTARY HAMMER DRILL TOOLS WITH SELF-**
 2 **CONTAINED ELECTRIC MOTOR.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.30.44	<i>Rotary drill and hammer tools with self-contained electric motor, each with pneumatic hammering mechanism designed to engage with carbide drill bits and an electromechanical mechanism that separates the drive from the internal gearings, each with rated amperage that does not exceed 9 A, and with triaxial vibration values, measured in accordance with European Norm 60745, that does not exceed 17 m/s² (provided for in subheading 8467.21.00)</i>	<i>0.5%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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5 **SEC. 75124. DRILL DRIVER TOOLS WITH SELF-CONTAINED**
 6 **ELECTRIC MOTOR.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.30.45	<i>Drill driver tools with self-contained electric motor, each encased in a rubberized glass-fiber reinforced casing that engages a smooth or slotted shank drill-bit, powered by 10.8 V, 21.6 V or 120 V, with rated amperage that does not exceed 12 A, and with triaxial vibration values, measured in accordance with European Norm 60745, that does not exceed 3.5 m/s² (provided for in subheading 8467.21.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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1 **SEC. 75125. EXTRUDERS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.30.46	<i>Extruders, designed for processing thermoplastics, with a screw size of 6.4 cm or greater (provided for in subheading 8477.20.00)</i>	2.2%	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 75126. THREE-DIMENSIONAL DRAWING PENS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.30.47	<i>Three-dimensional (3D) drawing devices, each with an exterior on/off switch, dual control buttons to activate the device's motor or control speed of extruding filament, removable metal nozzle and removable maintenance panel, such drawing devices measuring between 10 mm and 50 mm in length and between 5 mm and 20 mm in width (provided for in subheading 8477.80.00)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 75127. PROFESSIONAL GRADE THREE-DIMENSIONAL**
 8 **DRAWING PENS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.30.48	<i>Three-dimensional (3D) drawing devices, each with dual control buttons to activate the device's motor or control the direction of the extruding filament, an exterior liquid crystal display (LCD), a magnetically affixed removable panel and removable metal nozzle, such drawing devices measuring between 5 cm and 15 cm in length and between 1 cm and 3 cm in width (provided for in subheading 8477.80.00)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75128. ELECTRIC MULTI-FUNCTIONAL BLOWER VACU-**
 2 **UMS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.30.49	<i>Electromechanical appliances capable of blowing, vacuuming and mulching, each with a self-contained AC electric motor not exceeding 12 A and an output not exceeding 1.45 kW (provided for in subheading 8479.89.65)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 75129. AUTOSAMPLERS (MULTISAMPLERS) FOR LIQUID**
 6 **CHROMATOGRAPHS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.30.50	<i>Autosamplers (“multisamplers”) for liquid chromatographs, such autosamplers capable of lifting and handling both microliter plates and vials and each measuring approximately 320 mm in height, 468 mm in depth and 396 mm in width (provided for in subheading 8479.89.94)</i>	<i>0.2%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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9 **SEC. 75130. AUTOSAMPLERS (VIALSAMPLERS) FOR LIQUID**
 10 **CHROMATOGRAPHS.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.30.51	<i>Autosamplers (“vialsamplers”) for liquid chromatographs, such autosamplers capable of lifting and handling only vials and measuring approximately 320 mm in height, 468 mm in depth and 396 mm in width (provided for in subheading 8479.89.94)</i>	<i>0.5%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75131. HYDRAULIC HAMMER ASSEMBLY.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.30.52	<i>Hydraulic hammers designed for use on backhoes, shovels, clamshells or draglines and suitable for use in demolishing concrete or asphalt (provided for in subheading 8479.89.94)</i>	2.2%	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 75132. SEGMENTED BLADDER-OPERATED MOLDS, WITH**
 5 **MORE THAN 25-INCH RIM DIAMETER.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.30.53	<i>Segmented bladder-operated molds, designed to be used for molding/forming and curing “green tires” with a rim diameter measuring over 63.5 cm (provided for in subheading 8480.79.90), such tires for off-the-road use</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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8 **SEC. 75133. USED VALVES FOR DIRECTIONAL CONTROL.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.30.54	<i>Used hydraulic directional control valves (provided for in subheading 8481.20.00)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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11 **SEC. 75134. KEG SPEARS WITH PRESSURE RELEASE VALVES.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.30.55	<i>Keg spears, each with automatic (not hand operated) relief valve designed to release pressure at approximately 30 bar (provided for in subheading 8481.40.00)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75135. MULTIPORT DISTRIBUTION CONTROLLERS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.30.56	Solenoid actuated valves equipped with multiple apparatus (up to two sub multiport distribution controllers) for electrical control and 6, 8, 10 or 16 ports for variable refrigerant flow all of which is covered in a galvanized steel plate box with white powder coating, such valves measuring 323.85 mm in height and between 939.8 mm and 1,181.1 mm in width (provided for in subheading 8481.80.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 75136. SUBSEA MODULAR TREES.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.30.57	Subsea trees, each comprising an assembly of valves, capable of regulating and containing the hydrocarbon flow from a well, such trees also capable of preventing the release of hydrocarbons from a well into the environment (provided for in subheading 8481.80.90)	1.5%	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 75137. FLOW SELECTOR UNIT-MULTI-PORT 6-BRANCH**
 8 **ENGINE CRANKSHAFTS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.30.58	Solenoid actuated control valves consisting of brazed copper pipes and galvanized steel plates, each designed for use with residential heat pumps and fan coils and measuring 215.9 mm in height, 1,056.64 mm in width and 568.96 mm in length (provided for in subheading 8481.80.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75138. ENGINE CRANKSHAFTS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.30.59	<i>Engine crankshafts used in engines under headings 8407 or 8408, such crankshafts weighing between 275 kg and 650 kg, or between 100 kg and 130 kg (provided for in subheading 8483.10.30), the foregoing other than goods described in heading 9902.15.96</i>	1.5%	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 75139. TURBOCHARGER JOURNAL BEARINGS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.30.60	<i>Journal bearings, each designed to support and permit free rotation of a rotor within a turbocharger (provided for in subheading 8483.30.80)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 75140. MID-RANGE BEARING HOUSINGS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.30.61	<i>Mid-range bearing housings, shell cast and sand molded, of gray cast iron, machine finished and designed for compression-ignition internal combustion diesel engines with cylinder capacities of 5.9 liters or more but not exceeding 10 liters, each bearing housing with an overall length between 55 mm and 135 mm and weighing at least 6 kg but not over 25 kg (provided for in subheading 8483.30.80)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 75141. HEAVY DUTY BEARING HOUSINGS.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

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“	9902.30.62	<i>Heavy duty bearing housings, shell cast and sand molded of gray cast iron, machine finished, designed for compression-ignition internal combustion diesel engines, such engines with cylinder capacity of 10 liters or more but not exceeding 16 liters, each bearing housing with an overall length between 55 mm and 135 mm and weighing 6 kg or more but not exceeding 25 kg (provided for in subheading 8483.30.80)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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1 SEC. 75142. FIXED RATION GEAR BOXES.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.30.63	<i>Fixed ratio gearboxes designed for use with generating sets of heading 8502 (provided for in subheading 8483.40.50)</i>	2.4%	No change	No change	On or before 12/31/2023 ...”.
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4 SEC. 75143. TRACK DRIVE GEAR BOXES.

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.30.64	<i>Track drive gear boxes, designed for use in machinery of heading 8429 or 8436 (provided for in subheading 8483.40.50)</i>	1.5%	No change	No change	On or before 12/31/2023 ...”.
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7 SEC. 75144. SWING BEARING ASSEMBLY.

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.30.65	<i>Geared swing bearing assemblies, of a kind used to rotate the cab of machinery described in subheading 8429.52.10 (provided for in subheading 8483.90.50)</i>	1.5%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75145. GEARS FOR USE IN MACHINERY OR WITHIN EN-**
 2 **GINES.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.30.66	Transmission timing gears or gear drive gears, the foregoing of alloy steel and designed to be used in machinery or within an engine, such gears each weighing between 1.885 kg and 500 kg, measuring between 30 mm and 505 mm in diameter and between 15 mm and 285 mm in width (provided for in subheading 8483.90.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 75146. 14Y STEPPER MOTORS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.30.67	Electric DC stepper motors of an output under 18.65 W, measuring between 20 mm and 39 mm in length (provided for in subheading 8501.10.40)	Free	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 75147. AIR DOOR ACTUATORS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.30.68	Air door actuator DC motor of an output under 18.65 W for heating, ventilating and air conditioning (HVAC) climate-control systems (provided for in subheading 8501.10.40)	2.1%	No change	No change	On or before 12/31/2023 ... ”.
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11 **SEC. 75148. SERVO MOTORS.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.30.69	<i>Ferrite type DC electric motors, of a kind used to control air temperature in permanently installed heating, ventilation and air conditioning systems in the automotive industry, each motor with an operating voltage ranging between 8 V and 14.5 V (amp side voltage ranging between 10 V and 16 V), ring varistor, brush and D cut output shaft (provided for in subheading 8501.10.40)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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1 **SEC. 75149. DC BRUSHED RHOMBIC WINDING NDFEB MAG-**
 2 **NET MOTORS, WITH OUTPUT UNDER 18.65 W.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.30.70	<i>Electric DC, brushed, ironless core motors with rhombic winding and NdFeB magnets, each motor with an output under 18.65 W and a diameter exceeding 8 mm but not exceeding 15 mm (provided for in subheading 8501.10.40)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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5 **SEC. 75150. DC BRUSHED RHOMBIC WINDING NDFEB MAG-**
 6 **NET MOTORS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.30.71	<i>Electric DC, brushed, ironless core motors with rhombic winding and NdFeB magnets, each motor with an output under 18.65 W and a diameter exceeding 15 mm (provided for in subheading 8501.10.40)</i>	<i>0.4%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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9 **SEC. 75151. DC BRUSHED RHOMBIC WINDING ALNICO MAG-**
 10 **NET MOTORS, WITH OUTPUT UNDER 18.65 W.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.30.72	<i>Electric DC, brushed ironless core motors with rhombic winding and AlNiCo magnets, each motor with an output under 18.65 W (provided for in subheading 8501.10.40)</i>	0.2%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75152. DC BRUSHLESS RHOMBIC WINDING NDFEB MAG-**
 2 **NET MOTORS, WITH OUTPUT UNDER 18.65 W.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.30.73	<i>Electric DC, brushless slotless motors with rhombic winding and NdFeB magnets, each motor with an output under 18.65 W and a diameter exceeding 8 mm (provided for in subheading 8501.10.40)</i>	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 75153. DC BRUSHED RHOMBIC WINDING NDFEB MAG-**
 6 **NET MOTORS, WITH OUTPUT OVER 18.65 BUT**
 7 **NOT OVER 37.5 W.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.30.74	<i>Electric DC, brushed, ironless core motors with rhombic winding and NdFeB magnets, each motor with an output of 18.65 W or more but not exceeding 37.5 W (provided for in subheading 8501.10.60)</i>	Free	No change	No change	On or before 12/31/2023 ... ”.
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10 **SEC. 75154. DC BRUSHED RHOMBIC WINDING ALNICO MAG-**
 11 **NET MOTORS, WITH OUTPUT OVER 18.65 W**
 12 **BUT NOT OVER 37.5 W.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.30.78	<i>Electric DC, brushless slotless motors with rhombic winding and NdFeB magnets, each motor with an output exceeding 37.5 W but not exceeding 74.6 W (provided for in subheading 8501.31.20)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 75158. MOTORS.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.30.79	<i>Electric DC motors, of an output exceeding 37.5 W but not exceeding 74.6 W (provided for in subheading 8501.31.20); the foregoing excluding brushed ironless core motors or brushless slotless motors containing rhombic winding and NdFeB magnets</i>	<i>2.6%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 75159. DC MOTORS OF AN OUTPUT EXCEEDING 74.6 W**
 5 **BUT NOT EXCEEDING 735 W.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.30.80	<i>DC motors of an output exceeding 74.6 W but not exceeding 735 W, weighing 2.6 kg, measuring 155 mm in length, each equipped with an electronic power steering control module with an exterior surface of carbon steel coated on both sides with an aluminum-silicon alloy; where the three phase neutral point is external to the motor and located within the control module as certified by the importer (provided for in subheading 8501.31.40)</i>	<i>2.5%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 75160. DC MOTORS, OF AN OUTPUT EXCEEDING 74.6 W**
 9 **BUT NOT EXCEEDING 735 W.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.30.81	<i>DC motors, of an output exceeding 74.6 W but not exceeding 735 W, each valued not over \$18 (provided for in subheading 8501.31.40); the foregoing excluding products described in heading 9902.16.07 and DC motors with rhombic winding and NdFeB magnets</i>	3.3%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75161. DC BRUSHED RHOMBIC WINDING NDFEB MAG-**
 2 **NET MOTORS OUTPUT OVER 74.6 W BUT NOT**
 3 **OVER 735 W.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.30.82	<i>Electric DC, brushed ironless core motors with rhombic winding and NdFeB magnets, each motor with an output exceeding 74.6 W but not exceeding 735 W (provided for in subheading 8501.31.40); the foregoing excluding products described in heading 9902.16.07</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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6 **SEC. 75162. DC BRUSHLESS SLOTLESS RHOMBIC WINDING**
 7 **NDFEB MAGNET MOTORS OUTPUT OVER 74.6**
 8 **W BUT NOT OVER 735 W.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.30.83	<i>Electric DC, brushless slotless motors containing rhombic winding and NdFeB magnets, each motor of an output exceeding 74.6 W but not exceeding 735 W (provided for in subheading 8501.31.40); the foregoing excluding products described in heading 9902.16.07</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75163. DC MOTORS OF AN OUTPUT EXCEEDING 750 W**
 2 **BUT NOT EXCEEDING 14.92 KW.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.30.84	<i>DC motors of an output exceeding 750 W but not exceeding 14.92 kW, each weighing 3.04 kg or more but not over 3.37 kg, each measuring 187 mm or more in length but not over 198 mm, each equipped with an electronic power steering control module with an exterior surface of carbon steel coated on both sides with an aluminum-silicon alloy, in which the three phase neutral point is external to the motor and located within the control module as certified by the importer (provided for in subheading 8501.32.20)</i>	2.1%	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 75164. DC ELECTRIC MOTOR FOR NON-AIRCRAFT GAS**
 6 **TURBINES.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.30.85	<i>Electric DC motors of an output exceeding 750 W but not exceeding 14.92 kW, such motors used in non-aircraft gas turbines (provided for in subheading 8501.32.20)</i>	Free	No change	No change	On or before 12/31/2023 ... ”.
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9 **SEC. 75165. AC ALTERNATORS.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.30.86	<i>AC alternators with copper windings for diesel engines, gas engines or turbines, each weighing approximately between 57 kg and 250 kg, and rated from 1 kVA to 75 kVA (provided for in subheading 8501.61.00)</i>	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75166. AC ALTERNATORS WITH COPPER WINDINGS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.30.87	<i>AC alternators with copper windings for diesel engines, gas engines or turbines rated from 75 kVA to 375 kVA (provided for in subheading 8501.62.00)</i>	1.8%	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 75167. WOUND STATORS AND ROTOR ASSEMBLIES.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.30.88	<i>Stators and rotors for the goods of heading 8501, for motors over 18.65 W, such motors being used in oilfield electrical submersible pumps (ESPs) (provided for in subheading 8503.00.65)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 75168. ROTORS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.30.89	<i>Rotors suitable for motors of heading 8501 exceeding 18.65 W but not over 735 W (provided for in subheading 8503.00.65)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 75169. STATORS FOR WASHING MACHINES, WITH A 27-**
 11 **TOOTH DESIGN.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.30.90	Stators for brushless permanent magnet alternating current three-phase motors exceeding 18.65 W but not exceeding 735 W, with a 27 tooth design, each having a variable speed range of zero to 1,200 revolutions per minute and having the capability of producing starting torque up to 5.7 kg-m; the foregoing stators for use in laundry appliances and each having a helical wrapped lamination, overmolded resin construction, a 4.2 to one tooth length/width ratio, and having the capability of 68 A-weighted decibel sound levels, each stator having a diameter of 260.6 mm and a maximum height of 58 mm (provided for in subheading 8503.00.65)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75170. STATORS FOR WASHING MACHINES, WITH AN 18-**
 2 **TOOTH DESIGN.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.30.91	Stators for brushless permanent magnet alternating current three-phase motors exceeding 18.65 W but not over 735 W, with an 18 tooth design, each having a variable speed range of zero to 900 revolutions per minute and having the capability of producing starting torque of up to 1.1 kg-m, the foregoing stators each having a nested helical wrapped lamination, an overmolded resin construction, and the capability of 60 A-weighted decibel sound levels, and having a diameter of 208 mm and a height of 45 mm (provided for in subheading 8503.00.65)	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 75171. ROTORS FOR WASHING MACHINES, WITH A**
 6 **HEIGHT OF 60.8 MM.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.30.92	Rotors for brushless permanent magnet alternating current three-phase motors exceeding 18.65 W but not over 735 W, each with 24 poles and a variable speed range of zero to 1,200 revolutions per minute and having the capability of producing starting torque of up to 5.7 kg-m, the foregoing rotors designed for use in a laundry appliance, with an overmolded resin construction and 20 percent contour discrete magnets capable of 68 A-weighted decibel sound levels, with a diameter of 296 mm and a height 60.8 mm (provided for in subheading 8503.00.65)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 SEC. 75172. ROTORS FOR WASHING MACHINES, WITH A
2 HEIGHT OF 49 MM.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.30.93	Rotors for brushless permanent magnet AC 3-phase motors exceeding 18.65 W but not over 735 W, with 24 poles, a variable speed range of zero to 900 revolutions per minute, producing starting torque of up to 1.1 kg-m, with an overmolded resin construction, designed to mount directly to the transmission input shaft, and including a flux ring for an electro-magnetic shifter, with a diameter of 236 mm and a height 49 mm (provided for in subheading 8503.00.65)	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 SEC. 75173. 6 V LEAD-ACID STORAGE BATTERIES.

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.30.94	6 V Lead-acid storage batteries, with a maximum length of 17 cm, maximum width of 9 cm and maximum height of 17 cm, of a kind used for the source of power for medical devices (provided for in subheading 8507.20.80)	0.3%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75174. 12 V LEAD-ACID STORAGE BATTERIES, USED**
 2 **FOR THE AUXILIARY SOURCE OF POWER.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.30.95	12 V Lead-acid storage batteries, of a kind used for the auxiliary source of power for burglar or fire alarms and similar apparatus of subheading 8531.10.00 (provided for in subheading 8507.20.80)	2.5%	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 75175. LEAD-ACID STORAGE BATTERIES, USED FOR**
 6 **WHEELCHAIRS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.30.96	12 V Lead-acid storage batteries, of a kind used for the source of power for wheelchairs and mobility scooters of subheading 8713.90.00 (provided for in subheading 8507.20.80)	3.1%	No change	No change	On or before 12/31/2023 ...”.
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9 **SEC. 75176. 12 V LEAD-ACID STORAGE BATTERIES, RATED AT**
 10 **LESS THAN 15 AMPERE-HOURS.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.30.97	12 V Lead-acid storage batteries, with a maximum length of 20 cm, maximum width of 10 cm and maximum height of 10 cm, rated at less than 15 ampere-hours, of a kind used for the source of power for medical devices (provided for in subheading 8507.20.80)	3%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75177. 12 V LEAD-ACID STORAGE BATTERIES, RATED AT**
 2 **15 AMPERE-HOURS OR MORE.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.30.98	12 V Lead-acid storage batteries, with a maximum length of 35 cm, maximum width of 18 cm and maximum height of 25 cm, rated at 15 ampere-hours or more, of a kind used for the source of power for medical devices (provided for in subheading 8507.20.80)	3.1%	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 75178. CELL BOX ASSEMBLIES, WEIGHING 15 KG OR**
 6 **MORE BUT NOT OVER 18 KG.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.30.99	Lithium-ion battery cell boxes having aluminum cases, of a kind used for electrically powered motorcycles of heading 8711, containing numerous individual lithium-ion battery cells, such cell boxes having a minimum specific energy density of 175 watt-hour per kg, a minimum volumetric specific energy of 380 watt-hour per liter and weighing 15 kg or more but not over 18 kg (provided for in subheading 8507.60.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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9 **SEC. 75179. CELL BOX ASSEMBLIES, WEIGHING 30 KG OR**
 10 **MORE BUT NOT OVER 36 KG.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.31.01	<i>Lithium-ion battery cell boxes having aluminum cases, of a kind used for electrically powered motorcycles of heading 8711, containing numerous individual lithium-ion battery cells, such cell boxes having a minimum specific energy density of 168 watt-hour per kg, a minimum volumetric specific energy of 370 watt-hour per liter and weighing 30 kg or more but not over 36 kg (provided for in subheading 8507.60.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 75180. CELL BOX ASSEMBLIES, WEIGHING 36 KG OR
2 MORE BUT NOT OVER 49 KG.

3 Subchapter II of chapter 99 is amended by inserting
4 in numerical sequence the following new heading:

“	9902.31.02	<i>Lithium-ion battery cell boxes having aluminum cases, of a kind used for electrically powered motorcycles of heading 8711, containing numerous individual lithium-ion battery cells, such cell boxes having a minimum specific energy density of 180 watt-hour per kg, a minimum volumetric specific energy of 385 watt-hour per liter and weighing 36 kg or more but not over 49 kg (provided for in subheading 8507.60.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 SEC. 75181. CELL BOX ASSEMBLIES NX.

6 Subchapter II of chapter 99 is amended by inserting
7 in numerical sequence the following new heading:

“	9902.31.03	<i>Lithium-ion battery cell boxes having aluminum cases, of a kind used for electrically powered motorcycles of heading 8711, containing numerous individual lithium-ion battery cells, such cell boxes having a minimum specific energy density of 210 watt-hour per kg, a minimum volumetric specific energy of 445 watt-hour per liter and weighing 18 kg or more but not over 30 kg (provided for in subheading 8507.60.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75182. FOOD PROCESSORS WITH A CAPACITY GREATER**
 2 **THAN 2.9 LITERS BUT NOT EXCEEDING 3.1 LI-**
 3 **TERS.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.31.04	<i>Electromechanical food processors, of a kind used for domestic purposes, with a self-contained electric motor with a minimum of two speeds and a sealable clear plastic bowl, the foregoing having a capacity greater than 2.9 liters but not exceeding 3.1 liters, each lid being attached to the plastic bowl with a hinge, the foregoing food processors having three paddle buttons, each button featuring an indicator light (provided for in sub-heading 8509.40.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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6 **SEC. 75183. FOOD PROCESSORS WITH A CAPACITY GREATER**
 7 **THAN 1.6 LITERS BUT NOT EXCEEDING 2.2 LI-**
 8 **TERS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.31.05	<i>Electromechanical food processors, of a kind used for domestic purposes, with a self-contained electric motor with a minimum of two speeds and a sealable clear plastic bowl, the foregoing having a capacity greater than 1.6 liters but not exceeding 2.2 liters, each lid being attached to the plastic bowl with a hinge, the foregoing food processors having three paddle buttons, each button featuring an indicator light (provided for in sub-heading 8509.40.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75184. CORDLESS HAND BLENDERS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.31.06	<i>Electromechanical cordless handheld food and beverage blending devices, of a kind used for domestic purposes, each with a self-contained electric motor, a non-removable rechargeable lithium ion battery, and a plastic housing with a brushed aluminum trim band; the foregoing blending devices, each having a battery indicator light on the top of the handle, a variable speed control button, a safety lock and a removable stainless steel blending arm (provided for in subheading 8509.40.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 75185. CORDLESS HAND MIXERS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.31.07	<i>Electromechanical cordless handheld food mixers, of a kind used for domestic purposes, each with a self-contained motor and a rechargeable lithium ion battery, the foregoing having at least seven speed options, a battery indicator light, and a handle containing a chrome plated speed control lever and a plastic button for ejecting beaters, each food mixer with the ability to stand on one end unassisted (provided for in subheading 8509.40.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 75186. CORDED HAND BLENDERS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.31.08	<i>Electromechanical domestic corded handheld food and beverage blending devices, each with a self-contained electric motor and a plastic housing with a brushed aluminum trim band and a removable stainless steel blending arm, the foregoing not having a non-removable rechargeable lithium ion battery (provided for in subheading 8509.40.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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1 **SEC. 75187. BURR COFFEE GRINDERS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.31.09	<i>Electromechanical burr coffee grinders, of a kind used for domestic purposes, each with an aluminum trim band, internal portafilter holder that can accommodate multiple sizes of portafilters, a self-contained electric motor, the foregoing coffee grinders having one clear plastic top storage vessel and one clear plastic bottom storage vessel, having a rotary lever for selecting grind size immediately below the top storage vessel and a grinding enclosure containing a liquid crystal display, control buttons and a rotating knob for selecting desired coffee amount (provided for in subheading 8509.40.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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4 **SEC. 75188. ELECTRIC FOOD PROCESSORS WITH BOWL**
 5 **SCRAPER.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.31.10	<i>Electromechanical food processors of a kind used for domestic purposes, each containing an electric motor with an output wattage not exceeding 450 W, a processing bowl with a capacity no greater than 1.9 liters, a twist-locking lid, a built-in bowl scraper controlled by a rotating handle on the lid, a stainless steel S-blade for chopping and mixing and a reversible disc for slicing and shredding (provided for in subheading 8509.40.00)</i>	1.2%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75189. ELECTRIC FOOD PROCESSORS WITH SNAP-**
 2 **LOCKING LID.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.31.11	<i>Electromechanical food processors of a kind used for domestic purposes, each containing an electric motor with an output wattage not exceeding 500 W, a processing bowl with a capacity greater than 1.9 liters but not exceeding 2.88 liters, a lid-locking mechanism incorporating one or more clips, a stainless steel S-blade for chopping and mixing and a blade for slicing and shredding (provided for in subheading 8509.40.00)</i>	2.6%	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 75190. ELECTRIC JUICE EXTRACTORS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.31.12	<i>Electromechanical juice extractors of a kind used for domestic purposes, each containing an electric motor with an output wattage of 800 W or greater, a chute measuring 7.62 cm in width, a pulp bin and a mesh filtering basket with an integrated cutting blade designed to separate pulp from juice (provided for in subheading 8509.40.00)</i>	3.3%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75191. ELECTRIC DRINK MIXERS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.31.13	<i>Electromechanical drink mixers of a kind used for domestic purposes, each including two-speed settings, a tiltable mixing head, a stainless steel mixing cup with a capacity no greater than 0.83 liters and no more than one spindle (provided for in subheading 8509.40.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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4 **SEC. 75192. SPIRALIZING FOOD PROCESSORS WITH A CA-**
 5 **PACITY EQUAL TO OR GREATER THAN 2.36 LI-**
 6 **TERS BUT NOT EXCEEDING 2.64 LITERS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.31.14	<i>Electromechanical food processors of a kind used for domestic purposes, each containing an electric motor with an output wattage not exceeding 450 W, a capacity equal to or greater than 2.36 liters but not exceeding 2.64 liters, a twist-locking lid, spiral blade, ribbon blade, reversible stainless steel disc and stainless steel S-blade attachments (provided for in subheading 8509.40.00), the foregoing without a locking arm designed to secure the lid or a dough kneading blade</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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9 **SEC. 75193. SPIRALIZING FOOD PROCESSORS WITH A CA-**
 10 **PACITY EQUAL TO OR GREATER THAN 2.83 LI-**
 11 **TERS BUT NOT EXCEEDING 3.07 LITERS.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.31.15	Electromechanical food processors of a kind used for domestic purposes, each containing an electric motor with an output wattage not exceeding 450 W, a capacity equal to or greater than 2.83 liters but not exceeding 3.07 liters, a locking arm designed to secure the lid, a pour spout, spiral blade, ribbon blade, reversible stainless steel disk, S-blade and a dough blade designed for kneading (provided for in subheading 8509.40.00), the foregoing not including an attachment designed for dicing	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75194. DICING FOOD PROCESSORS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.31.16	Electromechanical food processors of a kind used for domestic purposes, each containing an electric motor with an output wattage not exceeding 600 W, a capacity of at least 3.31 liters, a locking arm designed to secure the lid, a pour spout, an attachment designed for dicing, a slicing blade, a shredding disc, a S-blade and a dough blade designed for kneading (provided for in subheading 8509.40.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 75195. COMPACT FOOD PROCESSOR WITH SMOOTHIE**
 5 **FUNCTION.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.31.17	Electromechanical food processors of a kind used for domestic purposes, each containing an electric motor with an output wattage not exceeding 250 W, a capacity not exceeding 0.94 liters and two clamps designed to secure the lid (provided for in subheading 8509.40.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75196. JUICE EXTRACTORS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.31.18	<i>Electromechanical domestic juice extractors, each with a self-contained electric motor with an output wattage not exceeding 1100 W, an 8.89 cm wide chute and a pitcher with a capacity no greater than 1 liter (provided for in subheading 8509.40.00)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 75197. INTEGRATED BABY FOOD MAKING SYSTEMS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.31.19	<i>Integrated baby food making systems, such systems including: (i) an electromechanical nutrient extractor of a kind used for domestic purposes to puree baby food, each with a self-contained electric motor with a maximum output wattage of 200 W and two interchangeable blade assemblies; (ii) an open-topped batch bowl with a capacity of 0.94 liters; (iii) a single-serve, double-handled tip-proof cup with a capacity of 0.29 liters and a twist-off lid; (iv) six single-serve storage cups, each with a capacity of 0.05 liters and twist-off lids with numerical dials; (v) a spatula; and (vi) a freezer tray with a six-cup grid and a lid (provided for in subheading 8509.40.00)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 75198. ELECTRIC JUICE MIXERS AND GRINDERS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.31.20	<i>Electromechanical combination food grinders, juicers and mixers of a kind used for domestic purposes, each consisting of a base with a self-contained electric motor with an output wattage not exceeding 1,400 W, a stainless-steel blade assembly, and three interchangeable stainless-steel square jars with a capacity of 0.5 liters or more and not exceeding 1.5 liters, the foregoing with lids fitted with gaskets and locking tabs (provided for in subheading 8509.40.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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1 SEC. 75199. ULTRASONIC HUMIDIFIERS.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.31.21	<i>Electromechanical ultrasonic humidifiers, each with self-contained electric motor, of a kind used for domestic purposes, with cool and warm mist, with clean transducer ultrasonic membrane light (provided for in subheading 8509.80.50)</i>	<i>3.2%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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4 **SEC. 75200. AUTOMATIC LITTERBOXES, VALUED NO MORE**
 5 **THAN \$100.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.31.22	<i>Litterboxes, each with self-contained electric motor powered by an external adapter that plugs into a wall socket or electrical outlet and may have batteries for back-up, such devices which rake and/or disperse cat waste into a compartment after a certain amount of time has passed once the mechanism is triggered by cat entering the litterbox; the foregoing designed for domestic use, valued no more than \$100 (provided for in subheading 8509.80.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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1 **SEC. 75201. ELECTRIC TOOTHBRUSHES.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.31.23	<i>Battery-operated electric toothbrushes (provided for in subheading 8509.80.50)</i>	3.6%	No change	No change	On or before 12/31/2023 ...	”.
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4 **SEC. 75202. ULTRASONIC COOL/WARM MIST HUMIDIFIERS**
 5 **WITH AROMATHERAPY.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.31.24	<i>Ultrasonic humidifiers with self-contained electric motor, with options for warm or cool mist, four output settings, having a 3.785 liter tank capacity, a drawer for aromatherapy oils, with a rectangular base measuring 23.6 cm by 22.1 cm by 23.9 cm, weighing no more than 5 kg empty and valued \$15 or more but not over \$19 (provided for in subheading 8509.80.50)</i>	0.8%	No change	No change	On or before 12/31/2023 ...	”.
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8 **SEC. 75203. 2-IN-1 CAN OPENER.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.31.25	<i>Hand-held battery-operated automatic can openers, each with self-contained electric motor, such can openers with a weight not exceeding 1.36 kg exclusive of extra interchangeable parts or detachable auxiliary devices (provided for in subheading 8509.80.50)</i>	Free	No change	No change	On or before 12/31/2023 ...	”.
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11 **SEC. 75204. FOOD SPIRALIZING DEVICES.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.31.26	<i>Food spiralizing devices of a kind used for domestic purposes, designed for use on electromechanical food stand mixers, such devices designed for peeling, coring and slicing fruits and vegetables and capable of cutting such food into spiral strands and shapes, the foregoing with four or more interchangeable cutting blades and a peeling blade (provided for in subheading 8509.90.55)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75205. CERAMIC BOWLS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.31.27	<i>Ceramic bowls designed for use on electromechanical stand food mixers, each having a capacity greater than 4.5 liters but not exceeding 4.9 liters, the foregoing each having a base with four protrusions designed to interlock with a stand food mixer base (provided for in subheading 8509.90.55)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 75206. FOOD GRINDERS FOR CERTAIN**
 5 **ELECTROMECHANICAL STAND FOOD MIXERS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.31.28	<i>Food grinding devices designed for use on electromechanical domestic food stand mixers, each having a molded plastic or metal housing with a singular stainless steel blade, and an auger (provided for in subheading 8509.90.55)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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8 **SEC. 75207. PASTA PRESS EXTRUDERS FOR CERTAIN STAND**
 9 **FOOD MIXERS.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.31.29	Pasta-making devices designed for use on electromechanical domestic stand food mixers, each having a molded plastic housing with metal auger and cutting arm, the foregoing having five interchangeable steel discs for forming various pasta shapes (provided for in subheading 8509.90.55)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75208. STAINLESS STEEL BOWLS FOR CERTAIN**
 2 **ELECTROMECHANICAL STAND FOOD MIXERS,**
 3 **WITH CAPACITY GREATER THAN 4.2 LITERS**
 4 **BUT NOT EXCEEDING 4.8 LITERS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.31.30	Stainless steel bowls designed for use on electromechanical stand food mixers, each having a capacity greater than 4.2 liters but not exceeding 4.8 liters (whether or not having a single stainless steel vertically oriented welded handle), the foregoing each having a rolled top edge and welded stainless steel base with four protrusions designed to interlock with a stand food mixer base (provided for in subheading 8509.90.55)	0.7%	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 75209. STAINLESS STEEL BOWLS FOR CERTAIN**
 8 **ELECTROMECHANICAL STAND FOOD MIXERS,**
 9 **WITH CAPACITY GREATER THAN 2.8 LITERS**
 10 **BUT NOT EXCEEDING 3.4 LITERS.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.31.31	Stainless steel bowls designed for use on electromechanical stand food mixers, each having a capacity greater than 2.8 liters but not exceeding 3.4 liters (whether or not having a single stainless steel vertically oriented welded handle), the foregoing each having a rolled top edge and welded stainless steel base with four protrusions designed to interlock with a stand food mixer base (provided for in subheading 8509.90.55)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75210. STAINLESS STEEL BOWLS FOR CERTAIN**
 2 **ELECTROMECHANICAL STAND FOOD MIXERS,**
 3 **WITH CAPACITY GREATER THAN 5.6 LITERS**
 4 **BUT NOT EXCEEDING 8.6 LITERS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.31.32	Stainless steel bowls designed for use on electromechanical stand food mixers, each having a capacity greater than 5.6 liters but not exceeding 8.6 liters (whether or not having a single stainless steel vertically oriented welded handle), the foregoing each having a rolled edge and two welded stainless steel side brackets with circular holes designed to interlock with the arm of the stand mixer (provided for in subheading 8509.90.55)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 75211. PASTA ROLLERS AND CUTTERS FOR STAND**
 8 **FOOD MIXERS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.31.33	Metal pasta rolling and cutting devices designed for use on electromechanical food stand mixers, each not having a molded plastic housing (provided for in subheading 8509.90.55)	1%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75212. GLASS BOWLS FOR CERTAIN**
 2 **ELECTROMECHANICAL STAND FOOD MIXERS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.31.34	Glass bowls designed for use on electromechanical stand food mixers, each having a capacity greater than 4.5 liters but not exceeding 4.9 liters, the foregoing each having a base with four protrusions designed to interlock with a stand food mixer base (provided for in subheading 8509.90.55)	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 75213. BODY TRIMMERS FOR DETAILED HAIR TRIM-**
 6 **MING.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.31.35	Hair clippers, with self-contained electric motor, vertical reciprocating stamped stainless steel blade and aluminum housing (provided for in subheading 8510.20.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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9 **SEC. 75214. HAIR CLIPPER SETS.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.31.36	Hair clipper sets, with self-contained electric motor, comprised of blade guide combs and one or more hair clippers, wherein at least one clipper is corded, has a non-detachable ground steel blade and is used for human hair, all put up in sets for retail sale, valued at \$5 or less (provided for in subheading 8510.20.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75215. RECHARGEABLE TRIMMERS FOR TRIMMING**
 2 **HUMAN HAIR.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.31.37	Hair clipper set, with self-contained electric motor, comprised of blade guide combs, detailers and one or more hair clippers, wherein at least one clipper has a rechargeable lithium-ion battery, a detachable ground steel blade and is used for human hair, all put up in sets for retail sale, valued at \$6 or less (provided for in subheading 8510.20.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 75216. PCB ASSEMBLIES FOR CLIPPERS AND TRIM-**
 6 **MERS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.31.38	Subassemblies consisting of a printed circuit board, power connector, rechargeable lithium ion battery and motor, designed for use with hair clippers of subheading 8510.20.90 or shavers of subheading 8510.10.00 (provided for in subheading 8510.90.40)	Free	No change	No change	On or before 12/31/2023 ...”.
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9 **SEC. 75217. LED BICYCLE WHEEL SPOKE LIGHTS.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.31.39	Bicycle signaling lights, consisting of one light-emitting diode (LED), measuring between 2.54 to 12.192 cm in width and 2.54 to 4.572 cm in height, with mechanism to attach to wheel spokes, each light valued not more than \$4 (provided for in subheading 8512.10.40)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75218. BICYCLE REAR LIGHTS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.31.40	Electrical visual signaling equipment of a kind used as taillights on bicycles (provided for in subheading 8512.10.40)	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 75219. PORTABLE ELECTRIC LAMPS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.31.41	Portable battery powered, handheld LED lantern, other than lighting equipment of heading 8512, having a collapsible plastic body, measuring not greater than 22 cm in height (provided for in subheading 8513.10.40)	Free	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 75220. SPACE HEATERS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.31.42	Fan-forced, portable electric space heaters, each having a power consumption of not more than 1.5 kW and weighing more than 1.5 kg but not more than 17 kg, whether or not incorporating a humidifier or air filter (provided for in subheading 8516.29.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 75221. MICROWAVE OVENS WITH CAPACITY NOT EX-**
 11 **CEEDING 22.5 LITERS.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.31.43	<i>Microwave ovens of a kind used for domestic purposes, each having a capacity not exceeding 22.5 liters (provided for in subheading 8516.50.00)</i>	1.7%	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75222. MICROWAVE OVENS WITH CAPACITY EXCEED-**
 2 **ING 22.5 LITERS BUT NOT EXCEEDING 31 LI-**
 3 **TERS.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.31.44	<i>Microwave ovens of a kind used for domestic purposes, each having a capacity exceeding 22.5 liters but not exceeding 31 liters (provided for in subheading 8516.50.00)</i>	1.7%	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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6 **SEC. 75223. LOW-PROFILE MICROWAVE OVENS WITH ELEC-**
 7 **TRONIC OPENING MECHANISM AND INTE-**
 8 **GRAL RANGE HOOD.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.31.45	<i>Microwave ovens with integral range hoods, of a kind used for domestic purposes, each having a height not exceeding 28 cm and having oven capacity greater than 31 liters but not exceeding 32 liters and containing a glass turntable plate with a diameter greater than 30 cm but not exceeding 31 cm, the foregoing ovens with a width greater than 75 cm but not exceeding 77 cm and having two interior fan motors and an electronic opening mechanism (provided for in subheading 8516.50.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75224. LOW-PROFILE MICROWAVE OVENS WITH PUSH**
 2 **BUTTON OPENING MECHANISM AND INTE-**
 3 **GRAL RANGE HOOD.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.31.46	<i>Microwave ovens with integral range hoods, of a kind used for domestic purposes, each having a height not exceeding 28 cm, each having oven capacity greater than 31 liters but not exceeding 32 liters and containing a glass turntable plate with a diameter greater than 30 cm but not exceeding 31 cm, the foregoing ovens with a width greater than 75 cm but not exceeding 77 cm, and having a single interior fan motor and a push-button opening system (provided for in subheading 8516.50.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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6 **SEC. 75225. LOW-PROFILE MICROWAVE OVENS WITH ELEC-**
 7 **TRONIC OPENING MECHANISM AND WITHOUT**
 8 **A RANGE HOOD.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.31.47	<i>Microwave ovens of a kind used for domestic purposes, each without a range hood, each having oven capacity greater than 31 liters but not exceeding 32 liters, the foregoing containing a glass turntable plate with a diameter greater than 30 cm but not exceeding 31 cm, and an electronic opening mechanism (provided for in subheading 8516.50.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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11 **SEC. 75226. SEARING GRILLS.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.31.48	<i>Electrothermic grills of a kind used for domestic purposes, each with a maximum temperature of 233 °C (provided for in subheading 8516.60.60); the foregoing excluding goods described in 9902.16.56</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 75227. AUTOMATIC DRIP COFFEE MAKERS.

2 *Subchapter II of chapter 99 is amended by inserting*

3 *in numerical sequence the following new heading:*

“	9902.31.49	<i>Electrothermic automatic drip coffee makers of a kind used for domestic purposes, each capable of brewing multiple servings and incorporating a removable water tank with a handle and having a liquid crystal display and control buttons adjacent to the removable water tank, and a brew button in the coffee maker base; the foregoing excluding coffee makers designed for permanent installation into a wall, cabinet or shelf, and excluding coffee makers designed to utilize coffee capsules or pods (provided for in subheading 8516.71.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 SEC. 75228. ESPRESSO MACHINES.

5 *Subchapter II of chapter 99 is amended by inserting*

6 *in numerical sequence the following new heading:*

“	9902.31.50	<i>Electromechanical espresso makers of a kind used for domestic purposes, each with an aluminum trim band, each incorporating a removable water tank with a handle and having a metal or plastic enclosure containing seven indicator lights and four chrome plated control buttons, the foregoing with two temperature sensors to regulate water temperature (provided for in subheading 8516.71.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75229. COFFEE MAKERS WITH DISHWASHER SAFE RE-**
 2 **MOVABLE PARTS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.31.51	Automatic drip electric coffee makers, each with latch-release removable and dishwasher safe water reservoir with a 2.83 liter capacity, brew basket and showerhead, valued not over \$19 (provided for in subheading 8516.71.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 75230. SINGLE-SERVICE COFFEE MAKERS WITH MILK**
 6 **FROTHERS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.31.52	Electrothermic coffee machines of a kind used for domestic purposes, designed to brew single servings using coffee capsules, each having a loading lever containing both stainless steel and plastic and a milk frother with a fold-up power base (provided for in subheading 8516.71.00), the foregoing excluding coffee makers with a removable reservoir	Free	No change	No change	On or before 12/31/2023 ...”.
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9 **SEC. 75231. ELECTRIC COFFEE MAKERS WITH DUAL DIS-**
 10 **PENSERS.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.31.53	Electrothermic coffee machines of a kind used for domestic purposes, each with two dispensers to allow brewing using capsules and ground coffee, with a spent capsule collection bin and a single removable reservoir with a capacity equal to or greater than 1.65 liters (provided for in subheading 8516.71.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75232. ELECTRIC COFFEE MAKERS FOR BREWING CAP-**
 2 **SULES.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.31.54	<i>Electrothermic coffee machines of a kind used for domestic purposes, designed to brew using only coffee capsules, each having a loading lever containing both stainless steel and plastic and a removable reservoir with a capacity no greater than 1.18 liters (provided for in subheading 8516.71.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 75233. AUTOMATIC OR MANUAL POUR OVER COFFEE**
 6 **MAKERS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.31.55	<i>Electrothermic coffee machines of a kind used for domestic purposes, each capable of brewing multiple servings using an automatic drip or manual pour over with a capacity equal to or greater than 1.89 liters, the foregoing including a glass carafe, a cone-shaped brew basket and a permanent filter (provided for in subheading 8516.71.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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9 **SEC. 75234. REMOVABLE RESERVOIR COFFEEMAKERS.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.31.56	<i>Electrothermic automatic drip coffee makers of a kind used for domestic purposes, each capable of brewing multiple servings and incorporating a removable water tank with a handle, the foregoing excluding coffee makers with dome-shaped housing or designed for permanent installation into a wall, cabinet or shelf and excluding coffee makers designed to utilize coffee capsules or pods (provided for in subheading 8516.71.00); the foregoing excluding coffee makers with a brew button in the coffee maker base</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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1 SEC. 75235. SINGLE SERVE COFFEE MAKERS.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.31.57	<i>Electrothermic coffee machines of a kind used for domestic purposes, capable of brewing single servings using coffee capsules or ground coffee, each with not more than one water reservoir with a capacity not exceeding 0.41 liters, the foregoing including a coffee ground filter basket (provided for in subheading 8516.71.00)</i>	<i>3%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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4 **SEC. 75236. 2-WAY COFFEE MAKERS WITH A 12-CUP CARAFE**
 5 **AND A POD BREWER.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.31.58	<i>Electrothermic coffee machines of a kind used for domestic purposes, each with dual dispensers to allow brewing single serving or multiple servings using capsules and ground coffee, a glass carafe with a capacity not exceeding 2.83 liters, and two separate non-removable water reservoirs, the foregoing without a spent capsule collection bin (provided for in subheading 8516.71.00)</i>	<i>3.2%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i> ”.
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1 **SEC. 75237. RAPID COLD BREW AND HOT COFFEE MAKERS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.31.59	<i>Electrothermic coffee machines of a kind used for domestic purposes, designed to brew both cold or hot coffee using coffee grounds with a rotating knob to select between settings (provided for in subheading 8516.71.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 75238. ELECTRIC KETTLES.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.31.60	<i>Electrothermic kettles of a kind used for domestic purposes, each with a stainless-steel construction, 1.7-liter capacity, pop-up lid, removable mesh filters, and a handle having a translucent capacity indicator, the foregoing having a base with digital Liquid Crystal Display (LCD) paneled controls, including variable temperature settings (provided for in subheading 8516.71.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 75239. ELECTRIC TOASTERS WITH EVEN-TOAST FEAT-**
 8 **TURE.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.31.61	<i>Electrothermic toasters of a kind used for domestic purposes, each toaster measuring 28.19 cm in length, 17.3 cm in width and 20.32 cm in height and incorporating two single-slice toaster slots measuring 13.7 cm in length at the top of the toaster, with a slide-out crumb tray, the foregoing with a function designed to turn off the center heating element after a certain toasting time has elapsed (provided for in subheading 8516.72.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75240. ELECTRIC TOASTERS WITH 6.5 INCH SLOTS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.31.62	<i>Electrothermic toasters of a kind used for domestic purposes, each incorporating two single-slice toaster slots measuring 16.51 cm in length at the top of the oven, the foregoing with a function designed to turn off the center heating element after a certain toasting time has elapsed (provided for in subheading 8516.72.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 75241. ELECTRIC TOASTERS WITH 37 MM WIDE SLOTS,**
 5 **WITH AN UNDER-BASE CORD WRAP.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.31.63	<i>Electrothermic toasters of a kind used for domestic purposes, each incorporating two single-slice toaster slots measuring 37 mm in width at the top of the oven, with a slide-out crumb tray, under-base cord wrap, toast shade selector and a programmable setting to hold the toast in the slot for three minutes after toasting (provided for in subheading 8516.72.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 75242. 2- AND 4- SLOT TOASTERS, NOT HAVING A BUT-**
 9 **TON TO KEEP TOASTER CONTENTS WARM**
 10 **AFTER TOASTING.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.31.64	<i>Electrothermic toasters, of a kind used for domestic purposes, with two or four toaster slots, each toaster slot with a width exceeding 3.8 cm but not exceeding 4 cm, the foregoing toasters each having one or two plastic buttons used to eject toaster contents and one or two plastic buttons used to lower power to heating elements for desired toasting; each toaster not having a button to keep toaster contents warm after toasting or a button to defrost, the foregoing toasters having one or two plastic knobs, each knob with no more than five options for selecting different degrees of shading, and a manual lift lever (provided for in sub-heading 8516.72.00)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75243. 2-SLOT TOASTERS, WITH A BUTTON TO KEEP**
 2 **TOASTER CONTENT WARM AFTER TOASTING.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.31.65	<i>Electrothermic toasters, of a kind used for domestic purposes, each with two toaster slots, each toaster slot with a width exceeding 3.8 cm but not exceeding 4 cm, the foregoing toasters each having singular plastic buttons used to defrost, eject toaster contents, lower power to heating elements for desired toasting, and to keep toaster contents warm at the end of a completed toasting cycle, and each toaster having one plastic knob to select up to six varying degrees of shading, and a manual lift lever (provided for in sub-heading 8516.72.00)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 75244. ELECTRIC TOASTERS WITH DOUBLE-SLICE**
 6 **SLOTS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.31.66	<i>Electrothermic toasters of a kind used for domestic purposes, each incorporating two 37 mm wide double-slice toaster slots at the top of the oven, with a slide-out crumb tray, under-base cord wrap, toast shade selector, and a programmable setting to hold the toast in the slot for three minutes after toasting (provided for in subheading 8516.72.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75245. ELECTRIC TOASTERS WITH 37 MM WIDE SLOTS,**
 2 **WITH A RETRACTABLE CORD.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.31.67	<i>Electrothermic toasters of a kind used for domestic purposes, each incorporating two single-slice toaster slots measuring 37 mm in width at the top of the oven, with a slide-out crumb tray, retractable cord, toast shade selector and a manually activated setting to hold the toast in the slot after toasting (provided for in subheading 8516.72.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 75246. ELECTRIC PRESSURE COOKERS RATED MORE**
 6 **THAN 800 W BUT NOT MORE THAN 1,000 W,**
 7 **WITH A CAPACITY OF NOT LESS THAN 5 LI-**
 8 **TERS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.31.68	<i>Electrothermic pressure cookers of a kind used for domestic purposes, with a capacity of not less than 5 liters and rated from 800 W to 1,000 W (provided for in subheading 8516.79.00); the foregoing excluding pressure cookers with a lift-out steaming rack designed for roasting/steaming, extra lid gasket, measuring cup and paddle and variable temperature settings</i>	<i>0.1%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75247. ELECTRIC PRESSURE COOKERS RATED MORE**
 2 **THAN 1,200 W BUT NOT MORE THAN 1,400 W,**
 3 **WITH A CAPACITY OF LESS THAN 5 LITERS.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.31.69	<i>Electrothermic pressure cookers of a kind used for domestic purposes, with a capacity of less than 5 liters and rated more than 1,200 W but not more than 1,400 W (provided for in subheading 8516.79.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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6 **SEC. 75248. ELECTRIC PRESSURE COOKERS RATED MORE**
 7 **THAN 1,000 W BUT NOT MORE THAN 1,200 W,**
 8 **WITH A CAPACITY OF LESS THAN 5 LITERS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.31.70	<i>Electrothermic pressure cookers of a kind used for domestic purposes, with a capacity of less than 5 liters, rated more than 1,000 W but not more than 1,200 W (provided for in subheading 8516.79.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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11 **SEC. 75249. CONTOURED HEATING PADS.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.31.71	<i>Electric heating pads with contoured shape measuring 38.1 cm in height and 60.96 cm in width, with removable waist strap that adjusts up to 2.16 m in circumference, with cut pile knit outer surface and four heat settings, valued not over \$12, such heating pads not worn on or about the person (provided for in subheading 8516.79.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75250. SLOW COOKERS WITH NON-STICK CERAMIC**
 2 **COATED STONEWARE.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.31.72	<i>Slow cookers with capacity from 5.678 liters to 6.624 liters, each having a stoneware insert with a ceramic-based nonstick coating, a locking gasket glass lid, digital control with three temperature settings and cooking timer, the foregoing valued over \$15 but not over \$22 (provided for in subheading 8516.79.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 75251. HEATING PADS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.31.73	<i>Electrothermic heating pads of nonwoven polyester with stamp welding, having a power consumption of not more than 50 W and weighing 0.635 kg, measuring 50.8 cm by 60.96 cm; the foregoing with a removable knit 100 percent polyester fleece cover, valued between \$15 and \$109 (provided for in subheading 8516.79.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 75252. PROGRAMMABLE SLOW COOKERS WITH DIGITAL**
 9 **DISPLAY.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.31.74	<i>Electrothermic slow cookers of a kind used for domestic purposes, each with a litho-wrapped steel exterior and the following features: (i) a locking glass lid, (ii) a removable oval stoneware cooking pot with a capacity not exceeding 5.68 liters, and (iii) a single digital display with a knob used to control time and temperature settings, the foregoing without a thermometer probe (provided for in subheading 8516.79.00)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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1 SEC. 75253. 8-QUART ELECTRIC SLOW COOKERS.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.31.75	<i>Electrothermic slow cookers of a kind used for domestic purposes, each with a litho-wrapped steel exterior and the following features: (i) a non-locking glass lid, (ii) a removable oval stoneware cooking pot, (iii) a volume capacity of 7.57 liters or greater, and (iv) three heat settings (keep warm, low, and high), the foregoing without a digital display or thermometer probe (provided for in subheading 8516.79.00)</i>	0.1%	No change	No change	On or before 12/31/2023 ...”.
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4 SEC. 75254. PROGRAMMABLE SLOW COOKERS.

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.31.76	<i>Electrothermic slow cookers of a kind used for domestic purposes, each with a litho-wrapped exterior and the following features: (i) non-locking glass lid, (ii) a digital control panel, and (iii) a feature designed to automatically reduce temperature at the end of the cooking cycle, the foregoing without a timer display or thermometer probe (provided for in subheading 8516.79.00)</i>	0.7%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75255. ELECTRIC SLOW COOKERS WITH LOCKING LID.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.31.77	<i>Electrothermic slow cookers of a kind used for domestic purposes, each with a litho-wrapped exterior and the following features: (i) a capacity not exceeding 4.73 liters, (ii) a glass lid, (iii) a removable oval stoneware cooking pot, and (iv) a locking lid (provided for in subheading 8516.79.00); the foregoing without a knob used to control time and temperature settings</i>	0.8%	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 75256. DOUBLE FLIP WAFFLE MAKERS WITH REMOV-**
 5 **ABLE GRIDS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.31.78	<i>Electrothermic rotating waffle makers of a kind used for domestic purposes, each with two sets of double-sided round cooking plates, non-stick removable grids, a drip tray, and a locking handle (provided for in subheading 8516.79.00)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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8 **SEC. 75257. ICE CREAM WAFFLE CONE AND BOWL MAKERS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.31.79	<i>Electrothermic ice cream waffle cone and bowl makers of a kind used for domestic purposes, each with two round non-stick cooking plates (provided for in subheading 8516.79.00), the foregoing including a plastic cone roller and a bowl mold</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75258. ELECTRIC BREAKFAST SANDWICH MAKERS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.31.80	<i>Electrothermic sandwich cookers of a kind used for domestic purposes, each designed to be used with round bread and incorporating a cooking plate for eggs (provided for in subheading 8516.79.00); the foregoing excluding goods described in heading 9902.16.57</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 75259. PRESSURE COOKERS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.31.81	<i>Electrothermic pressure cookers of a kind used for domestic purposes, with a stainless-steel construction with a capacity of not less than 5.67 liters and an output wattage not exceeding 1,000 W, a lift-out steaming rack designed for roasting/steaming, extra lid gasket and a measuring cup and paddle, the foregoing with variable temperature settings (provided for in subheading 8516.79.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 75260. 10-QUART PROGRAMMABLE SLOW COOKERS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.31.82	<i>Electrothermic slow cookers of a kind used for domestic purposes with a capacity greater than 7.57 liters but not exceeding 9.46 liters, each with a full-color litho-wrapped exterior, glass lid, removable round aluminum cooking pot, and a digital control display, the foregoing without a thermometer probe (provided for in subheading 8516.79.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75261. POLISHED STAINLESS STEEL 1.5-QUART TEA**
 2 **KETTLES.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.31.83	Tea kettles of stainless steel, polished, each with a capacity of 1.41 liters (provided for in subheading 8516.79.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 75262. EGG BITE MAKERS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.31.84	Electrothermic bite-sized egg makers, of a kind used for domestic purposes, each incorporating two circular cooking plates and a removable cover (provided for in subheading 8516.79.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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8 **SEC. 75263. VACUUM STEEL INSULATED COFFEE CARAFES,**
 9 **OF A KIND USED WITH DEEP ULTRAVIOLET**
 10 **LITHOGRAPHY MACHINES.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.31.85	Vacuum insulated coffee carafes used with commercial coffee machines, with interior and exterior of stainless steel, each with a capacity over 1 liter but not over 2 liters and plastic brew-through lid for direct brewing commercial coffee machines provided for in subheading 8419.81 (provided for in subheading 8516.90.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75264. VACUUM STEEL INSULATED CARAFES FOR**
 2 **HOUSEHOLD COFFEE MACHINES, OF A KIND**
 3 **USED WITH DEEP ULTRAVIOLET LITHOG-**
 4 **RAPHY MACHINES.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.31.86	Vacuum insulated carafes for coffee makers of a kind used for domestic purposes, with interior and exterior of stainless steel, each with a capacity over 1 liter but not over 2 liters with brew through top for direct brewing (provided for in subheading 8516.90.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 75265. VACUUM STEEL BODIES WITH INNER AND**
 8 **OUTER STEEL LAYERS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.31.87	Vacuum vessel bodies, each with exterior layer of steel and vacuum liner of steel, with a capacity over 2 liters and a bottom port and top opening, the foregoing presented without top cover and bottom base (provided for in subheading 8516.90.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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11 **SEC. 75266. LAMP-HOLDER HOUSINGS OF PLASTIC.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.31.88	Lamp-holder housings of plastics, containing sockets for screw-in Edison base (provided for in subheading 8536.61.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75267. 660 W, 125 V, LAMP-HOLDER WITH TWO 15 AMP**
 2 **OUTLETS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.31.89	Lamp-holders, rated for 660 W and 125 V, each with two 15 amp outlets (provided for in subheading 8536.61.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 75268. COMBINATION DUPLEX RECEPTACLE/OUTLET**
 6 **AND USB CHARGER, 15–20 AMP, 125 V.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.31.90	Dual-use electrical wall outlets incorporating one or more built-in Universal Serial Bus (USB) chargers, rated at 15–20 amp and 125 V (provided for in subheading 8536.69.80)	Free	No change	No change	On or before 12/31/2023 ...”.
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9 **SEC. 75269. RANGE AND DRYER RECEPTACLES.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.31.91	Electrical receptacles consisting of straight blade outlets for mounting in walls, made of thermoplastic and steel, measuring not more than 3.4 cm in depth, 10.7 cm in height and 6.4 cm in width (provided for in subheading 8536.69.80)	Free	No change	No change	On or before 12/31/2023 ...”.
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12 **SEC. 75270. RESIDENTIAL GRADE RECEPTACLES.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.31.92	<i>Electrical receptacles of thermoplastic and steel, consisting of two outlets for mounting in walls, each weighing not more than 58.1 g, and measuring not more than 2.5 cm in depth, 10.7 cm in height and 3.4 cm in width (provided for in subheading 8536.69.80)</i>	1.4%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75271. RESIDENTIAL AND COMMERCIAL USB RECEPTACLES.**
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3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.31.93	<i>Dual-use electrical wall outlets incorporating one or more built-in Universal Serial Bus (USB) chargers, made of a polycarbonate shell with steel framing and screws and internal circuit boards, weighing not more than 136.1 grams, and not exceeding 10.7 cm in height, 4.4 cm in width, and 4.3 cm in depth (provided for in subheading 8536.69.80)</i>	1.5%	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 75272. POWER STRIPS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.31.94	<i>6-outlet power strips of type B sockets of 125 V, with 14 gauge cord measuring 76.2 to 91.44 cm in length, the foregoing without surge protection (provided for in subheading 8537.10.91)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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8 **SEC. 75273. SURGE PROTECTORS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.31.95	6-outlet power strips of type B sockets of 125 V, with 14 gauge cord measuring 60.96 to 91.44 cm in length, with 400–10,180 joule rating for surge protection (provided for in subheading 8537.10.91)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75274. PROGRAMMABLE CONTROLLERS FOR ARCHI-**
 2 **TECTURAL LIGHTING.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.31.96	Programmable controllers for architectural lighting effects and displays, with ethernet, digital visual interface (DVI) and DB9 ports, each in an aluminum enclosure without keyboard, capable of controlling greater than 3,000 control channels of lighting and of pixel mapping light-emitting diode (LED) arrays (provided for in subheading 8537.10.91)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 75275. ELECTRONIC MODULAR CONTROL PANELS FOR**
 6 **GENERATORS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.31.97	Programmable electronic modular control panels, designed for monitoring and controlling generators and generating sets of heading 8501 and 8502, operating at a voltage not exceeding 1,000 V, and equipped with electrical control apparatus of heading 8535 or 8536, such as circuit breakers, auxiliary contactors, and relays, which provide a front panel user interface, such as control switches and/or a touch screen, for the electrical control and monitoring of the generator or generating set (provided for in subheading 8537.10.91)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75276. POWER DISTRIBUTION MODULES AND PRO-**
 2 **GRAMMABLE CONTROLLERS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.31.98	Power distribution modules and programmable controllers, for a voltage not exceeding 1,000 V (provided for in subheading 8537.10.91), the foregoing of a kind used with machines and apparatus for the manufacture or inspection of semiconductor devices of subheading 8486.20.00	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 75277. GLASS CAPACITIVE TOUCHSCREEN ASSEMBLIES**
 6 **WITH LCD.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.31.99	Capacitive touchscreens bonded to liquid crystal display (LCD), equipped with two or more apparatus of heading 8536, for electric control or the distribution of electricity, consisting of two glass layers bonded by silicon adhesive with attached flexible printed circuit with surface mount technology components, each touchscreen with diagonal measuring between 10 cm and 41 cm (provided for in subheading 8537.10.91)	Free	No change	No change	On or before 12/31/2023 ... ”.
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9 **SEC. 75278. LAMPS CONTAINING DEUTERIUM GAS WITHOUT**
 10 **RADIO-FREQUENCY IDENTIFICATION (RFID).**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.32.01	Ultraviolet lamps filled with deuterium gas, each without radio-frequency identification device and valued over \$200 (provided for in subheading 8539.49.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75279. LAMPS CONTAINING DEUTERIUM GAS WITH**
 2 **RADIO-FREQUENCY IDENTIFICATION (RFID).**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.32.02	Ultraviolet lamps filled with deuterium gas, each with radio-frequency identification device and valued over \$200 (provided for in subheading 8539.49.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 75280. FIBER CHANNEL COAXIAL CABLES OF SILVER-**
 6 **PLATED COPPER CONDUCTORS AND EX-**
 7 **PANDED EPTFE DIELECTRICS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.32.03	Fiber channel coaxial cables of silver-plated copper conductors and expanded polytetrafluoroethylene (ePTFE) dielectrics, jacketed with fluoropolymers; such bulk cables having an operating temperature ranging from minus 55 °C to 200 °C (provided for in subheading 8544.20.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 75281. INSULATED COAXIAL CABLES, OF A KIND USED**
 11 **WITH DEEP ULTRAVIOLET LITHOGRAPHY MA-**
 12 **CHINES.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.32.04	<i>Insulated coaxial cables, each with a polyvinyl chloride outer coating, an outside diameter of 4 mm or more but not over 10 mm, a length of 180 cm or more but not over 270 cm (provided for in subheading 8544.20.00), the foregoing of a kind used with medical ultrasonic scanning apparatus of subheading 9018.12.00</i>	1%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75282. COAXIAL CABLES INSULATED WITH EPTFE,**
 2 **VAPOR SEALED, OF A KIND USED WITH DEEP**
 3 **ULTRAVIOLET LITHOGRAPHY MACHINES.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.32.05	<i>Coaxial cables insulated with expanded polytetrafluoroethylene (ePTFE), vapor sealed meeting the requirements of MIL-STD-202, method 122e, as certified by the importer (provided for in subheading 8544.20.00)</i>	0.6%	No change	No change	On or before 12/31/2023 ...”.
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6 **SEC. 75283. COAXIAL CABLES INSULATED WITH EPTFE,**
 7 **NON-VAPOR SEALED, OF A KIND USED WITH**
 8 **DEEP ULTRAVIOLET LITHOGRAPHY MA-**
 9 **CHINES.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.32.06	<i>Coaxial cables insulated with expanded polytetrafluoroethylene (ePTFE), non-vapor sealed (provided for in subheading 8544.20.00)</i>	3%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75284. LOW SPEED AUTOMOTIVE ETHERNET USB HAR-**
 2 **NESSES.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.32.07	<i>USB 2.0 cable assemblies for automotive infotainment applications, 30 V AC (RMS)/30 V DC, rated current of 1 amp max/circuit, each with USB 4- or 5-wire cable, with or without drain wire, with USCAR-30 5-circuit plug, inline, or 4-circuit STD A receptacle connectors, solder terminated at both ends, for use as low speed Ethernet components such as in-vehicle databus, display, sensors and cameras (provided for in subheading 8544.30.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 75285. HIGH SPEED AUTOLINK CABLE USB HAR-**
 6 **NESSES.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.32.08	<i>USB 2.0 cable assemblies for automotive infotainment applications, 30 V AC (RMS)/30 V DC, rated current of 1 amp max/circuit, each with USB 4-wire cable, with drain wire, USCAR-30 5-circuit plug or inline, 4-circuit illuminated STD A receptacle connectors, solder terminated at both ends, where the illumination is up to 1.0 FL, fixed or dimmable, for use as low speed Ethernet components such as in-vehicle databus, display, sensors and cameras (provided for in subheading 8544.30.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75286. INSULATED ELECTRIC CONDUCTORS, OF A KIND**
 2 **USED WITH EXTREME ULTRAVIOLET LITHOG-**
 3 **RAPHY MACHINES.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.32.09	<i>Electrical cables and cable bundles for a voltage not exceeding 1,000 V, fitted with connectors (provided for in subheading 8544.42.90), the foregoing of a kind used with Extreme Ultraviolet (EUV) Lithography machines and apparatus for the manufacture of semiconductor devices of subheading 8486.20.00</i>	0.9%	No change	No change	On or before 12/31/2023 ...”.
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6 **SEC. 75287. INSULATED ELECTRIC CONDUCTORS, OF A KIND**
 7 **USED WITH DEEP ULTRAVIOLET LITHOG-**
 8 **RAPHY MACHINES.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.32.10	<i>Electrical cables and cable bundles for a voltage not exceeding 1,000 V, fitted with connectors (provided for in subheading 8544.42.90), the foregoing of a kind used with Deep Ultraviolet (DUV) Lithography machines and apparatus for the manufacture of semiconductor devices of subheading 8486.20.00</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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11 **SEC. 75288. INSULATED ELECTRIC CONDUCTORS, OF A KIND**
 12 **USED WITH OPTICAL INSTRUMENTS.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.32.11	<i>Electrical cables and cable bundles for a voltage not exceeding 1,000 V, fitted with connectors (provided for in subheading 8544.42.90), the foregoing of a kind used with optical instruments and appliances for inspecting semiconductor wafers of 9031.41.00</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75289. RINGS, BLOCKS, AND OTHER INSULATING FIT-**
 2 **TINGS OF QUARTZ.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.32.12	<i>Rings, blocks, and other insulating fittings of quartz (provided for in subheading 8547.90.00), the foregoing of a kind used with machines and apparatus for the manufacture or inspection of semiconductor devices of subheading 8486.20.00</i>	<i>3.3%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 75290. FRONT TIRE SPLASH GUARDS FOR VEHICLES.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.32.13	<i>Front tire splash guards of thermoplastic polyolefin, composed of 85 to 87 percent ethylene propylene and 9 to 11 percent talc (provided for in subheading 8708.29.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 75291. REAR TIRE SPLASH GUARDS FOR VEHICLES.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.32.14	<i>Rear tire splash guards of thermoplastic polyolefin, composed of 85 to 87 percent ethylene propylene and 9 to 11 percent talc (provided for in subheading 8708.29.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75292. AUTOMATIC GEAR BOXES.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.32.15	Automatic gear boxes used for vehicles of headings 8701 and 8704, other than goods described in heading 9902.17.01, each with 14 speeds and torque ratings of 280 kg/m (provided for in subheading 8708.40.11)	1.5%	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 75293. SUSPENSION SYSTEMS (STRUTS) FOR OFF-**
 5 **HIGHWAY TRUCKS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.32.16	Struts used in suspension systems for vehicles of headings 8704 (provided for in subheading 8708.80.16)	1.2%	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 75294. SUSPENSION SYSTEM STABILIZER BARS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.32.17	Suspension system stabilizer bars of alloy steel, weighing between 35 and 44 kg, designed for use in Class 7 and Class 8 heavy duty trucks only (provided for in subheading 8708.80.65)	Free	No change	No change	On or before 12/31/2023 ... ”.
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11 **SEC. 75295. TIE ROD ASSEMBLIES.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.32.18	Tie rod assemblies of steering columns and steering boxes; parts thereof (provided for in subheading 8708.94.75)	0.4%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75296. USED AXLE HOUSINGS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.32.19	<i>Used axle housings (spindles) for vehicles of heading 8704 (provided for in subheading 8708.99.68)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 75297. USED PARTS FOR POWER TRAINS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.32.20	<i>Used final drive and wheel assemblies for power trains, such final drive and wheel assemblies consisting of planetary gear reduction final drives and wheel assemblies, brake discs or rotors and a wheel hub for vehicles of heading 8704 (provided for in subheading 8708.99.68)</i>	<i>2%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 75298. FRONT WINDSHIELD COVERS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.32.21	<i>Front windshield cover constructed of 100 percent water resistant polyester, having an elastic attachment system, side view mirror covers, wiper protector cover and a dry storage pouch when not in use (provided for in subheading 8708.99.81)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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10 **SEC. 75299. EXPANSION CHAMBERS.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.32.22	<i>Expansion chambers, each consisting of a blow molded tube shaped HDPE plastic body, measuring approximately 59.89 cm in width, 73.17 cm in length and 26.46 cm in height, designed for permanent welding to a gasoline or diesel fuel tank body (provided for in subheading 8708.99.81)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75300. BICYCLE RACKS FOR CAR ROOFS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.32.23	<i>Roof mounted bicycle rack trays for motor vehicles, such trays designed to transport bicycles (provided for in subheading 8708.99.81)</i>	<i>2.4%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 75301. HIGH PRESSURE FUEL INJECTOR RAILS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.32.24	<i>High pressure fuel injector rails made of steel alloy used to transport fuel from a pump to fuel injectors on a diesel engine principally used in articles under heading 8702 or 8704 (provided for in subheading 8708.99.81)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 75302. STAND-UP BICYCLES, HAVING BOTH WHEELS**
 8 **EXCEEDING 63.5 CM IN DIAMETER.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.32.25	<i>Stand-up bicycles each with no seat, no seat tube, and no seat stay, designed to be pedaled by a user in a standing position only, such bicycles having both wheels exceeding 63.5 cm in diameter (provided for in subheading 8712.00.35)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75303. ELLIPTICAL CYCLES, WITH WHEELS NOT EX-**
 2 **CEEDING 63.5 CM IN DIAMETER.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.32.26	Cycles, each either with two wheels or with three wheels and having all wheels exceeding 63.5 cm in diameter; all the foregoing propelled by laterally mounted pedals designed to be pushed in an alternative elliptical step motion (provided for in subheading 8712.00.50)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 75304. BICYCLE FRAMES, OTHER THAN OF STEEL, VAL-**
 6 **UED \$600 OR LESS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.32.27	Bicycle frames, other than of steel, valued not over \$600 each (provided for in subheading 8714.91.30)	2.8%	No change	No change	On or before 12/31/2023 ...”.
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9 **SEC. 75305. INTERNAL GEAR BICYCLE HUBS, OTHER THAN**
 10 **TWO OR THREE SPEEDS.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.32.28	Variable speed internal gear hubs for bicycles, other than two or three speed hubs (provided for in subheading 8714.93.28)	Free	No change	No change	On or before 12/31/2023 ...”.
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13 **SEC. 75306. BICYCLE PEDALS OTHER THAN CLIPLESS PED-**
 14 **ALS.**

15 *Subchapter II of chapter 99 is amended by inserting*
 16 *in numerical sequence the following new heading:*

“	9902.32.29	<i>Flat pedals and parts thereof (provided for in subheading 8714.96.10); the foregoing excluding clipless bicycle pedals and parts thereof</i>	5.7%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75307. CLIPLESS BICYCLE PEDALS AND PARTS THERE-**
 2 **OF.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.32.30	<i>Clipless bicycle pedals and parts thereof (provided for in subheading 8714.96.10)</i>	3.8%	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 75308. CARBON FIBER BICYCLE SEATPOSTS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.32.31	<i>Seat posts of carbon fiber, such seat posts designed for use on bicycles (provided for in subheading 8714.99.80)</i>	1%	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 75309. BICYCLE HANDLEBAR TAPE, OTHER THAN SIL-**
 9 **ICON OR LEATHER TAPE.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.32.32	<i>Handlebar tape, other than of silicon or of leather, such tape designed for use on bicycles (provided for in subheading 8714.99.80)</i>	4.2%	No change	No change	On or before 12/31/2023 ... ”.
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12 **SEC. 75310. TRAILER CYCLES.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.32.33	<i>Trailer cycles with a steel or aluminum frame, a single wheel measuring approximately 50-52 cm, a seat, a crankset, pedals and a handlebar designed for child riders (provided for in subheading 8714.99.80)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75311. DROPPER SEATPOSTS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.32.34	<i>Bicycle seatposts of aluminum with an internal mechanism to adjust saddle height while riding using a remote lever control (provided for in subheading 8714.99.80)</i>	<i>5%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 75312. BICYCLE FENDERS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.32.35	<i>Bicycle fenders other than of steel (provided for in subheading 8714.99.80)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 75313. BICYCLE HANDLEBARS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.32.36	<i>Bicycle handlebars, other than steel bicycle handlebars with a stem clamp diameter of 25.4 millimeters or less (provided for in subheading 8714.99.80)</i>	<i>5.6%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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10 **SEC. 75314. MULTI-FUNCTIONAL STEEL CARTS.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.32.37	<i>Multi-functional carts of steel, not mechanically propelled, each with a capacity less than 0.125 cubic meters, such carts designed to function as a combined dolly, wheelbarrow and work cart (provided for in sub-heading 8716.80.50)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75315. NON-MECHANICALLY PROPELLED INDUSTRIAL**
 2 **HAND TRUCK.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.32.38	<i>Four wheeled non-motorized carts constructed primarily of base metal, such carts designed to move lithography equipment modules, apparatus and parts thereof (provided for in sub-heading 8716.80.50)</i>	<i>0.3%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 75316. MOVING DOLLIES.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.32.39	<i>Moving dollies, of hardwood, not mechanically propelled, measuring greater than 45.72 cm but not exceeding 76.2 cm in length, and greater than 30.48 cm but not exceeding 45.72 cm in width; each mounted on casters with a diameter not exceeding 8 cm, such dollies valued not over \$9 each (provided for in sub-heading 8716.80.50)</i>	<i>3.1%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 75317. PARAGLIDERS, PARAGLIDER WINGS AND**
 9 **PARAGLIDER HARNESESSES.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.32.40	Paragliders, paraglider wings, and paraglider harnesses (provided for in heading 8804.00.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75318. SAILING CATAMARANS AND POWER CATA-**
 2 **MARANS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.32.41	Sailboats, for pleasure or sports, with an auxiliary motor, exceeding 9.2 m in length (provided for in subheading 8903.91.00)	1.2%	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 75319. PROJECTION LENSES.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.32.42	Projection lenses, each with focal length of 5.2 mm or more but not over 165.0 mm, throw ratio of 0.28:1 or more but not over 12:1 and focus range optical 0.45 m or more but not over 40 m, the foregoing not exceeding 15 kg in weight (provided for in subheading 9002.11.40)	Free	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 75320. MOUNTED OPTICAL LENSES.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.32.43	Mounted optical lenses of molded plastic or optically worked glass, measuring between 15 mm and 25 mm in height and between 10 mm and 14 mm in diameter, such lenses mounted in a barrel of brass, aluminum or similar metal (provided for in subheading 9002.11.90)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75321. OBJECTIVE LENSES FOR BROADCAST CAMERAS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.32.44	<i>Objective lenses with a B4 mount, such lenses for cameras with 11 mm diagonal sensors (provided for in subheading 9002.11.90)</i>	1.1%	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 75322. OBJECTIVE LENSES FOR CINEMA CAMERAS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.32.45	<i>Objective lenses with a positive lock mount for cameras with diagonal sensors of more than 28 mm but less than 46 mm (provided for in subheading 9002.11.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 75323. MAGNIFYING SPECTACLES.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.32.46	<i>Magnifying spectacles consisting of spectacle frames with convex lenses worn to enlarge images (provided for in subheading 9004.90.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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10 **SEC. 75324. LCD TELEVISION PANEL ASSEMBLIES, WITH A**
 11 **VIDEO DISPLAY MEASURING OVER 175.26 CM.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.32.47	<i>Liquid crystal display (LCD) television panel assemblies, each with a video display diagonal measuring over 175.26 cm (provided for in subheading 9013.80.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75325. LCD TELEVISION PANEL ASSEMBLIES, WITH A**
 2 **VIDEO DISPLAY MEASURING OVER 149.86 CM**
 3 **BUT NOT OVER 175.26 CM.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.32.48	Liquid crystal display (LCD) television panel assemblies, each with a video display diagonal measuring over 149.86 cm but not over 175.26 cm (provided for in subheading 9013.80.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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6 **SEC. 75326. LCD TELEVISION PANEL ASSEMBLIES, WITH A**
 7 **VIDEO DISPLAY MEASURING OVER 139.7 CM**
 8 **BUT NOT OVER 149.86 CM.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.32.49	Liquid crystal display (LCD) television panel assemblies, each with a video display diagonal measuring over 139.7 cm but not over 149.86 cm (provided for in subheading 9013.80.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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11 **SEC. 75327. LCD TELEVISION PANEL ASSEMBLIES, WITH A**
 12 **VIDEO DISPLAY MEASURING OVER 137.16 CM**
 13 **BUT NOT OVER 139.7 CM.**

14 *Subchapter II of chapter 99 is amended by inserting*
 15 *in numerical sequence the following new heading:*

“	9902.32.50	Liquid crystal display (LCD) television panel assemblies, each with a video display diagonal measuring over 137.16 cm but not over 139.7 cm (provided for in subheading 9013.80.90)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75328. HOUSINGS DESIGNED FOR INFRARED LENSES.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.32.51	<i>Lens housings of aluminum alloy, with or without anodization, designed for infrared lenses with diameters not less than 10 mm and not more than 100 mm (provided for in subheading 9013.90.80)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 75329. ELECTRONIC TEMPERATURE INDICATORS,**
 5 **WEIGHING 14.2 G.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.32.52	<i>Electrical data monitors, of a kind used to measure ambient temperature, each designed for single use, with customizable alarm settings, liquid crystal display (LCD) screen, enclosed in plastic housing measuring 4.1 cm by 4.9 cm by 0.8 cm, weighing 14.2 g (provided for in subheading 9025.80.10)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 75330. ELECTRONIC TEMPERATURE INDICATORS,**
 9 **WEIGHING 64.4 G.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.32.53	<i>Electrical data monitors, of a kind used for measuring ambient temperatures and designed for single use, each with a programmable alarm and liquid crystal display (LCD) screen, enclosed in a plastic housing, measuring 98.9 mm in length, 58 mm in width, 17.7 mm in height and weighing 64.4 g (provided for in subheading 9025.80.10)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75331. ELECTRONIC TEMPERATURE INDICATORS,**
 2 **WEIGHING 430 G.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.32.54	<i>Electrical data monitors, each with sensors to measure temperature, light, motion, and jamming detection, and capable of transmitting such data using cellular 3G networks, each with a liquid crystal display (LCD), encased in a plastic housing, measuring 132.05 mm in height, 148.07 mm in width, 25.2 mm in diameter, containing a 10.4 Ahr lithium ion battery, and weighing 430 g (provided for in subheading 9025.80.10)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 75332. GLOBAL CARGO TRACKERS, WEIGHING 660 G.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.32.55	<i>Electrical data monitors, each with sensors to monitor location, temperature, light, motion and jamming detection, capable of transmitting such data using cellular 3G networks, with a liquid crystal display (LCD) encased in a plastic housing, measuring 170.05 mm in height, 148.01 mm in width, 26.72 mm in diameter, containing a 20.8 Ahr lithium ion battery, and weighing 660 g (provided for in subheading 9025.80.10)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 75333. TEMPERATURE DATA MONITORS, WEIGHING 115**
 9 **G.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.32.56	<i>Electrical data monitors, each with sensors to measure temperature, light and location and each capable of transmitting such data using cellular 2G networks, of a kind used in the transportation of goods, enclosed in a plastic housing measuring 101 mm by 65 mm by 29 mm, weighing 115 g (provided for in subheading 9025.80.10)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75334. TEMPERATURE DATA MONITORS, WEIGHING**

2 **138.9 G.**

3 *Subchapter II of chapter 99 is amended by inserting*

4 *in numerical sequence the following new heading:*

“	9902.32.57	<i>Electrical data monitors, each with sensors to measure temperature, light and location and each capable of transmitting such data using cellular 3G networks, of a kind used in the transportation of goods, enclosed in a plastic housing measuring 101 mm by 65 mm by 29 mm, weighing 138.9 g (provided for in subheading 9025.80.10)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 75335. TEMPERATURE DATA MONITORS, WEIGHING**

6 **133.2 G.**

7 *Subchapter II of chapter 99 is amended by inserting*

8 *in numerical sequence the following new heading:*

“	9902.32.58	<i>Electrical data monitors, each with sensors to measure temperature, light and location and each capable of transmitting such data using cellular 2G networks, of a kind used in the transportation of goods, enclosed in a plastic housing measuring 101 mm by 65 mm by 29 mm, weighing 133.2 g (provided for in subheading 9025.80.10)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75336. PARTS AND ACCESSORIES OF BICYCLE SPEED-**
 2 **OMETERS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.32.59	Parts and accessories of bicycle speedometers (provided for in subheading 9029.90.40)	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 75337. WIRED REMOTE CONTROLLERS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.32.60	Thermostats designed for use with indoor fan coils, each with a screen, six buttons, electrical components and covered in a plastic coating, such thermostats measuring 190.5 mm in length, 287.02 mm in width and 157.5 mm in height (provided for in subheading 9032.10.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 75338. ANALOG/DIGITAL WRIST WATCHES.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.32.61	Analog/digital wrist watches (other than those of heading 9101), electrically operated, whether or not incorporating a stop watch facility, such watches having no jewels or only one jewel in the movement and with bracelet other than of textile material or of base metal (provided for in subheading 9102.19.40)	Free	No change	No change	On or before 12/31/2023 ... ”.
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11 **SEC. 75339. MECHANICAL WRIST WATCHES.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.32.62	<i>Mechanical wrist watches (other than those of heading 9101), with automatic winding, having over 17 jewels in the movement, with bracelet of stainless steel, whether or not gold- or silver-plated (provided for in subheading 9102.21.70)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75340. MECHANICAL WRIST WATCHES WITH LEATHER**
 2 **OR OTHER BAND.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.32.63	<i>Mechanical wrist watches (other than those of heading 9101), with automatic winding, having over 17 jewels in the movement, such watches with bracelet other than of textile material or of base metal (provided for in subheading 9102.21.90)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 75341. ANALOG POCKET WATCHES.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.32.64	<i>Analog pocket watches (other than those of heading 9101), electrically operated, having no jewels or only one jewel in the movement (provided for in subheading 9102.91.40)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 75342. PROJECTION ALARM CLOCKS, NON-ATOMIC.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.32.65	<i>Electrically-operated alarm clocks, such clocks capable of displaying time, date, indoor humidity and indoor temperature, the foregoing including an integrated Universal Serial Bus (USB) charging port and a projection unit that projects time, whether or not also capable of projecting temperature (provided for in subheading 9105.11.40)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75343. PROJECTION ATOMIC ALARM CLOCKS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.32.66	<i>Electrically-operated atomic alarm clocks, such clocks capable of displaying time, date and temperature, the foregoing including an integrated Universal Serial Bus (USB) charging port and a projection unit that projects both time and temperature (provided for in subheading 9105.11.40)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 75344. ANALOG WALL CLOCKS WITHOUT THERMOM-**
 5 **ETER, HYGROMETER, OR BAROMETER**
 6 **GAUGES.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.32.67	<i>Analog wall clocks, each with a diameter measuring between 35 cm to 62 cm (provided for in subheading 9105.21.80), the foregoing without thermometer, hygrometer or barometer gauges</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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9 **SEC. 75345. ANALOG CLOCKS WITH THERMOMETER AND HY-**
 10 **GROMETER.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.32.68	<i>Analog clocks, each with a temperature gauge and a humidity gauge and a diameter measuring between 20 cm and 62 cm (provided for in subheading 9105.21.80)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 75346. ATOMIC ANALOG WALL CLOCKS.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.32.69	<i>Electrically operated atomic wall clocks, designed to receive phase-modulated time code, the foregoing each with a stainless steel frame measuring approximately 35.56 cm in diameter and an analog display (provided for in subheading 9105.21.80)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 SEC. 75347. ATOMIC DIGITAL CLOCKS.

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.32.70	<i>Electrically-operated atomic clocks, each with one or more opto-electronic displays to provide time, date and temperature, whether or not such clocks have an alarm function or a moon phase display; the foregoing each with openings on the back for wall-mounting and a pull-out stand for placement on flat surfaces (provided for in subheading 9105.91.40)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 SEC. 75348. ANALOG KITCHEN TIMERS.

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.32.71	<i>Analog kitchen timers, not battery or AC powered, each with dimensions not exceeding 6 cm by 12 cm by 24 cm, such timers designed to count down from 60 minutes and shut off automatically (provided for in subheading 9106.90.85)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75349. WRIST WATCH MOVEMENTS HAVING OVER ONE**
 2 **JEWEL AND LESS THAN 7 JEWELS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.32.72	Complete watch movements, unassembled, having over one jewel but not over 7 jewels, measuring less than 33.8 mm in diameter (provided for in subheading 9110.11.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 75350. WATCH MOVEMENTS HAVING OVER 7 JEWELS**
 6 **AND UNDER 17 JEWELS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.32.73	Complete watch movements, unassembled, having over 7 jewels but not over 17 jewels, measuring less than 33.8 mm in diameter (provided for in subheading 9110.11.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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9 **SEC. 75351. WATCH CASES OR “BODIES” OVER 41 MM IN DI-**
 10 **AMETER.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.32.74	Watch cases of stainless steel, other than gold- or silver-plated, each measuring over 41 mm in width or diameter (provided for in subheading 9111.20.40)	Free	No change	No change	On or before 12/31/2023 ...”.
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13 **SEC. 75352. WATCH CASES OR “BODIES” NOT OVER 41 MM IN**
 14 **DIAMETER.**

15 *Subchapter II of chapter 99 is amended by inserting*
 16 *in numerical sequence the following new heading:*

“	9902.32.75	Watch cases of stainless steel, other than gold- or silver-plated, each measuring not over 41 mm in width or diameter (provided for in subheading 9111.20.40)	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 SEC. 75353. WATCH CASE BEZELS, BACKS, AND CENTERS.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.32.76	Watch case bezels, backs and centers, the foregoing not of precious metal or of metal clad with precious metal (provided for in subheading 9111.90.50)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 SEC. 75354. WATCH CASE PARTS.

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.32.77	Parts of watch cases, not of precious metal or of metal clad with precious metal, the foregoing other than watch bezels, backs and centers (provided for in subheading 9111.90.70)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 SEC. 75355. STAINLESS STEEL WATCH BRACELETS.

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.32.78	Watch bracelets of stainless steel, whether or not gold- or silver-plated, valued over \$100 per dozen (provided for in subheading 9113.20.40)	4.1%	No change	No change	On or before 12/31/2023 ... ”.
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10 SEC. 75356. WATCH DIALS.

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.32.79	Watch dials, not exceeding 50 mm in width (provided for in subheading 9114.30.40)	1%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75357. WATCH CROWNS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.32.80	Watch crowns of stainless steel, each with a diameter greater than 3 mm but not exceeding 10 mm (provided for in subheading 9114.90.40)	Free	No change	No change	On or before 12/31/2023 ... ”.
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4 **SEC. 75358. WATCH HANDS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.32.81	Watch hands of brass, designed to indicate hour, minute, second or counter (provided for in subheading 9114.90.40)	Free	No change	No change	On or before 12/31/2023 ... ”.
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7 **SEC. 75359. ACOUSTIC GUITARS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.32.82	Acoustic guitars, valued not over \$100 each, excluding the value of the case (provided for in subheading 9202.90.20)	3.6%	No change	No change	On or before 12/31/2023 ... ”.
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10 **SEC. 75360. CONSOLE DIGITAL PIANOS.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.32.83	Upright console digital pianos, the sound of which is produced, or must be amplified, electrically; each with one 88-key hammer action keyboard and valued at \$100 or more (provided for in subheading 9207.10.00)	4.5%	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75361. GRAND DIGITAL PIANOS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.32.84	<i>Grand pianos, digital, each with one 88-key hammer action keyboard and valued \$100 or more (provided for in subheading 9207.10.00)</i>	0.4%	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 75362. ELECTRONIC 61-KEY KEYBOARDS.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.32.85	<i>Electronic 61-key musical single keyboard instruments, each with folding stand and stool, weighing approximately 5.4 kg and valued \$48 or more but not over \$55 (provided for in subheading 9207.10.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 75363. ELECTRIC GUITARS AND ACOUSTIC/ELECTRIC**
 8 **GUITARS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.32.86	<i>Electric guitars, designed to be amplified electronically, valued over \$40 but not more than \$200 per unit (provided for in subheading 9207.90.00)</i>	3.7%	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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11 **SEC. 75364. MEMORY FOAM TRAVEL PILLOWS.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.32.87	<i>Travel pillows of viscoelastic polyurethane foam and with cover of polyester fabric, each pillow with a zipper and a hook-and-loop attachment and measuring 10 cm or more but not over 13 cm in height, 21 cm or more but not over 28 cm in length and 21 cm or more but not over 26 cm in width (provided for in subheading 9404.90.20)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 75365. LIGHTING FOR WALL INSTALLATION.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.32.88	<i>Electrical lighting fittings, of base metal other than of brass, such goods designed for permanent wall installation (provided for in subheading 9405.10.60)</i>	<i>7%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 SEC. 75366. DECORATIVE BATHROOM FAN ASSEMBLIES
5 (LIGHTING FIXTURES) ASSEMBLIES.

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.32.89	<i>Decorative bathroom fan globe assemblies (lighting fixtures), with base metal and glass, acrylic or polycarbonate lens or globe, the foregoing designed to be used exclusively for exhaust fan lights (provided for in subheading 9405.10.80)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 SEC. 75367. METAL HOUSEHOLD FLOOR LAMPS.

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.32.90	<i>Electric household floor standing lamps, of base metal other than brass, each with an E26 socket (provided for in subheading 9405.20.60)</i>	<i>5.7%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75368. SOLAR POWERED PATHWAY LIGHTS, EACH**
 2 **MEASURING BETWEEN 36.8 CM AND 42 CM IN**
 3 **HEIGHT.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.32.91	<i>Solar powered pathway lights, of base metal other than of brass, having glass lenses, each measuring between 45 cm and 48 cm in height, containing a rechargeable 900 milliampere-hour (mAh) battery and LED lamp (provided for in subheading 9405.40.60)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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6 **SEC. 75369. SOLAR POWERED PATHWAY LIGHTS, EACH**
 7 **MEASURING BETWEEN 45 CM AND 48 CM IN**
 8 **HEIGHT.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.32.92	<i>Solar powered pathway lights, of base metal other than of brass, having glass lenses, measuring between 36.8 cm and 42 cm in height, each containing a rechargeable 800 milliampere-hour (mAh) battery and a light-emitting diode (LED) lamp (provided for in subheading 9405.40.60)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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11 **SEC. 75370. EXTERIOR EXIT VIEWING LIGHTS, DUAL BEAM.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.32.93	<i>Exterior exit viewing lights, of aluminum alloy, round in shape, with a diameter not more than 12.5 cm and a weight not over 0.3 kg, each containing a two light emitting diode, printed circuit board and electrical connector, the foregoing configured to be mounted to the exterior of an aircraft and designed for illuminating the ground contact areas for personnel in the event of an emergency landing (provided for in subheading 9405.40.60)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 75371. LED FLAMELESS CANDLES.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.32.94	<i>Light-emitting diode (LED) flameless pillar-shaped candles, of unscented wax, each incorporating a timer, with realistic flame movement and with remote control (provided for in subheading 9405.40.84)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 SEC. 75372. AQUARIUM LED LIGHT STRANDS.

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.32.95	<i>Light-emitting diode (LED) low voltage lighting designed for use with aquarium tanks, each with from one to ten LED modules with three LED arrays, with power source and plastic housing to protect circuitry (provided for in subheading 9405.40.84)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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**7 SEC. 75373. LED LIGHT MODULES FOR BATHROOM FANS/
 8 LIGHTS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.32.96	<i>Light emitting diode (LED) lighting modules, each with DC output between 260 milli-ampere and 320 milliampere and designed to be used in the manufacture of a bathroom exhaust fan/light (provided for in subheading 9405.40.84)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 75374. AQUARIUM LED LIGHT STICKS.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.32.97	<i>Light-emitting diode (LED) low voltage light sticks designed for use with aquarium tanks, ranging in length from 4 cm to 70 cm, including single and double light sticks with power source, with LED arrays distributed along the length of the stick, LEDs and circuitry protected by a clear plastic sealed tube (provided for in subheading 9405.40.84)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 SEC. 75375. AQUARIUM LED LIGHT STRIPS.

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.32.98	<i>Light-emitting diode (LED) low voltage light strips designed for use with aquarium tanks, having protective housings of plastics or of aluminum, with LED arrays arranged in rows and columns, presented with power source, with plastic lens to protect circuitry (provided for in subheading 9405.40.84)</i>	<i>1.7%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 SEC. 75376. DECORATIVE VOTIVE CANDLE HOLDERS.

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.32.99	<i>Decorative candle holders other than of brass, each measuring 5 cm to 17.2 cm in height and 5 cm to 15.25 cm in diameter, weighing 6.2 g or more but not more than 2.7 kg, valued over \$0.50 but not over \$15 each (provided for in subheading 9405.50.40)</i>	3.9%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75377. CANDLE JAR SHADES.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.33.01	<i>Decorative candle holder shades, other than of brass, each designed to fit on the top of a jar style candle holder (provided for in subheading 9405.50.40)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 75378. NON-ELECTRICAL LIGHTING.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.33.02	<i>Non-electrical lamps (luminaires) designed for wall mounting, of base metal other than of brass, each having a glass sleeve; the foregoing not including candle lamps (provided for in subheading 9405.50.40)</i>	5.8%	No change	No change	On or before 12/31/2023 ...”.
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7 **SEC. 75379. OUTDOOR GARDEN OR PATIO TORCHES OF BAM-**
 8 **BOO CONSTRUCTION.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.33.03	<i>Outdoor garden torches, each comprising a dried bamboo pole supporting a compartment holding a fuel canister and wick, measuring 0.75 m to 1.6 m in height (provided for in subheading 9405.50.40)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75380. OUTDOOR GARDEN OR PATIO TORCHES OF**
 2 **NON-BAMBOO CONSTRUCTION.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.33.04	Outdoor garden torches, of any single material including base metal (other than brass), glass, ceramic or resin or a combination thereof; but not of bamboo; each incorporating a reservoir for fuel and a wick (provided for in subheading 9405.50.40)	0.8%	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 75381. INDOOR OIL LAMPS WITH BASE OF GLASS OR**
 6 **METAL.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.33.05	Oil lamps, with a base of metal (other than of brass) or of glass, each lamp with wick holder, glass chimney and flat or round wick (provided for in subheading 9405.50.40)	Free	No change	No change	On or before 12/31/2023 ...”.
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9 **SEC. 75382. OUTDOOR GARDEN TORCHES FOR TABLETOP**
 10 **USE.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.33.06	Outdoor garden torches for tabletop use, such torches of bamboo, metal other than brass, glass, ceramic or resin, each incorporating a woven wick (provided for in subheading 9405.50.40)	Free	No change	No change	On or before 12/31/2023 ...”.
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13 **SEC. 75383. GLASS LENS ARRAYS FOR SPOTLIGHTS.**

14 *Subchapter II of chapter 99 is amended by inserting*
 15 *in numerical sequence the following new heading:*

“	9902.33.07	<i>Glass lens arrays, each molded to form 60 individual lenses on one side, each such lens measuring 10 mm in diameter, with a smooth reverse side, designed for insertion into an LED light fixture (provided for in subheading 9405.91.60)</i>	Free	No change	No change	On or before 12/31/2023 ...”
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1 **SEC. 75384. LAMP SHADES.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.33.08	<i>Shades for lamps (luminaires), of vegetable fibers (provided for in subheading 9405.99.40)</i>	4.8%	No change	No change	On or before 12/31/2023 ...”
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4 **SEC. 75385. GALVANIZED STEEL LED DOWNLIGHT HOUSING**
 5 **FRAMES.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.33.09	<i>Housing frames of galvanized steel (bare metal), designed for use in light emitting diode (LED) downlights (provided for in subheading 9405.99.40)</i>	4.8%	No change	No change	On or before 12/31/2023 ...”
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8 **SEC. 75386. ALUMINUM CYLINDERS FOR LED LIGHTING FIX-**
 9 **TURES.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.33.10	<i>Cylinders of aluminum, designed for light emitting diode (LED) lighting fixtures (provided for in subheading 9405.99.40)</i>	4%	No change	No change	On or before 12/31/2023 ...”
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1 **SEC. 75387. GALVANIZED STEEL BRACKETS AND PLATES**
 2 **FOR LED LIGHTING FIXTURES.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.33.11	Brackets and plates of galvanized steel, designed for use with light emitting diode (LED) lighting fixtures (provided for in subheading 9405.99.40)	3.5%	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 75388. ALUMINUM LED DOWNLIGHT REFLECTORS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.33.12	Reflectors of aluminum, designed for light emitting diode (LED) downlights (provided for in subheading 9405.99.40)	3.5%	No change	No change	On or before 12/31/2023 ...”.
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8 **SEC. 75389. OUTDOOR GARDEN TORCH REPLACEMENT CAN-**
 9 **ISTERS.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.33.13	Canisters designed for outdoor garden torches, of base metal other than brass, each incorporating a wick and flameguard (provided for in subheading 9405.99.40)	Free	No change	No change	On or before 12/31/2023 ...”.
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12 **SEC. 75390. IRIS SUBASSEMBLIES FOR MOVING LIGHTS.**

13 *Subchapter II of chapter 99 is amended by inserting*
 14 *in numerical sequence the following new heading:*

“	9902.33.14	<i>Iris subassemblies, each consisting of two or more parts or pieces fastened or joined together, including an adjustable opening, the foregoing designed for controlling the dimensions of a beam produced by an automated moving light fixture (provided for in subheading 9405.99.40)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75391. ZOOM MODULES FOR AUTOMATED MOVING**
 2 **LIGHTS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.33.15	<i>Zoom modules, each consisting of two or more parts or pieces fastened or joined together, including rails or lenses, such modules each designed for moving the lenses of an automated moving light fixture (provided for in subheading 9405.99.40)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 75392. GOLF CLUB HEADS FOR FAIRWAY WOODS.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.33.16	<i>Golf club heads designed for clubs designated as fairway woods (provided for in subheading 9506.39.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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8 **SEC. 75393. GOLF CLUB SHAFTS FOR PUTTERS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.33.17	<i>Golf club shafts, designed for use with putters (provided for in subheading 9506.39.00), the foregoing other than goods described in any other heading of this subchapter</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75394. STEEL GOLF CLUB SHAFTS, OTHER THAN FOR**
 2 **PUTTERS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.33.18	Golf club shafts of steel, other than those designed for use with putters (provided for in subheading 9506.39.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 75395. GOLF CLUB SHAFT ASSEMBLIES.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.33.19	Golf club shaft assemblies, each comprising a graphite golf shaft with a grip attached by adhesive tape and a loft adapter attached by glue (provided for in subheading 9506.39.00), the foregoing other than goods described in any other heading of this subchapter	Free	No change	No change	On or before 12/31/2023 ...”.
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8 **SEC. 75396. GRAPHITE DRIVER GOLF CLUB SHAFTS, EXTRA**
 9 **STIFF FLEX.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.33.20	Golf club shafts of graphite, designed for use with driver and/or fairway wood clubs, the foregoing measuring from approximately 106.7 cm to 121.9 cm, of extra stiff flexibility as denoted by a letter code of “X” or “TX” imprinted on the shaft (provided for in subheading 9506.39.00), the foregoing other than goods described in any other heading of this subchapter	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75397. GRAPHITE HYBRID GOLF CLUB SHAFTS, EXTRA**
 2 **STIFF FLEX.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.33.21	Golf club shafts of graphite, designed for use with hybrid clubs, the forgoing measuring from approximately 101.6 cm to 106.6 cm, of extra stiff flexibility as denoted by a letter code of “X” or “TX” imprinted on the shaft (provided for in subheading 9506.39.00), the foregoing other than goods described in any other heading of this chapter	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 75398. GRAPHITE IRONS GOLF CLUB SHAFTS, EXTRA**
 6 **STIFF FLEX.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.33.22	Golf club shafts of graphite, designed for use with irons, each measuring from approximately 88.9 cm to 101.5 cm, of extra stiff flexibility as denoted by a letter code of “X” or “TX” imprinted on the shaft (provided for in subheading 9506.39.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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9 **SEC. 75399. GRAPHITE DRIVER GOLF CLUB SHAFTS, REG-**
 10 **ULAR, SENIOR, ADULT, OR LADIES FLEX.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.33.23	Golf club shafts of graphite, designed for use with driver and/or fairway wood clubs, each measuring from approximately 106.7 cm to 121.9 cm, of regular, light, senior, adult and/or ladies flexibility as denoted by a code of “R”, “L”, “A”, “M”, “AM”, “A/M”, “F2”, “F3”, “5.0”, “5.”, or “Senior” imprinted on the shaft (provided for in subheading 9506.39.00), the foregoing not described in any other heading of this subchapter	2.3%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75400. GRAPHITE GOLF CLUB DRIVER SHAFTS, STIFF**

2 **FLEX.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.33.24	Golf club shafts of graphite, designed for use with driver and/or fairway wood clubs, each measuring from approximately 106.7 cm to 121.9 cm, of stiff flexibility denoted by a letter code “S”, “SR”, “TS”, “6.0”, “6.5” or “F4” imprinted on the shaft (provided for in subheading 9506.39.00), the foregoing presented without loft adapter	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 75401. GRAPHITE HYBRID GOLF CLUB SHAFTS, REG-**
 6 **ULAR, SENIOR, ADULT, OR LADIES FLEX.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.33.25	Golf club shafts of graphite, designed for use with hybrid clubs, each measuring from approximately 101.6 cm to 106.6 cm, such shafts of regular, light, senior, adult and/or ladies flexibility as denoted by a code of “R”, “L”, “A”, “M”, “AM”, “A/M”, “F2”, “F3”, “5.0”, “5.5” or “Senior” imprinted on the shaft (provided for in subheading 9506.39.00), the foregoing not described in any other heading of this subchapter	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75402. GRAPHITE HYBRID GOLF CLUB SHAFTS, STIFF**

2 **FLEX.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.33.26	Golf club shafts of graphite, designed for use with hybrid clubs, the foregoing measuring approximately 101.6 cm to 106.6 cm in length, of stiff flexibility as denoted by a letter code of “S”, “SR”, “TS”, “6.0”, “6.5” or “F4” imprinted on the shaft (provided for in subheading 9506.39.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 75403. GRAPHITE IRONS GOLF CLUB SHAFTS, REG-**
 6 **ULAR, SENIOR, ADULT, OR LADIES FLEX.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.33.27	Golf club shafts of graphite, designed for use with irons meaning the foregoing measuring from approximately 88.9 cm to 101.5 cm, each having regular, light, senior, adult, and/or ladies flexibility as denoted by a letter code of “R”, “L”, “A”, “M”, “AM”, “A/M”, “F2”, “F3”, “5.0”, “5.5” or “Senior” imprinted on the shaft (provided for in subheading 9506.39.00)”	2.9%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75404. GRAPHITE IRONS GOLF CLUB SHAFTS, STIFF**

2 **FLEX.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.33.28	Golf club shafts of graphite, designed for use with irons, each measuring from approximately 88.9 cm to 101.5 cm, of stiff flexibility as denoted by a letter code of “S”, “SR”, “TS”, “6.0”, “6.5” or “F4” imprinted on the shaft (provided for in subheading 9506.39.00), the foregoing other than goods described in any other heading of this subchapter	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 75405. PICKLEBALL PADDLES.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.33.29	Pickleball paddles or rackets (provided for in subheading 9506.59.80)	Free	No change	No change	On or before 12/31/2023 ... ”.
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8 **SEC. 75406. PICKLEBALLS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.33.30	Noninflatable hollow pickleballs, each measuring not over 19 cm in diameter (provided for in subheading 9506.69.40)	Free	No change	No change	On or before 12/31/2023 ... ”.
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11 **SEC. 75407. EXERCISE CYCLES.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.33.31	<i>Upright, recumbent and semi-recumbent exercise cycles (provided for in subheading 9506.91.00), the foregoing other than goods described in any other heading of this subchapter</i>	4.5%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75408. STATIONARY TRAINERS.**

2 *Subchapter II of chapter 99 is amended by inserting*

3 *in numerical sequence the following new heading:*

“	9902.33.32	<i>Bicycle stationary trainers, designed to hold bicycles upright and off-ground, each with 2 sections: a front stand with a clamp to attach to a bicycle’s steering column and a molded plastic piece to capture the front wheel, and a rear section that attaches to the bicycle’s rear axle having a resistance unit on which the rear wheel sits (provided for in subheading 9506.91.00)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 75409. MULTIMODALITY FITNESS EQUIPMENT, WITH-**
 5 **OUT INTEGRATED CONTACT GRIP HEART**
 6 **RATE MONITOR.**

7 *Subchapter II of chapter 99 is amended by inserting*

8 *in numerical sequence the following new heading:*

“	9902.33.33	<i>Fitness equipment, each with pivoting handles and foot pedals that perform alternating movements which combine the motions of a stepper and an elliptical machine, driving simultaneously a radial fan and magnetic brake in the base, such equipment without integrated contact grip heart rate monitor and weighing less than 90 kg (provided for in subheading 9506.91.00)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75410. MULTIMODALITY FITNESS EQUIPMENT WITH IN-**
 2 **TEGRAED POWER SENSOR TO MEASURE THE**
 3 **USER’S UPPER BODY POWER INPUT.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.33.34	<i>Fitness equipment, each unit with pivoting handles and foot pedals that allow the user to perform alternating movements which combine the motions of a stepper and an elliptical machine, and driving simultaneously a radial fan and magnetic brake in the base; each weighing less than 90 kg and equipped with integrated contact grip heart rate monitor and integrated power sensor to measure the user’s upper body power input (provided for in subheading 9506.91.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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6 **SEC. 75411. PARTS AND ACCESSORIES FOR TREADMILLS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.33.35	<i>Parts and accessories (other than display consoles) of treadmills (provided for in subheading 9506.91.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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9 **SEC. 75412. PARTS AND ACCESSORIES FOR ELLIPTICALS.**

10 *Subchapter II of chapter 99 is amended by inserting*
 11 *in numerical sequence the following new heading:*

“	9902.33.36	<i>Parts and accessories (other than display consoles) of elliptical fitness machines that use a forward and backward pedaling motion with adjustable vertical incline (provided for in subheading 9506.91.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75413. PARTS AND ACCESSORIES FOR STATIONARY EX-**
 2 **ERCISE CYCLES.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.33.37	Parts and accessories (other than display consoles) of stationary exercise cycles (provided for in subheading 9506.91.00)	1.2%	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 75414. PARTS AND ACCESSORIES FOR WEIGHT TRAIN-**
 6 **ING EQUIPMENT.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.33.38	Parts of and accessories for dumbbells and other weight and strength training equipment (for example, resistance gyms) (provided for in subheading 9506.91.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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9 **SEC. 75415. PARTS AND ACCESSORIES FOR CERTAIN EXER-**
 10 **CISE EQUIPMENT MACHINES.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.33.39	Parts of and accessories for (other than display consoles) indoor aerobic fitness equipment, other than such goods for treadmills, stationary exercise cycles and ellipticals using forward and backward pedaling motion with adjustable vertical incline (provided for in subheading 9506.91.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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13 **SEC. 75416. LATERAL ELLIPTICAL MACHINES.**

14 *Subchapter II of chapter 99 is amended by inserting*
 15 *in numerical sequence the following new heading:*

“	9902.33.40	<i>Fitness equipment, each with pivoting handles and vertical stationary grips, with suspension pedals that move in a lateral elliptical motion to drive a magnetic resistance assembly in the base, presented with contact grip heart rate monitor (provided for in subheading 9506.91.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75417. ADJUSTABLE-WEIGHT KETTLEBELLS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.33.41	<i>Adjustable-weight kettlebells, each with rotating dial for selecting interlocking integrated weight plates within a designated weight range and presented with a separable base for holding unused weight plates (provided for in subheading 9506.91.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 **SEC. 75418. ADJUSTABLE-WEIGHT BARBELL.**

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.33.42	<i>Adjustable-weight barbells, each with rotating selection end dials for selecting interlocking, integrated weight plates within a designated weight range, whether or not also including additional weight plates, adjustable-weight curl bar or specially designed stand (provided for in subheading 9506.91.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 **SEC. 75419. EXERCISE CYCLES WITH DUAL-POSITION HAND-**
 8 **GRIPS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.33.43	<i>Stationary wind-resistance exercise cycles, each with pivoting handlebars with dual-position horizontal handgrips and rotating foot pedals that drive a large, caged axial fan (provided for in subheading 9506.91.00), the foregoing other than goods described in any other heading of this subchapter</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 75420. EXERCISE CYCLES WITH SINGLE HANDGRIPS.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.33.44	<i>Stationary wind-resistance exercise cycles, each with pivoting handlebars and single horizontal handgrips, with rotating foot pedals that drive a large, caged axial fan (provided for in subheading 9506.91.00), the foregoing other than goods described in any other heading of this subchapter</i>	<i>0.5%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 SEC. 75421. UPRIGHT EXERCISE CYCLES.

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.33.45	<i>Upright stationary exercise cycles, each having an enclosed magnetic brake system, fitted with connectors for and designed to incorporate a touchscreen console, whether or not presented with the touchscreen console (provided for in subheading 9506.91.00), the foregoing other than goods described in any other heading of this subchapter</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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7 SEC. 75422. RECUMBENT EXERCISE CYCLES WITH
8 TOUCHSCREEN CONSOLES.

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.33.46	<i>Recumbent stationary exercise cycles, each having an enclosed magnetic brake system, fitted with connectors for and designed to incorporate a touchscreen console, whether or not presented with such touchscreen console (provided for in subheading 9506.91.00), the foregoing other than goods described in any other heading of this subchapter</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 SEC. 75423. LEANING EXERCISE CYCLES.

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.33.47	<i>Stationary exercise cycles, each comprising a bicycle component connected to a base frame by pivots designed to partially rotate the bicycle component on a longitudinal axis, moving it side-to-side in response to the shifting weight of the user to simulate the rocking motion of an outdoor road bicycle (provided for in subheading 9506.91.00), the foregoing other than goods described in any other heading of this subchapter</i>	<i>1.1%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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4 SEC. 75424. ROD GYMS, WITH VERTICAL BENCH.

5 *Subchapter II of chapter 99 is amended by inserting*
 6 *in numerical sequence the following new heading:*

“	9902.33.48	<i>Full-body strength training fitness equipment (home gyms), each incorporating a vertical bench, a removable, adjustable seat, an attached backrest and a detachable leg extension/leg curl attachment, the foregoing each with interchangeable hand grips to connect to a cable and pulley system designed to employ flexible resistance rods, whether or not presented with such flexible rods (provided for in subheading 9506.91.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75425. ROD AND RESISTANCE GYMS, WITH FLAT**
 2 **BENCHES.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.33.49	Full-body strength training fitness equipment (home gyms), each with flat bench, sliding seat and removable backrest, equipped with interchangeable hand grips to connect to a cable and pulley system designed to employ flexible resistance rods or torsion resistance plates, whether or not presented with rods or plates (provided for in subheading 9506.91.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 75426. FOLDABLE TREADMILLS, WITH LCD CONSOLES**
 6 **WITH CONTROL KEYPADS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.33.50	Foldable treadmills, each with a button-release locking mechanism required for folding the running deck for storage and releasing from the storage position for use, capable of wireless data exchange and incorporating a liquid crystal display console with control keypad (provided for in subheading 9506.91.00)	Free	No change	No change	On or before 12/31/2023 ... ”.
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9 **SEC. 75427. FOLDABLE TREADMILLS, WITH TOUCHSCREEN**
 10 **CONSOLES MEASURING 44.5 CM OR LESS.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.33.51	Foldable treadmills, each equipped with a button-release locking mechanism required for folding the running deck for storage and releasing from the storage position for use, capable of wireless data exchange and incorporating a touchscreen console having a diagonal display size measuring 44.5 cm or less (provided for in subheading 9506.91.00)	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75428. INDOOR CYCLING MACHINES WITH WIRELESS**
 2 **DATA TOUCHSCREEN DISPLAYS.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.33.52	Stationary indoor cycling exercise cycles, each with a frame designed to simulate the user's body position and pedaling of an outdoor road bicycle, with visible flywheel, equipped with an adjustable magnetic brake to resist rotation of the flywheel, manual emergency braking mechanism and interactive touchscreen display capable of wireless data exchange and two water bottle holders (provided for in subheading 9506.91.00), the foregoing other than goods described in any other heading of this subchapter	Free	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 75429. INDOOR CYCLING MACHINES WITH LCD CON-**
 6 **SOLES AND TWO WATER BOTTLE HOLDERS.**

7 *Subchapter II of chapter 99 is amended by inserting*
 8 *in numerical sequence the following new heading:*

“	9902.33.53	Stationary indoor cycling exercise cycles, each with a frame designed to simulate the user's body position and pedaling of an outdoor road bicycle, with visible flywheel, equipped with an adjustable magnetic brake to resist rotation of the flywheel, manual emergency braking mechanism, liquid crystal display console, wireless data exchange capability and two water bottle holders (provided for in subheading 9506.91.00), the foregoing other than goods described in any other heading of this subchapter	Free	No change	No change	On or before 12/31/2023 ... ”.
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1 **SEC. 75430. INDOOR CYCLING MACHINES WITH LCD CON-**
 2 **SOLES AND SINGLE WATER BOTTLE HOLDER.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.33.54	Stationary indoor cycling exercise cycles, each with frame designed to simulate the user's body position and pedaling of an outdoor road bicycle, with visible flywheel, equipped with an adjustable friction pad brake to resist rotation of the flywheel, manual emergency braking mechanism, liquid crystal display console and single water bottle holder (provided for in subheading 9506.91.00), the foregoing other than goods described in any other heading of this subchapter	1.4%	No change	No change	On or before 12/31/2023 ... ”.
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5 **SEC. 75431. RECUMBENT ELLIPTICAL MACHINES.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.33.55	<i>Recumbent seated fitness equipment, each with pivoting closed-loop handles that perform alternating movements and foot pedals that move in an elliptical motion, driving a resistance assembly in the base, with optional-use stationary foot supports for enhanced upper body workout (provided for in subheading 9506.91.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75432. FITNESS EQUIPMENT COMBINING THE FUNC-**
 2 **TIONS OF AN ELLIPTICAL AND A STAIR STEP-**
 3 **PER, WEIGHT OVER 90 KGS.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.33.56	<i>Fitness equipment, each with pivoting handles and foot pedals that perform alternating movements combining the motions of a stepper and an elliptical machine, driving simultaneously a radial fan and magnetic brake in the base, equipped with a lever for the manual adjustment of resistance levels, weighing over 90 kgs (provided for in subheading 9506.91.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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6 **SEC. 75433. FOLDABLE TREADMILLS WITH TOUCHSCREEN**
 7 **CONSOLE GREATER THAN 44.4 CM.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.33.57	<i>Foldable treadmills, each equipped with a button-release locking mechanism required for folding the running deck for storage and releasing the deck from the storage position for use; such treadmills capable of wireless data exchange and each incorporating a touchscreen console having a diagonal display measuring over 44.4 cm (provided for in subheading 9506.91.00)</i>	<i>0.5%</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75434. INTERACTIVE INDOOR CYCLING EXERCISE CY-**
 2 **CLES.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.33.58	<i>Interactive indoor cycling exercise cycles, capable of wireless data exchange, simulating the movement of outdoor cycling, employing dynamic inertia magnetic resistance and an electromotor brake system within an enclosed plastic four-legged base and incorporating curved drop handlebars with electronic gear shifters, dual interactive air fans, tablet mount and a workout session performance display (provided for in subheading 9506.91.00), the foregoing other than goods described in any other heading of this subchapter</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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5 **SEC. 75435. MULTIMODALITY FITNESS EQUIPMENT, WITH**
 6 **INTEGRATED CONTACT GRIP HEART RATE**
 7 **MONITORS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.33.59	<i>Fitness equipment, each with pivoting handles and foot pedals that perform alternating movements which combine the motions of a stepper and an elliptical machine, driving simultaneously a radial fan and magnetic brake in the base, the foregoing weighing less than 90 kg and equipped with integrated contact grip heart rate monitor (provided for in subheading 9506.91.00)</i>	<i>Free</i>	<i>No change</i>	<i>No change</i>	<i>On or before 12/31/2023 ...</i>	”.
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1 **SEC. 75436. FISHING REELS VALUED NOT OVER \$2.70 EACH,**
 2 **PRE-SPOOLED, WITH ROD AND FISHING LINE.**

3 *Subchapter II of chapter 99 is amended by inserting*
 4 *in numerical sequence the following new heading:*

“	9902.33.60	<i>Fishing rods, each presented with a fishing reel valued not over \$2.70 each, pre-spooled with fishing line, the foregoing put up for retail sale as a complete kit each comprising one rod and one reel (whether or not containing other accessories), with each kit having an aggregate value of no more than \$30 (provided for in subheading 9507.30.20)</i>	5.9%	No change	No change	On or before 12/31/2023 ...”.
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5 **SEC. 75437. FISHING REELS VALUED NOT OVER \$2.70 EACH.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.33.61	<i>Fishing reels valued not over \$2.70 each (provided for in subheading 9507.30.20)</i>	5.7%	No change	No change	On or before 12/31/2023 ...”.
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8 **SEC. 75438. HARD ARTIFICIAL CRANKBAITS.**

9 *Subchapter II of chapter 99 is amended by inserting*
 10 *in numerical sequence the following new heading:*

“	9902.33.62	<i>Artificial baits of rigid plastics, each with two or more treble hooks attached and with wire loops at the top or front end for attaching fishing line, such baits shaped to approximate bait fish, whether or not having a plastic lip at the bottom front end, the foregoing put up for retail sale and valued not over \$20 each; such goods excluding baits with a blunt front end and excluding baits with a torpedo shape (provided for in subheading 9507.90.70)</i>	3.8%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75439. COLLAPSIBLE BIG GAME DECOYS.**

2 *Subchapter II of chapter 99 is amended by inserting*
 3 *in numerical sequence the following new heading:*

“	9902.33.63	<i>Foldable decoys, each depicting birds or wildlife, constructed from two or more layers of printed textile fabric of polyester supported by a metal spring band system (provided for in subheading 9507.90.80)</i>	0.3%	No change	No change	On or before 12/31/2023 ...”.
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4 **SEC. 75440. VACUUM STEEL HINGED LID PITCHERS, NOT EX-**
 5 **CEEDING 1 LITER.**

6 *Subchapter II of chapter 99 is amended by inserting*
 7 *in numerical sequence the following new heading:*

“	9902.33.64	<i>Insulated thermal pitchers, each with stainless steel interior and exterior, with hinged stainless steel lid, no separate base and a capacity not exceeding 1 liter (provided for in subheading 9617.00.10)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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8 **SEC. 75441. VACUUM INSULATED DRINKWARE HAVING A CA-**
 9 **PACITY EXCEEDING 1 LITER BUT NOT EX-**
 10 **CEEDING 2 LITERS.**

11 *Subchapter II of chapter 99 is amended by inserting*
 12 *in numerical sequence the following new heading:*

“	9902.33.65	<i>Stainless steel vacuum insulated drinkware, double-walled, and complete with cases, having a capacity exceeding 1 liter but not exceeding 2 liters (provided for in subheading 9617.00.30)</i>	6.1%	No change	No change	On or before 12/31/2023 ...”.
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1 **SEC. 75442. VACUUM INSULATED DRINKWARE HAVING A CA-**
 2 **PACITY EXCEEDING 2 LITERS BUT NOT EX-**
 3 **CEEDING 4 LITERS.**

4 *Subchapter II of chapter 99 is amended by inserting*
 5 *in numerical sequence the following new heading:*

“	9902.33.66	<i>Stainless steel vacuum insulated drinkware, double-walled, having a capacity exceeding 2 liters but not exceeding 4 liters, complete with cases (provided for in subheading 9617.00.40)</i>	4.9%	No change	No change	On or before 12/31/2023 ...”.
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6 **SEC. 75443. VACUUM GLASS LINED STEEL COFFEE SERVERS**
 7 **OVER 2 LITERS.**

8 *Subchapter II of chapter 99 is amended by inserting*
 9 *in numerical sequence the following new heading:*

“	9902.33.67	<i>Insulated coffee servers, each with exterior of stainless steel and vacuum liner of glass, with a hinged brew-through lid with push-button dispensing, such servers with seamless design and without separate base; the foregoing with capacity over 2 liters (provided for in subheading 9617.00.40)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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10 **SEC. 75444. VACUUM GLASS LINED STEEL COFFEE SERVERS**
 11 **OVER 2 LITERS WITH LEVER DISPENSING.**

12 *Subchapter II of chapter 99 is amended by inserting*
 13 *in numerical sequence the following new heading:*

“	9902.33.68	<i>Insulated vacuum coffee servers, each with exterior layer of stainless steel and liner of glass, with a hinged brew-through lid with lever action dispensing, such servers without separate base; the foregoing with capacity over 2 liters (provided for in subheading 9617.00.40)</i>	Free	No change	No change	On or before 12/31/2023 ...”.
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1 **PART II—EXISTING DUTY SUSPENSIONS AND**
2 **REDUCTIONS**

3 **SEC. 75451. EXTENSION OF CERTAIN EXISTING DUTY SUS-**
4 **PENSIONS AND REDUCTIONS AND OTHER**
5 **MODIFICATIONS.**

6 (a) *EXTENSIONS.*—*Each of the following headings is*
7 *amended by striking the date in the effective period column*
8 *and inserting “12/31/2023”:*

9 (1) *Heading 9902.01.01 (relating to frozen,*
10 *boiled glutinous corn).*

11 (2) *Heading 9902.01.02 (relating to mustard*
12 *seed oil).*

13 (3) *Heading 9902.01.03 (relating to unsweetened*
14 *cocoa powder).*

15 (4) *Heading 9902.01.09 (relating to*
16 *pepperoncini preserved in brine).*

17 (5) *Heading 9902.01.11 (relating to dried straw-*
18 *berries).*

19 (6) *Heading 9902.01.18 (relating to*
20 *isododecane).*

21 (7) *Heading 9902.01.22 (relating to*
22 *nitrosylsulfuric acid).*

23 (8) *Heading 9902.01.24 (relating to sulfamic*
24 *acid).*

25 (9) *Heading 9902.01.26 (relating to certain*
26 *spherical particles of silicon dioxide).*

1 (10) *Heading 9902.01.27 (relating to dioxosilane*
2 *spherical particles (mean particle size 0.007–0.020*
3 *mm)).*

4 (11) *Heading 9902.01.29 (relating to certain sil-*
5 *icon dioxide spherical particles (mean particle size*
6 *28–45 micrometers)).*

7 (12) *Heading 9902.01.33 (relating to thionyl*
8 *chloride).*

9 (13) *Heading 9902.01.36 (relating to hydroxyl-*
10 *amine free base).*

11 (14) *Heading 9902.01.37 (relating to hydroxyl-*
12 *amine sulphate).*

13 (15) *Heading 9902.01.40 (relating to tin(IV)*
14 *oxide).*

15 (16) *Heading 9902.01.41 (relating to ammonium*
16 *bifluoride).*

17 (17) *Heading 9902.01.46 (relating to potassium*
18 *bifluoride).*

19 (18) *Heading 9902.01.52 (relating to cesium*
20 *chloride).*

21 (19) *Heading 9902.01.53 (relating to cesium io-*
22 *dide).*

23 (20) *Heading 9902.01.54 (relating to sodium*
24 *sulfides).*

- 1 (21) *Heading 9902.01.55 (relating to sodium*
2 *thiosulfate).*
- 3 (22) *Heading 9902.01.57 (relating to sodium*
4 *hypophosphite).*
- 5 (23) *Heading 9902.01.58 (relating to*
6 *monopotassium phosphate).*
- 7 (24) *Heading 9902.01.59 (relating to ammonium*
8 *polyphosphate).*
- 9 (25) *Heading 9902.01.63 (relating to sodium fer-*
10 *rocyanide).*
- 11 (26) *Heading 9902.01.68 (relating to sodium*
12 *thiocyanate).*
- 13 (27) *Heading 9902.01.69 (relating to silver so-*
14 *dium zirconium hydrogenphosphate).*
- 15 (28) *Heading 9902.01.75 (relating to yttrium*
16 *oxide).*
- 17 (29) *Heading 9902.01.76 (relating to ytterbium*
18 *trifluoride powder).*
- 19 (30) *Heading 9902.01.77 (relating to titanium*
20 *hydride).*
- 21 (31) *Heading 9902.01.79 (relating to lithium*
22 *aluminum hydride).*
- 23 (32) *Heading 9902.01.81 (relating to n-butyl*
24 *chloride).*

1 (33) *Heading 9902.01.82 (relating to 1,6-*
2 *dichlorohexane).*

3 (34) *Heading 9902.01.83 (relating to allyl bro-*
4 *mide).*

5 (35) *Heading 9902.01.84 (relating to DCP).*

6 (36) *Heading 9902.01.86 (relating to o-*
7 *dichlorobenzene).*

8 (37) *Heading 9902.01.89 (relating to 1,2,4-*
9 *trichlorobenzene).*

10 (38) *Heading 9902.01.91 (relating to o-*
11 *chlorobenzyl chloride (oCBC)).*

12 (39) *Heading 9902.01.92 (relating to*
13 *dichlorotoluene).*

14 (40) *Heading 9902.01.93 (relating to 2-chloro-6-*
15 *fluorobenzylchloride).*

16 (41) *Heading 9902.01.98 (relating to lithium p-*
17 *styrenesulfonate).*

18 (42) *Heading 9902.01.99 (relating to monomer*
19 *used in water treatment).*

20 (43) *Heading 9902.02.01 (relating to para tol-*
21 *uene sulfonic acid).*

22 (44) *Heading 9902.02.03 (relating to*
23 *methanesulfonyl chloride).*

24 (45) *Heading 9902.02.04 (relating to 4-chloro-*
25 *3,5-dinitrobenzotrifluoride).*

1 (46) *Heading 9902.02.05 (relating to 2-methyl-5-*
2 *nitrobenzenesulfonic acid).*

3 (47) *Heading 9902.02.06 (relating to triflic*
4 *acid).*

5 (48) *Heading 9902.02.07 (relating to triflic an-*
6 *hydride).*

7 (49) *Heading 9902.02.08 (relating to potassium*
8 *perfluoroethyl cyclohexanesulphonate).*

9 (50) *Heading 9902.02.09 (relating to 2-octanol*
10 *solvent).*

11 (51) *Heading 9902.02.11 (relating to sodium*
12 *methylate powder).*

13 (52) *Heading 9902.02.12 (relating to magnesium*
14 *tert-butoxide).*

15 (53) *Heading 9902.02.13 (relating to propargyl*
16 *alcohol).*

17 (54) *Heading 9902.02.15 (relating to 1,2-*
18 *pentanediol).*

19 (55) *Heading 9902.02.16 (relating to 2,5-*
20 *dimethylhexane-2,5-diol).*

21 (56) *Heading 9902.02.19 (relating to α -naph-*
22 *thol).*

23 (57) *Heading 9902.02.21 (relating to 2-*
24 *phenylphenol).*

1 (58) *Heading 9902.02.22 (relating to Preventol*
2 *ON extra preservative).*

3 (59) *Heading 9902.02.26 (relating to 2,2'-meth-*
4 *ylene-bis-(4-methyl-6-tert-butylphenol)).*

5 (60) *Heading 9902.02.27 (relating to 2,2'-(2-*
6 *methylpropylidene)bis[4,6-dimethyl-phenol]).*

7 (61) *Heading 9902.02.28 (relating to 4,4'-*
8 *butylidenebis(3-methyl-6-tert-butylphenol)).*

9 (62) *Heading 9902.02.29 (relating to 2,5-bis(1,1-*
10 *dimethylpropyl)-1,4-benzenediol).*

11 (63) *Heading 9902.02.30 (relating to tris(2'-*
12 *methyl-4'-hydroxy-5'-t-butylphenyl)butane).*

13 (64) *Heading 9902.02.32 (relating to ortho nitro*
14 *phenol).*

15 (65) *Heading 9902.02.33 (relating to 3-*
16 *trifluoromethyl-4-nitrophenol).*

17 (66) *Heading 9902.02.37 (relating to allyl pen-*
18 *taerythritol).*

19 (67) *Heading 9902.02.38 (relating to t-butyl*
20 *cumyl peroxide).*

21 (68) *Heading 9902.02.39 (relating to dicumyl*
22 *peroxide).*

23 (69) *Heading 9902.02.40 (relating to cumene*
24 *hydroperoxide).*

- 1 (70) *Heading 9902.02.44 (relating to 3,7-*
2 *dimethylocta-2,6-dienal).*
- 3 (71) *Heading 9902.02.47 (relating to*
4 *cyclobutanecarboxaldehyde).*
- 5 (72) *Heading 9902.02.50 (relating to TBMB).*
- 6 (73) *Heading 9902.02.51 (relating to 7-*
7 *hydroxycitronellal).*
- 8 (74) *Heading 9902.02.52 (relating to 2,4-*
9 *disulfobenzaldehyde).*
- 10 (75) *Heading 9902.02.53 (relating to p-*
11 *(trifluoromethyl)benzaldehyde).*
- 12 (76) *Heading 9902.02.55 (relating to (E)-4-*
13 *(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-bute).*
- 14 (77) *Heading 9902.02.57 (relating to 1,3-*
15 *cyclohexanedione).*
- 16 (78) *Heading 9902.02.61 (relating to 5-chloro-1-*
17 *indanone).*
- 18 (79) *Heading 9902.02.64 (relating to 2,4-*
19 *dihydroxybenzophenone).*
- 20 (80) *Heading 9902.02.67 (relating to*
21 *amalanthraquine (AAQ)).*
- 22 (81) *Heading 9902.02.68 (relating to*
23 *nitroanthraquinone).*
- 24 (82) *Heading 9902.02.74 (relating to*
25 *dichloroacetyl chloride).*

- 1 (83) *Heading 9902.02.79 (relating to dilauroyl*
2 *peroxide).*
- 3 (84) *Heading 9902.02.84 (relating to crotonic*
4 *acid).*
- 5 (85) *Heading 9902.02.88 (relating to 4-*
6 *nitrobenzoyl chloride).*
- 7 (86) *Heading 9902.02.89 (relating to methyl*
8 *cinnamate).*
- 9 (87) *Heading 9902.02.90 (relating to peroxide*
10 *used in silicone rubber).*
- 11 (88) *Heading 9902.02.91 (relating to oxalic*
12 *acid).*
- 13 (89) *Heading 9902.02.96 (relating to himic an-*
14 *hydride).*
- 15 (90) *Heading 9902.02.99 (relating to BPDA-U).*
- 16 (91) *Heading 9902.03.06 (relating to*
17 *hydroxypivalic acid neopentyl glycol ester).*
- 18 (92) *Heading 9902.03.10 (relating to gallic*
19 *acid).*
- 20 (93) *Heading 9902.03.19 (relating to*
21 *prohexadione calcium).*
- 22 (94) *Heading 9902.03.21 (relating to*
23 *Dichlorprop-p).*
- 24 (95) *Heading 9902.03.22 (relating to 2,4-DB).*
- 25 (96) *Heading 9902.03.29 (relating to DEDC).*

1 (97) *Heading 9902.03.30 (relating to input for*
2 *high performance films).*

3 (98) *Heading 9902.03.33 (relating to (+)-*
4 *abscisic acid).*

5 (99) *Heading 9902.03.38 (relating to tolclofos*
6 *methyl).*

7 (100) *Heading 9902.03.40 (relating to DMHP).*

8 (101) *Heading 9902.03.42 (relating to anti-*
9 *oxidant/stabilizer).*

10 (102) *Heading 9902.03.43 (relating to Fosetyl-*
11 *Al).*

12 (103) *Heading 9902.03.44 (relating to Perkadox*
13 *16).*

14 (104) *Heading 9902.03.48 (relating to 2-*
15 *ethylhexylamine).*

16 (105) *Heading 9902.03.51 (relating to N,N'-*
17 *bis(3-aminopropyl)ethylenediamine).*

18 (106) *Heading 9902.03.53 (relating to N,N-*
19 *diethyl-1,3-propanediamine).*

20 (107) *Heading 9902.03.54 (relating to 2,4-*
21 *dichloroaniline).*

22 (108) *Heading 9902.03.55 (relating to 4-chloro-*
23 *2-nitroaniline).*

24 (109) *Heading 9902.03.59 (relating to 2,6-*
25 *dichloroaniline).*

1 (110) *Heading 9902.03.60 (relating to N-ethyl-*
2 *N-benzyl aniline).*

3 (111) *Heading 9902.03.62 (relating to p-*
4 *chloroaniline).*

5 (112) *Heading 9902.03.64 (relating to ethyl ben-*
6 *zyl aniline sulfonic acid).*

7 (113) *Heading 9902.03.67 (relating to p-tolu-*
8 *idine).*

9 (114) *Heading 9902.03.68 (relating to*
10 *Benfluralin).*

11 (115) *Heading 9902.03.72 (relating to Butralin).*

12 (116) *Heading 9902.03.73 (relating to 4-amino-*
13 *3-methylbenzenesulfonic acid).*

14 (117) *Heading 9902.03.74 (relating to 2,4-xyli-*
15 *dine).*

16 (118) *Heading 9902.03.75 (relating to mixed*
17 *xylidines).*

18 (119) *Heading 9902.03.76 (relating to dodecyl*
19 *aniline mixed isomers).*

20 (120) *Heading 9902.03.78 (relating to amino*
21 *methyl benzene).*

22 (121) *Heading 9902.03.79 (relating to 2-ethyl-6-*
23 *methylaniline).*

24 (122) *Heading 9902.03.90 (relating to*
25 *dipropoxy-p-toluidine).*

1 (123) *Heading 9902.03.95 (relating to RODA).*

2 (124) *Heading 9902.03.96 (relating to 4-*
3 *methoxy-2-methyldiphenylamine).*

4 (125) *Heading 9902.04.04 (relating to 4-*
5 *chlorophenylglycine).*

6 (126) *Heading 9902.04.05 (relating to 2-amino-*
7 *5-sulfobenzoic acid).*

8 (127) *Heading 9902.04.09 (relating to inter-*
9 *mediate used in herbicides).*

10 (128) *Heading 9902.04.10 (relating to man-*
11 *ganese disodium EDTA).*

12 (129) *Heading 9902.04.11 (relating to sarcosine,*
13 *sodium salt).*

14 (130) *Heading 9902.04.12 (relating to copper di-*
15 *sodium EDTA).*

16 (131) *Heading 9902.04.13 (relating to sodium*
17 *lauriminodipropionate).*

18 (132) *Heading 9902.04.18 (relating to lecithin*
19 *derived from sunflower).*

20 (133) *Heading 9902.04.19 (relating to lecithin*
21 *derived from soybeans).*

22 (134) *Heading 9902.04.24 (relating to tetra-n-*
23 *butylurea).*

24 (135) *Heading 9902.04.26 (relating to certain*
25 *crosslinking agent for powder coatings).*

- 1 (136) *Heading 9902.04.31 (relating to Linuron).*
- 2 (137) *Heading 9902.04.32 (relating to*
3 *carboxyamide function compounds).*
- 4 (138) *Heading 9902.04.33 (relating to*
5 *Chlorpropham).*
- 6 (139) *Heading 9902.04.37 (relating to*
7 *Zoxamide).*
- 8 (140) *Heading 9902.04.41 (relating to*
9 *Cyclanilide).*
- 10 (141) *Heading 9902.04.44 (relating to*
11 *Napropamide).*
- 12 (142) *Holding 9902.04.47 (relating to*
13 *Mandestrobin technical).*
- 14 (143) *Heading 9902.04.50 (relating to*
15 *MMTDCA).*
- 16 (144) *Heading 9902.04.53 (relating to 2-*
17 *chloroacetoacetanilide (AAOCA)).*
- 18 (145) *Heading 9902.04.54 (relating to*
19 *acetoacetyl-2,5-dimethoxy-4-chloroanilide).*
- 20 (146) *Heading 9902.04.72 (relating to*
21 *Cyfluthrin (excluding β -Cyfluthrin)).*
- 22 (147) *Heading 9902.04.73 (relating to*
23 *Cypermethrin).*
- 24 (148) *Heading 9902.04.75 (relating to Alpha-*
25 *Cypermethrin technical).*

- 1 (149) *Heading* 9902.04.83 (*relating to*
2 *aminoazobenzene-p-sulfonic acid*).
- 3 (150) *Heading* 9902.04.91 (*relating to*
4 *Daminozide*).
- 5 (151) *Heading* 9902.04.92 (*relating to*
6 *aminoguanidine bicarbonate*).
- 7 (152) *Heading* 9902.04.95 (*relating to p-*
8 *chlorophenylisocyanate*).
- 9 (153) *Heading* 9902.04.96 (*relating to*
10 *phenylisocyanate*).
- 11 (154) *Heading* 9902.04.99 (*relating to*
12 *Thiobencarb*).
- 13 (155) *Heading* 9902.05.01 (*relating to EPTC*).
- 14 (156) *Heading* 9902.05.02 (*relating to Phosmet*).
- 15 (157) *Heading* 9902.05.06 (*relating to active in-*
16 *gredient for fungicide*).
- 17 (158) *Heading* 9902.05.10 (*relating to 4,6-*
18 *bis(octylthiomethyl)-o-cresol*).
- 19 (159) *Heading* 9902.05.11 (*relating to 4,4'-*
20 *thiobis 2-1,1-dimethylethyl-5-methyl-phenol*).
- 21 (160) *Heading* 9902.05.13 (*relating to thiobis(6-*
22 *tert-butyl-4-methylphenol)*).
- 23 (161) *Heading* 9902.05.21 (*relating to*
24 *thioglycolic acid*).

1 (162) *Heading* 9902.05.22 (*relating to 2-*
2 *mercaptoethanol*).

3 (163) *Heading* 9902.05.30 (*relating to*
4 *triphenylphosphine*).

5 (164) *Heading* 9902.05.31 (*relating to*
6 *Fenbutatin oxide*).

7 (165) *Heading* 9902.05.33 (*relating to ultraviolet*
8 *dye*).

9 (166) *Heading* 9902.05.38 (*relating to MSMA*).

10 (167) *Heading* 9902.05.55 (*relating to*
11 *Ethofumesate*).

12 (168) *Heading* 9902.05.56 (*relating to*
13 *Carbosulfan Technical*).

14 (169) *Heading* 9902.05.57 (*relating to Helional*).

15 (170) *Heading* 9902.05.58 (*relating to reaction*
16 *mixture of (rel-2R,4R)-tetrahydro (pyranol)*).

17 (171) *Heading* 9902.05.61 (*relating to*
18 *Fenpyroximate*).

19 (172) *Heading* 9902.05.64 (*relating to*
20 *Tolfenpyrad*).

21 (173) *Heading* 9902.05.65 (*relating to*
22 *Penflufen*).

23 (174) *Heading* 9902.05.75 (*relating to*
24 *Fenamidone*).

25 (175) *Heading* 9902.05.81 (*relating to Boscalid*).

- 1 (176) *Heading* 9902.05.93 *(relating to*
2 *Triclopyr).*
- 3 (177) *Heading* 9902.05.96 *(relating to Mepiquat*
4 *chloride).*
- 5 (178) *Heading* 9902.05.98 *(relating to Saltidin).*
- 6 (179) *Heading* 9902.06.03 *(relating to*
7 *Pyridalyl).*
- 8 (180) *Heading* 9902.06.08 *(relating to 2-*
9 *acetylnicotinic acid).*
- 10 (181) *Heading* 9902.06.09 *(relating to light sta-*
11 *bilizer).*
- 12 (182) *Heading* 9902.06.12 *(relating to 5-*
13 *methylpyridine-2,3-dicarboxylic acid (5-MPDC)).*
- 14 (183) *Heading* 9902.06.26 *(relating to*
15 *Quinaldine).*
- 16 (184) *Heading* 9902.06.28 *(relating to Terbacil).*
- 17 (185) *Heading* 9902.06.29 *(relating to*
18 *Bispyribac sodium).*
- 19 (186) *Heading* 9902.06.36 *(relating to*
20 *Pirimiphos-methyl).*
- 21 (187) *Heading* 9902.06.42 *(relating to*
22 *phenyl(4,6-dimethoxy-pyrimidin-2-yl)carbamate).*
- 23 (188) *Heading* 9902.06.43 *(relating to*
24 *Methylidouracil).*

1 (189) *Heading 9902.06.48 (relating to 2-amino-*
2 *4,6-dimethylpyrimidine).*

3 (190) *Heading 9902.06.50 (relating to cyanuric*
4 *chloride).*

5 (191) *Heading 9902.06.55 (relating to*
6 *Simazine).*

7 (192) *Heading 9902.06.62 (relating to tris (2-hy-*
8 *droxyethyl) isocyanurate (THEIC)).*

9 (193) *Heading 9902.06.63 (relating to 2-amino-*
10 *4-methoxy-6-methyl-1,3,5-triazine).*

11 (194) *Heading 9902.06.64 (relating to 4-*
12 *methoxy-N,6-dimethyl-1,3,5-triazin-2-amine).*

13 (195) *Heading 9902.06.65 (relating to triallyl*
14 *cyanurate).*

15 (196) *Heading 9902.06.71 (relating to*
16 *Fenbuconazole fungicide).*

17 (197) *Heading 9902.06.72 (relating to*
18 *Fenazaquin).*

19 (198) *Heading 9902.06.74 (relating to*
20 *Pyridaben).*

21 (199) *Heading 9902.06.79 (relating to*
22 *Triticonazole).*

23 (200) *Heading 9902.06.83 (relating to*
24 *Carbendazim).*

1 (201) *Heading* 9902.06.86 (*relating to*
2 *Tetraconazole*).

3 (202) *Heading* 9902.06.92 (*relating to 2-[3-(2H-*
4 *benzotriazol-2-yl)-4-hydroxyphenyl]ethyl methacry-*
5 *late*).

6 (203) *Heading* 9902.06.96 (*relating to*
7 *PolyAziridine PZ-33*).

8 (204) *Heading* 9902.06.98 (*relating to 5-amino-*
9 *1,2-dihydro-3H-1,2,4-triazole-3-thione*).

10 (205) *Heading* 9902.07.09 (*relating to 2-*
11 *mercaptobenzothiazole*).

12 (206) *Heading* 9902.07.10 (*relating to corrosion*
13 *inhibitor*).

14 (207) *Heading* 9902.07.11 (*relating to 2-amino*
15 *4-methyl benzothiazole*).

16 (208) *Heading* 9902.07.12 (*relating to accel-*
17 *erator for rubber production*).

18 (209) *Heading* 9902.07.17 (*relating to*
19 *Carboxin*).

20 (210) *Heading* 9902.07.18 (*relating to 1,2-*
21 *benzisothiazolin-3(2H)-one,2-butyl*).

22 (211) *Heading* 9902.07.19 (*relating to 4-[3-(4-*
23 *chlorophenyl)-3-(3,4-dimethoxyph)*).

24 (212) *Heading* 9902.07.23 (*relating to*
25 *Bentazon*).

1 (213) *Heading 9902.07.25 (relating to*
2 *Topramezone).*

3 (214) *Heading 9902.07.34 (relating to OBPA).*

4 (215) *Heading 9902.07.48 (relating to 2-amino-*
5 *3-cyanothiophene).*

6 (216) *Heading 9902.07.49 (relating to*
7 *Tebuthiuron technical).*

8 (217) *Heading 9902.07.51 (relating to perform-*
9 *ance fluid).*

10 (218) *Heading 9902.07.52 (relating to*
11 *Etridiazole).*

12 (219) *Heading 9902.07.59 (relating to para-tol-*
13 *uene sulphonyl hydrazide).*

14 (220) *Heading 9902.07.61 (relating to*
15 *Sulfometuron-methyl).*

16 (221) *Heading 9902.07.63 (relating to Tosyl-4-*
17 *CPP).*

18 (222) *Heading 9902.07.64 (relating to Asulam).*

19 (223) *Heading 9902.07.67 (relating to methyl 2-*
20 *(aminosulfonyl) benzoate).*

21 (224) *Heading 9902.07.68 (relating to methyl 3-*
22 *sulfamoylthiophene-2-carboxylate).*

23 (225) *Heading 9902.07.69 (relating to 3-*
24 *(ethylsulfonyl)-2-pyridinesulfonamide).*

1 (226) *Heading 9902.07.70 (relating to carbamic*
2 *acid, N-[[3-[(dimethyl...)-, phenyl ester).*

3 (227) *Heading 9902.07.81 (relating to black car-*
4 *rot color concentrate).*

5 (228) *Heading 9902.07.82 (relating to purple*
6 *sweet potato color concentrate).*

7 (229) *Heading 9902.07.83 (relating to red cab-*
8 *bage color concentrate).*

9 (230) *Heading 9902.07.84 (relating to red radish*
10 *color concentrate).*

11 (231) *Heading 9902.08.09 (relating to Disperse*
12 *Blue 77).*

13 (232) *Heading 9902.08.11 (relating to Disperse*
14 *Red 60).*

15 (233) *Heading 9902.08.16 (relating to Acid*
16 *Black 194).*

17 (234) *Heading 9902.08.18 (relating to acid dye*
18 *for Pigment Red 144).*

19 (235) *Heading 9902.08.39 (relating to indigo,*
20 *Vat Blue 1).*

21 (236) *Heading 9902.08.40 (relating to Pigment*
22 *Orange 43/Vat Orange 7).*

23 (237) *Heading 9902.08.43 (relating to Vat Blue*
24 *19).*

1 (238) *Heading 9902.08.45 (relating to Vat Blue*
2 *1, reduced).*

3 (239) *Heading 9902.08.46 (relating to*
4 *isoviolanthrone-Vat Violet 10).*

5 (240) *Heading 9902.08.47 (relating to Vat Blue*
6 *4).*

7 (241) *Heading 9902.08.57 (relating to Reactive*
8 *Red 180).*

9 (242) *Heading 9902.08.61 (relating to G500 blue*
10 *crude).*

11 (243) *Heading 9902.08.65 (relating to Solvent*
12 *Orange 63).*

13 (244) *Heading 9902.08.69 (relating to Solvent*
14 *Red 179).*

15 (245) *Heading 9902.08.71 (relating to Solvent*
16 *Violet 13 (CI 60725)).*

17 (246) *Heading 9902.08.72 (relating to Solvent*
18 *Yellow 195).*

19 (247) *Heading 9902.08.73 (relating to Solvent*
20 *Yellow 163).*

21 (248) *Heading 9902.08.74 (relating to Solvent*
22 *Red 227).*

23 (249) *Heading 9902.08.75 (relating to Solvent*
24 *Red 169).*

1 (250) *Heading 9902.08.76 (relating to Solvent*
2 *Yellow 114).*

3 (251) *Heading 9902.08.77 (relating to Solvent*
4 *Orange 60).*

5 (252) *Heading 9902.08.78 (relating to Solvent*
6 *Red 135).*

7 (253) *Heading 9902.08.79 (relating to Solvent*
8 *Blue 35).*

9 (254) *Heading 9902.08.81 (relating to 2,4-*
10 *dinitrophenol).*

11 (255) *Heading 9902.08.84 (relating to optical*
12 *brightener).*

13 (256) *Heading 9902.08.85 (relating to whitening*
14 *agent).*

15 (257) *Heading 9902.08.87 (relating to organic*
16 *luminescent pigments and dyes).*

17 (258) *Heading 9902.08.88 (relating to phos-*
18 *phorescent pigments zinc sulfide, copper doped).*

19 (259) *Heading 9902.09.01 (relating to cold*
20 *pressed grapefruit oil).*

21 (260) *Heading 9902.09.02 (relating to oil of*
22 *lemon eucalyptus (OLE)).*

23 (261) *Heading 9902.09.03 (relating to ADV 7800*
24 *S-ME).*

1 (262) *Heading 9902.09.04 (relating to surfac-*
2 *tant).*

3 (263) *Heading 9902.09.05 (relating to ADV 7850*
4 *A-ME).*

5 (264) *Heading 9902.09.06 (relating to ADV 7800*
6 *S-W).*

7 (265) *Heading 9902.09.09 (relating to certain*
8 *esters).*

9 (266) *Heading 9902.09.12 (relating to surfactant*
10 *used in pesticides).*

11 (267) *Heading 9902.09.14 (relating to sparklers).*

12 (268) *Heading 9902.09.17 (relating to poly pale*
13 *ester 10).*

14 (269) *Heading 9902.09.18 (relating to DymereX).*

15 (270) *Heading 9902.09.26 (relating to*
16 *Tetrachlorvinfos formulations).*

17 (271) *Heading 9902.09.27 (relating to mixtures*
18 *of Clofentezine).*

19 (272) *Heading 9902.09.32 (relating to zinc phos-*
20 *phate formulations).*

21 (273) *Heading 9902.09.39 (relating to formu-*
22 *lated Methomyl).*

23 (274) *Heading 9902.09.47 (relating to mixtures*
24 *of Oxathiapiprolin).*

1 (275) *Heading 9902.09.65 (relating to product*
2 *for post-harvest fruit treatment).*

3 (276) *Heading 9902.09.67 (relating to mixtures*
4 *of Famoxadone, Cymoxanil, and application adju-*
5 *vants).*

6 (277) *Heading 9902.09.73 (relating to Ziram).*

7 (278) *Heading 9902.09.74 (relating to Thiram).*

8 (279) *Heading 9902.09.82 (relating to Dodine*
9 *mixtures.)*

10 (280) *Heading 9902.09.83 (relating to packs*
11 *used in fruit treatment).*

12 (281) *Heading 9902.09.91 (relating to*
13 *Pyraflufen ethyl 40 percent (ET MB 40)).*

14 (282) *Heading 9902.09.97 (relating to*
15 *Napropamide formulations).*

16 (283) *Heading 9902.09.98 (relating to*
17 *Sulfometuron-methyl formulations).*

18 (284) *Heading 9902.10.16 (relating to granular*
19 *herbicide).*

20 (285) *Heading 9902.10.18 (relating to*
21 *Fosamine).*

22 (286) *Heading 9902.10.20 (relating to 5-amino-*
23 *1,3-dihydro-2H-benzimidazol-2-one).*

24 (287) *Heading 9902.10.26 (relating to mixture*
25 *used in vulcanization).*

1 (288) *Heading 9902.10.34 (relating to reaction*
2 *products of phosphorus trichloride).*

3 (289) *Heading 9902.10.38 (relating to potassium*
4 *methylate solution).*

5 (290) *Heading 9902.10.39 (relating to additive*
6 *for use in dish cleaning formulations).*

7 (291) *Heading 9902.10.43 (relating to glycol*
8 *ester).*

9 (292) *Heading 9902.10.46 (relating to lauryl-*
10 *cetyl alcohol).*

11 (293) *Heading 9902.10.52 (relating to polymeric*
12 *ester blend).*

13 (294) *Heading 9902.10.53 (relating to CE-*
14 *1618BL methyl palmitate/oleate).*

15 (295) *Heading 9902.10.58 (relating to speciality*
16 *monomers).*

17 (296) *Heading 9902.10.60 (relating to sodium*
18 *ethylate).*

19 (297) *Heading 9902.10.63 (relating to synthetic*
20 *acid washed beta zeolite powder).*

21 (298) *Heading 9902.10.70 (relating to amor-*
22 *phous alpha olefin with high softening point).*

23 (299) *Heading 9902.10.71 (relating to*
24 *polymethylpentene (PMP) polyolefin copolymer).*

1 (300) *Heading 9902.10.72 (relating to light sta-*
2 *bilizer).*

3 (301) *Heading 9902.10.73 (relating to non-*
4 *functionalized polybutadiene).*

5 (302) *Heading 9902.10.78 (relating to vinyl*
6 *chloride-hydroxypropyl acrylate copolymer).*

7 (303) *Heading 9902.10.80 (relating to S02F*
8 *melt processable resin).*

9 (304) *Heading 9902.10.85 (relating to material*
10 *used in paper coatings).*

11 (305) *Heading 9902.10.89 (relating to esters for*
12 *use in coatings).*

13 (306) *Heading 9902.10.92 (relating to lubricant*
14 *for use in media).*

15 (307) *Heading 9902.10.94 (relating to ingredient*
16 *used in transdermal patches).*

17 (308) *Heading 9902.10.99 (relating to vinyl ace-*
18 *tate-alkeneoic acid copolymer).*

19 (309) *Heading 9902.11.03 (relating to product*
20 *used in coatings and adhesives).*

21 (310) *Heading 9902.11.05 (relating to polymeric*
22 *sulfonic acid).*

23 (311) *Heading 9902.11.06 (relating to 2-prope-*
24 *noic acid, sodium salt).*

1 (312) *Heading 9902.11.07 (relating to poly(butyl*
2 *methacrylate).*

3 (313) *Heading 9902.11.08 (relating to poly(ethyl*
4 *acrylate-co-methyl methacrylate)).*

5 (314) *Heading 9902.11.09 (relating to*
6 *poly(methacrylic acid-co-methyl methacrylate) 1:1).*

7 (315) *Heading 9902.11.10 (relating to*
8 *poly(methyl acrylate-co-methyl methacrylate).*

9 (316) *Heading 9902.11.17 (relating to sorbitol*
10 *diglycidyl ether epoxide resin).*

11 (317) *Heading 9902.11.20 (relating to linear ali-*
12 *phatic polycarbonate polyester).*

13 (318) *Heading 9902.11.30 (relating to products*
14 *for enhancing optical transparency).*

15 (319) *Heading 9902.11.31 (relating to polyamide*
16 *powders).*

17 (320) *Heading 9902.11.32 (relating to formula-*
18 *tion for use in thermoplastic injection molding).*

19 (321) *Heading 9902.11.33 (relating to formula-*
20 *tion for use in plastics applications).*

21 (322) *Heading 9902.11.35 (relating to Phenol, 4-*
22 *(1,1-dimethylethyl)-,polymer with formaldehyde).*

23 (323) *Heading 9902.11.38 (relating to poly-*
24 *urethane hardener).*

1 (324) *Heading 9902.11.39 (relating to H12MDI*
2 *based aliphatic polyisocyanate).*

3 (325) *Heading 9902.11.40 (relating to TDI*
4 *based blocked aromatic polyisocyanate).*

5 (326) *Heading 9902.11.41 (relating to self-cross*
6 *linking, stoving polyurethane resin).*

7 (327) *Heading 9902.11.46 (relating to aliphatic/*
8 *aromatic polyisocyanate copolymer).*

9 (328) *Heading 9902.11.47 (relating to TDI*
10 *based aromatic polyisocyanate).*

11 (329) *Heading 9902.11.48 (relating to water-dis-*
12 *persible HDI based polyisocyanate).*

13 (330) *Heading 9902.11.58 (relating to industrial*
14 *nitrocellulose (damped alcohol content of 33–37%).)*

15 (331) *Heading 9902.11.60 (relating to propylene*
16 *glycol alginate (PGA)).*

17 (332) *Heading 9902.11.61 (relating to alginic*
18 *acid and other alginates).*

19 (333) *Heading 9902.11.63 (relating to sodium*
20 *hyaluronate).*

21 (334) *Heading 9902.11.64 (relating to weak acid*
22 *cation ion-exchange resin).*

23 (335) *Heading 9902.11.65 (relating to weak acid*
24 *macroporous cation ion-exchange resins).*

1 (336) *Heading 9902.11.87 (relating to regen-*
2 *erated cellulose sheets for industrial sponges).*

3 (337) *Heading 9902.11.95 (relating to single*
4 *wrapped cutlery joined by a skewer).*

5 (338) *Heading 9902.11.98 (relating to plastic*
6 *pet crate pan).*

7 (339) *Heading 9902.12.01 (relating to boxing*
8 *and mixed martial arts gloves of plastic).*

9 (340) *Heading 9902.12.06 (relating to plastic*
10 *non-skid base rings for toilet brush caddies).*

11 (341) *Heading 9902.12.12 (relating to head*
12 *straps and quickclips for cameras).*

13 (342) *Heading 9902.12.16 (relating to frame*
14 *mounts for cameras).*

15 (343) *Heading 9902.12.17 (relating to large tube*
16 *mounts for cameras).*

17 (344) *Heading 9902.12.21 (relating to replace-*
18 *ment camera doors).*

19 (345) *Heading 9902.12.22 (relating to seatpost*
20 *camera mounts).*

21 (346) *Heading 9902.12.23 (relating to adhesive*
22 *camera mounts).*

23 (347) *Heading 9902.12.27 (relating to sets of as-*
24 *sorted plastic camera mounts).*

1 (348) *Heading 9902.12.35 (relating to life jackets*
2 *for pets).*

3 (349) *Heading 9902.12.37 (relating to doll dia-*
4 *per bags).*

5 (350) *Heading 9902.12.40 (relating to doll car-*
6 *riers without windows).*

7 (351) *Heading 9902.12.53 (relating to plastic*
8 *cases for electronic games or accessories).*

9 (352) *Heading 9902.12.60 (relating to boxing*
10 *and mixed martial arts gloves of leather).*

11 (353) *Heading 9902.12.64 (relating to women's*
12 *leather belts valued at \$7 or more).*

13 (354) *Heading 9902.12.66 (relating to woven*
14 *bamboo products).*

15 (355) *Heading 9902.12.67 (relating to woven*
16 *wood products).*

17 (356) *Heading 9902.12.69 (relating to cashmere,*
18 *not carded or combed).*

19 (357) *Heading 9902.12.70 (relating to camel*
20 *hair, not carded or combed).*

21 (358) *Heading 9902.12.71 (relating to camel*
22 *hair).*

23 (359) *Heading 9902.12.72 (relating to noils of*
24 *camel hair).*

1 (360) *Heading 9902.12.73 (relating to cashmere,*
2 *carded or combed).*

3 (361) *Heading 9902.12.74 (relating to camel*
4 *hair, carded or combed).*

5 (362) *Heading 9902.12.75 (relating to yarn of*
6 *carded cashmere, with a yarn count of 19.35 metric*
7 *or higher).*

8 (363) *Heading 9902.12.76 (relating to yarn of*
9 *carded cashmere, with a yarn count of less than 19.35*
10 *metric).*

11 (364) *Heading 9902.12.77 (relating to yarn of*
12 *carded camel hair).*

13 (365) *Heading 9902.12.78 (relating to yarn of*
14 *combed cashmere or yarn of camel hair).*

15 (366) *Heading 9902.12.79 (relating to woven*
16 *fabric of carded vicuna hair of a weight not exceeding*
17 *300 g/m²).*

18 (367) *Heading 9902.12.83 (relating to produc-*
19 *tion roll bleached woven cotton gauze).*

20 (368) *Heading 9902.12.84 (relating to bleached*
21 *pique fabric).*

22 (369) *Heading 9902.12.85 (relating to dyed*
23 *pique fabric).*

1 (370) *Heading 9902.12.89 (relating to high te-*
2 *nacity single rayon yarn with a decitex equal to or*
3 *greater than 1,000).*

4 (371) *Heading 9902.12.90 (relating to high te-*
5 *nacity single rayon yarn with a decitex less than*
6 *1,000).*

7 (372) *Heading 9902.12.91 (relating to high te-*
8 *nacity multiple or cabled rayon yarn).*

9 (373) *Heading 9902.12.92 (relating to single*
10 *yarn of viscose rayon).*

11 (374) *Heading 9902.12.93 (relating to twisted*
12 *yarn of viscose rayon).*

13 (375) *Heading 9902.12.97 (relating to elastic,*
14 *water-repellent woven polyester fabric).*

15 (376) *Heading 9902.12.98 (relating to acrylic*
16 *fiber tow with an average decitex of between 2 and 5).*

17 (377) *Heading 9902.12.99 (relating to acrylic*
18 *filament tow with an average decitex of 2.2).*

19 (378) *Heading 9902.13.01 (relating to acrylic*
20 *fiber tow with an average decitex of 3.3).*

21 (379) *Heading 9902.13.05 (relating to acrylic*
22 *filament tow with a decitex of 3.3).*

23 (380) *Heading 9902.13.06 (relating to acrylic or*
24 *modacrylic staple fibers, not processed).*

1 (381) *Heading 9902.13.07 (relating to*
2 *modacrylic staple fibers with an average decitex of 2.2*
3 *and a fiber length of 38 mm).*

4 (382) *Heading 9902.13.08 (relating to*
5 *modacrylic staple fibers with an average decitex of 2.2*
6 *and a fiber length of 51 mm).*

7 (383) *Heading 9902.13.09 (relating to*
8 *modacrylic staple fibers with an average decitex of 1.7*
9 *and a fiber length of 51 mm).*

10 (384) *Heading 9902.13.10 (relating to acrylic*
11 *staple fibers with an average decitex of 1.3 and a*
12 *fiber length of 38 mm).*

13 (385) *Heading 9902.13.11 (relating to acrylic*
14 *staple fibers with an average decitex of 1.3 and a*
15 *fiber length of 40 mm).*

16 (386) *Heading 9902.13.12 (relating to synthetic*
17 *staple fibers not processed for spinning).*

18 (387) *Heading 9902.13.13 (relating to acrylic*
19 *staple fibers with a fiber length between 40 and 47.5*
20 *mm and a solar reflectance index less than 10).*

21 (388) *Heading 9902.13.14 (relating to acrylic*
22 *staple fibers with a fiber length between 40 and 47.5*
23 *mm and a solar reflectance index between 10 and 30).*

1 (389) *Heading 9902.13.16 (relating to acrylic*
2 *staple fibers with a fiber length between 48 and 60*
3 *mm and a solar reflectance index less than 10).*

4 (390) *Heading 9902.13.17 (relating to acrylic*
5 *staple fibers with a fiber length between 48 and 60*
6 *mm and a solar reflectance index between 10 and 30).*

7 (391) *Heading 9902.13.18 (relating to acrylic*
8 *staple fibers with a fiber length between 48 and 60*
9 *mm and a solar reflectance index greater than 30).*

10 (392) *Heading 9902.13.22 (relating to modified*
11 *acrylic flame retardant staple fiber with a decitex of*
12 *3.9).*

13 (393) *Heading 9902.13.25 (relating to cellulosic*
14 *man-made viscose rayon staple fiber).*

15 (394) *Heading 9902.13.27 (relating to certain*
16 *staple fibers of viscose rayon).*

17 (395) *Heading 9902.13.30 (relating to flame re-*
18 *tardant viscose rayon staple fibers, with decitex of 3.3*
19 *and length of 60 mm).*

20 (396) *Heading 9902.13.32 (relating to flame re-*
21 *tardant viscose rayon staple fibers, with a decitex of*
22 *2.2 and length of 38 mm).*

23 (397) *Heading 9902.13.37 (relating to acrylic or*
24 *modacrylic staple fibers, processed and with a decitex*
25 *of 11.0).*

1 (398) *Heading 9902.13.39 (relating to rayon*
2 *top).*

3 (399) *Heading 9902.13.40 (relating to woven*
4 *fabrics of certain synthetic fibers).*

5 (400) *Heading 9902.13.43 (relating to heat ex-*
6 *change capillary material).*

7 (401) *Heading 9902.13.48 (relating to men's or*
8 *boys' silk knit pullovers and cardigans).*

9 (402) *Heading 9902.13.52 (relating to neoprene*
10 *guard socks).*

11 (403) *Heading 9902.13.55 (relating to boys'*
12 *woven manmade fiber coats, 36 percent or more of*
13 *wool).*

14 (404) *Heading 9902.13.70 (relating to batting*
15 *gloves of manmade fibers).*

16 (405) *Heading 9902.13.72 (relating to fishing*
17 *wader pocket pouches).*

18 (406) *Heading 9902.13.73 (relating to nylon*
19 *wool packs).*

20 (407) *Heading 9902.13.86 (relating to bee nets).*

21 (408) *Heading 9902.13.87 (relating to camera*
22 *chest harnesses).*

23 (409) *Heading 9902.13.90 (relating to camera*
24 *wrist strap mounts).*

1 (410) *Heading 9902.13.95 (relating to men's*
2 *protective active footwear with outer soles and uppers*
3 *of rubber or plastic).*

4 (411) *Heading 9902.13.96 (relating to women's*
5 *protective active shoes, covering the ankle).*

6 (412) *Heading 9902.13.97 (relating to women's*
7 *protective active footwear, valued over \$26 per pair,*
8 *covering the ankle).*

9 (413) *Heading 9902.14.05 (relating to footwear*
10 *made on a base or platform of wood).*

11 (414) *Heading 9902.14.12 (relating to women's*
12 *protective active footwear, not covering the ankle, val-*
13 *ued over \$24 per pair).*

14 (415) *Heading 9902.14.13 (relating to women's*
15 *protective active footwear, not covering the ankle, val-*
16 *ued over \$26 per pair).*

17 (416) *Heading 9902.14.16 (relating to children's*
18 *footwear with waterproof soles, not covering the ankle,*
19 *valued over \$18 per pair).*

20 (417) *Heading 9902.14.19 (relating to men's &*
21 *boys' golf shoes with waterproof soles).*

22 (418) *Heading 9902.14.23 (relating to men's wa-*
23 *terproof leather footwear, valued at \$29 per pair or*
24 *higher).*

1 (419) *Heading 9902.14.25 (relating to women's*
2 *Oxford-style composite safety toe footwear).*

3 (420) *Heading 9902.14.26 (relating to footwear*
4 *for other persons, with leather uppers, valued at \$20*
5 *per pair or higher).*

6 (421) *Heading 9902.14.34 (relating to ski boots*
7 *and snowboard boots).*

8 (422) *Heading 9902.14.37 (relating to men's*
9 *boots for fishing waders).*

10 (423) *Heading 9902.14.48 (relating to house*
11 *slippers with textile uppers).*

12 (424) *Heading 9902.14.56 (relating to removable*
13 *footwear neoprene cuffs).*

14 (425) *Heading 9902.14.63 (relating to hats con-*
15 *taining less than 23 percent or more of wool).*

16 (426) *Heading 9902.14.67 (relating to plastic*
17 *plants for aquariums/terrariums).*

18 (427) *Heading 9902.14.76 (relating to polished*
19 *wired glass in rectangular sheets).*

20 (428) *Heading 9902.14.77 (relating to meniscus-*
21 *shaped drawn glass-ceramic discs).*

22 (429) *Heading 9902.14.79 (relating to trans-*
23 *parent glass-ceramic cookware).*

24 (430) *Heading 9902.14.85 (relating to chopped*
25 *strands of glass).*

1 (431) *Heading 9902.14.89 (relating to strips*
2 *consisting of silver and tin).*

3 (432) *Heading 9902.14.98 (relating to small*
4 *metal wire crates for dogs).*

5 (433) *Heading 9902.15.05 (relating to side press*
6 *wringer handles).*

7 (434) *Heading 9902.15.07 (relating to isosceles*
8 *triangle wire).*

9 (435) *Heading 9902.15.10 (relating to zinc*
10 *punches).*

11 (436) *Heading 9902.15.12 (relating to gallium*
12 *unwrought in solid form).*

13 (437) *Heading 9902.15.15 (relating to gear driv-*
14 *en one-handed pruners).*

15 (438) *Heading 9902.15.17 (relating to swivel*
16 *head grass shears).*

17 (439) *Heading 9902.15.30 (relating to pet*
18 *grooming scissors).*

19 (440) *Heading 9902.15.34 (relating to manicure*
20 *and pedicure sets).*

21 (441) *Heading 9902.15.45 (relating to cast iron*
22 *crankcases).*

23 (442) *Heading 9902.15.46 (relating to cylinder*
24 *heads used solely or principally with marine compres-*
25 *sion ignition engines).*

1 (443) *Heading 9902.15.47 (relating to pistons).*

2 (444) *Heading 9902.15.49 (relating to high pres-*
3 *sure pumps).*

4 (445) *Heading 9902.15.55 (relating to exhaust*
5 *fans for permanent installation).*

6 (446) *Heading 9902.15.57 (relating to household*
7 *range hoods).*

8 (447) *Heading 9902.15.58 (relating to pre-as-*
9 *sembled pedestal fan column assemblies).*

10 (448) *Heading 9902.15.59 (relating to grilles for*
11 *exhaust fans).*

12 (449) *Heading 9902.15.66 (relating to pressure*
13 *distillation columns).*

14 (450) *Heading 9902.15.68 (relating to mobile*
15 *sprinklers).*

16 (451) *Heading 9902.15.75 (relating to benchtop*
17 *band saws).*

18 (452) *Heading 9902.15.76 (relating to certain*
19 *stationary band saws).*

20 (453) *Heading 9902.15.77 (relating to tilting*
21 *arbor table saws).*

22 (454) *Heading 9902.15.78 (relating to certain*
23 *table saws with 10 inch (25.4 cm) blade).*

24 (455) *Heading 9902.15.80 (relating to drill*
25 *presses).*

1 (456) *Heading 9902.15.81 (relating to electrical*
2 *rotary drill, hammer and chiseling tools).*

3 (457) *Heading 9902.15.89 (relating to telescope*
4 *mirror segment support assemblies).*

5 (458) *Heading 9902.15.93 (relating to regulator*
6 *valves).*

7 (459) *Heading 9902.15.97 (relating to used cam-*
8 *shafts and crankshafts for diesel engines).*

9 (460) *Heading 9902.15.99 (relating to crankshaft*
10 *bearings).*

11 (461) *Heading 9902.16.03 (relating to flexplates*
12 *for engines).*

13 (462) *Heading 9902.16.11 (relating to motor as-*
14 *semblies for air circulator electric fans).*

15 (463) *Heading 9902.16.12 (relating to motors for*
16 *high wattage fans).*

17 (464) *Heading 9902.16.13 (relating to alter-*
18 *nating current multiphase submersible pump motors*
19 *with output between 3 kilowatts and 14.92 kilowatts).*

20 (465) *Heading 9902.16.14 (relating to alter-*
21 *nating current multiphase submersible pump motors*
22 *with output between 149.2 kilowatts and 150 kilo-*
23 *watts).*

24 (466) *Heading 9902.16.15 (relating to alter-*
25 *nating current generators for exercise equipment).*

1 (467) *Heading 9902.16.26 (relating to*
2 *electromechanical knives.)*

3 (468) *Heading 9902.16.28 (relating to automatic*
4 *food feeders for dogs and cats).*

5 (469) *Heading 9902.16.30 (relating to automatic*
6 *fish feeders).*

7 (470) *Heading 9902.16.39 (relating to alterna-*
8 *tors).*

9 (471) *Heading 9902.16.42 (relating to bulb heat-*
10 *ers with or without a fan).*

11 (472) *Heading 9902.16.49 (relating to micro-*
12 *wave ovens with 53 to 55 liter capacity and integral*
13 *range hood).*

14 (473) *Heading 9902.16.50 (relating to micro-*
15 *wave ovens with 58 to 60 liter capacity and integral*
16 *range hoods).*

17 (474) *Heading 9902.16.52 (relating to micro-*
18 *wave ovens with 53 to 55 liter capacity, glass turn-*
19 *table plate, and integral range hood).*

20 (475) *Heading 9902.16.53 (relating to micro-*
21 *wave ovens with 56 to 58 liter capacity and integral*
22 *range hood).*

23 (476) *Heading 9902.16.54 (relating to micro-*
24 *wave ovens with rectangular plate and integral range*
25 *hood).*

1 (477) *Heading 9902.16.55 (relating to vertical*
2 *waffle makers).*

3 (478) *Heading 9902.16.56 (relating to*
4 *multifunction grills).*

5 (479) *Heading 9902.16.57 (relating to electric*
6 *sandwich grillers).*

7 (480) *Heading 9902.16.64 (relating to front-*
8 *loading coffee makers).*

9 (481) *Heading 9902.16.66 (relating to built-in*
10 *coffee machines).*

11 (482) *Heading 9902.16.75 (relating to program-*
12 *mable slow cookers with thermometer probe).*

13 (483) *Heading 9902.16.76 (relating to electric*
14 *pressure cookers rated more than 1000W but not more*
15 *than 1200W, with a capacity of not less than 5 li-*
16 *ters).*

17 (484) *Heading 9902.16.77 (relating to electric*
18 *rice cookers).*

19 (485) *Heading 9902.16.78 (relating to electric*
20 *pressure cookers rated more than 1200W but not more*
21 *than 1400W, with a capacity of not less than 5 li-*
22 *ters).*

23 (486) *Heading 9902.16.81 (relating to candle*
24 *warmers).*

1 (487) *Heading 9902.16.90 (relating to chassis or*
2 *shelving containing backplane).*

3 (488) *Heading 9902.16.95 (relating to mirror*
4 *segment controller sensors).*

5 (489) *Heading 9902.17.03 (relating to used gear*
6 *boxes for certain vehicles).*

7 (490) *Heading 9902.17.07 (relating to stand-up*
8 *bicycles, having both wheels not exceeding 63.5cm in*
9 *diameter).*

10 (491) *Heading 9902.17.08 (relating to elliptical*
11 *cycles, with wheels not exceeding 63.5 cm in diame-*
12 *ter).*

13 (492) *Heading 9902.17.17 (relating to swim gog-*
14 *gles).*

15 (493) *Heading 9902.17.19 (relating to LCD tele-*
16 *vision panel assemblies, with a video display meas-*
17 *uring not over 58.42 cm).*

18 (494) *Heading 9902.17.20 (relating to LCD tele-*
19 *vision panel assemblies, with a video display meas-*
20 *uring over 58.42 cm but not over 78.74 cm).*

21 (495) *Heading 9902.17.21 (relating to LCD tele-*
22 *vision panel assemblies, with a video display meas-*
23 *uring over 78.74 cm but not over 81.28 cm).*

1 (496) *Heading 9902.17.22 (relating to LCD tele-*
2 *vision panel assemblies, with a video display meas-*
3 *uring over 81.28 cm but not over 99.06 cm).*

4 (497) *Heading 9902.17.23 (relating to LCD tele-*
5 *vision panel assemblies, with a video display meas-*
6 *uring over 99.06 cm but not over 101.6 cm).*

7 (498) *Heading 9902.17.28 (relating to bicycle*
8 *speedometers).*

9 (499) *Heading 9902.17.47 (relating to light*
10 *emitting diode (LED) hanging lamps with total in-*
11 *ternal reflection).*

12 (500) *Heading 9902.17.49 (relating to electric*
13 *table or desk light emitting diode (LED) task lamps*
14 *with ball joints).*

15 (501) *Heading 9902.17.52 (relating to exterior*
16 *emergency lights).*

17 (502) *Heading 9902.17.53 (relating to wing illu-*
18 *mination lights).*

19 (503) *Heading 9902.17.54 (relating to lantern*
20 *globes of extruded borosilicate glass).*

21 (504) *Heading 9902.17.56 (relating to golf club*
22 *driver heads with a loft of 9.5 degrees).*

23 (505) *Heading 9902.17.64 (relating to golf club*
24 *heads with a loft greater than 56 degrees).*

1 (506) *Heading 9902.17.65 (relating to golf club*
2 *putter heads).*

3 (507) *Heading 9902.17.70 (relating to tennis*
4 *rackets, strung).*

5 (508) *Heading 9902.17.72 (relating to*
6 *racquetball rackets).*

7 (509) *Heading 9902.17.73 (relating to squash*
8 *rackets).*

9 (510) *Heading 9902.17.76 (relating to leather*
10 *basketballs).*

11 (511) *Heading 9902.17.78 (relating to*
12 *racquetballs).*

13 (512) *Heading 9902.17.84 (relating to speed bags*
14 *and related equipment).*

15 (513) *Heading 9902.17.86 (relating to certain*
16 *bluetooth enabled adjustable dumbbells).*

17 (514) *Heading 9902.17.92 (relating to boxing*
18 *and mixed martial arts protective equipment).*

19 (515) *Heading 9902.17.94 (relating to fishing*
20 *reels valued more than \$2.70 but not more than*
21 *\$8.45, pre-spooled, with rod).*

22 (516) *Heading 9902.17.95 (relating to hair-slides*
23 *with imitation pearls or stones).*

24 ***(b) MODIFICATION TO ARTICLE DESCRIPTIONS.—***

1 (1) *COCONUT WATER IN PAPER CARTONS.*—
2 *Heading 9902.01.15 is amended—*

3 (A) *by amending the article description to*
4 *read as follows: “Coconut water, not from con-*
5 *centrate, not containing added sugar or other*
6 *sweetening matter, packaged for retail sale in*
7 *paper-based cartons (provided for in subheading*
8 *2009.89.70)”*; and

9 (B) *by striking “12/31/2020” and inserting*
10 *“12/31/2023”.*

11 (2) *FLAVORED COCONUT WATER.*—*Heading*
12 *9902.01.16 is amended—*

13 (A) *by amending the article description to*
14 *read as follows: “Coconut water not from con-*
15 *centrate, flavored, packaged for retail sale (pro-*
16 *vided for in subheading 2009.89.70)”*; and

17 (B) *by striking “12/31/2020” and inserting*
18 *“12/31/2023”.*

19 (3) *HYPOPHOSPHOROUS ACID 50%.*—*Heading*
20 *9902.01.23 is amended—*

21 (A) *by amending the article description to*
22 *read as follows: “Hypophosphorous acid 50 per-*
23 *cent (phosphinic acid) (CAS No. 6303–21–5)*
24 *(provided for in subheading 2811.19.61)”*; and

1 (B) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (4) *POTASSIUM FLUOROBORATE.*—*Heading*
4 9902.01.47 is amended—

5 (A) by amending the article description to
6 read as follows: “Potassium fluoroborate (CAS
7 No. 14075–53–7) (provided for in subheading
8 2826.90.90)”; and

9 (B) by striking “12/31/2020” and inserting
10 “12/31/2023”.

11 (5) *POTASSIUM FLUOROTITANATE.*—*Heading*
12 9902.01.48 is amended—

13 (A) by amending the article description to
14 read as follows: “Potassium fluorotitanate
15 (Dipotassium hexafluorotitanate(2-)) (CAS No.
16 16919–27–0) (provided for in subheading
17 2826.90.90)”; and

18 (B) by striking “12/31/2020” and inserting
19 “12/31/2023”.

20 (6) *POTASSIUM FLUOZIRCONATE.*—*Heading*
21 9902.01.49 is amended—

22 (A) by amending the article description to
23 read as follows: “Dipotassium;
24 hexafluorozirconium(2-) (potassium

1 *fluozirconate*) (CAS No. 16923–95–8) (provided
2 for in subheading 2826.90.90)”; and

3 (B) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (7) *ZIRCONIUM BASIC CARBONATE*.—*Heading*
6 9902.01.61 is amended—

7 (A) by amending the article description to
8 read as follows: “*Zirconium basic carbonate (zir-*
9 *conium(4+) dicarbonate*) (CAS No. 57219–64–
10 4) (provided for in subheading 2836.99.50)”; and

11 (B) by striking “12/31/2020” and inserting
12 “12/31/2023”.

13 (8) *O-CHLOROTOLUENE*.—*Heading* 9902.01.95 is
14 amended—

15 (A) by amending the article description to
16 read as follows: “*2-Chlorotoluene* (CAS No. 95–
17 49–8) (provided for in subheading 2903.99.80)”;
18 and

19 (B) by striking “12/31/2020” and inserting
20 “12/31/2023”.

21 (9) *LEUCOQUINIZARIN*.—*Heading* 9902.02.25 is
22 amended—

23 (A) by amending the article description to
24 read as follows: “*Leucoquinizarin as 1,4,9,10-*
25 *tetrahydroxyanthracene* (CAS No. 476–60–8),

1 *2,3-dihydro-9,10-dihydroxyanthracene-1,4-dione*
2 (CAS No. 17648-03-2) or *2,3-dihydro-1,4-*
3 *dihydroxy-9,10-anthracenedione* (CAS No.
4 40498-13-3) (provided for in subheading
5 2907.29.90 or 2914.69.90”); and

6 (B) by striking “12/31/2020” and inserting
7 “12/31/2023”.

8 (10) *ANISALDEHYDE*.—Heading 9902.02.49 is
9 amended—

10 (A) by amending the article description to
11 read as follows: “*p*-Anisaldehyde (4-
12 methoxybenzaldehyde) (CAS No. 123-11-5) (pro-
13 vided for in subheading 2912.49.10)”); and

14 (B) by striking “12/31/2020” and inserting
15 “12/31/2023”.

16 (11) *METHYLIONONE*.—Heading 9902.02.56 is
17 amended—

18 (A) by amending the article description to
19 read as follows: “(*E*)-1-(2,6,6-trimethylcyclohex-
20 2-en-1-yl)pent-1-en-3-one (Methylionone) (CAS
21 No. 1335-46-2) (provided for in subheading
22 2914.23.00)”); and

23 (B) by striking “12/31/2020” and inserting
24 “12/31/2023”.

1 (12) *ITACONIC ACID*.—*Heading 9902.02.95 is*
2 *amended—*

3 (A) *by amending the article description to*
4 *read as follows: “Itaconic acid (2-*
5 *methylidenebutanedioic acid) (CAS No. 97–65–*
6 *4) (provided for in subheading 2917.19.70)”*; and

7 (B) *by striking “12/31/2020” and inserting*
8 *“12/31/2023”*.

9 (13) *4-SULFO-1,8-NAPHTHALIC ANHYDRIDE PO-*
10 *TASSIUM SALT*.—*Heading 9902.02.97 is amended—*

11 (A) *by amending the article description to*
12 *read as follows: “Potassium 1,3-dioxo-1H,3H-*
13 *benzo[de]isochromene-6-sulfonate (CAS No.*
14 *71501–16–1) (provided for in subheading*
15 *2917.39.04)”*; and

16 (B) *by striking “12/31/2020” and inserting*
17 *“12/31/2023”*.

18 (14) *NTCDA*.—*Heading 9902.03.01 is amend-*
19 *ed—*

20 (A) *by amending the article description to*
21 *read as follows: “1,4,5,8-*
22 *Naphthalenetetracarboxylic dianhydride*
23 *(NTCDA) (CAS No. 81–30–1) (provided for in*
24 *subheading 2917.39.70)”*; and

1 (B) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (15) *STABILIZER OF FOAMS.*—*Heading*
4 9902.03.11 is amended—

5 (A) by amending the article description to
6 read as follows: “Octyl 3-(3,5-ditert-butyl-4-
7 hydroxyphenyl)propanoate (CAS No. 125643-
8 61-0) (provided for in subheading 2918.29.65)”;
9 and

10 (B) by striking “12/31/2020” and inserting
11 “12/31/2023”.

12 (16) *HINDERED PHENOLIC ANTIOXIDANT.*—
13 *Heading 9902.03.25 is amended—*

14 (A) by amending the article description to
15 read as follows: “Triethylene glycol bis[3-(3-tert-
16 butyl-4-hydroxy-5-methyl-phenyl)propionate]
17 (CAS No. 36443-68-2) (provided for in sub-
18 heading 2918.99.43)”; and

19 (B) by striking “12/31/2020” and inserting
20 “12/31/2023”.

21 (17) *D-HPPA.*—*Heading 9902.03.28 is amend-*
22 *ed—*

23 (A) by amending the article description to
24 read as follows: “(R)-(+)-2-(4-
25 Hydroxyphenoxy)propionic acid (CAS No.

1 94050–90–5) (provided for in subheading
2 2918.99.43)”; and

3 (B) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (18) *TETRACHLORVINFOS*.—Heading 9902.03.35
6 is amended—

7 (A) by amending the article description to
8 read as follows: “[*(Z)*-2-Chloro-1-(2,4,5-
9 trichlorophenyl)ethenyl] dimethyl phosphate
10 (*Tetrachlorvinfos*) (CAS No. 22248–79–9) (pro-
11 vided for in subheading 2919.90.30)”; and

12 (B) by striking “12/31/2020” and inserting
13 “12/31/2023”.

14 (19) *PROPARGITE*.—Heading 9902.03.41 is
15 amended—

16 (A) by amending the article description to
17 read as follows: “2-[4-(2-Methyl-2-
18 propanyl)phenoxy]cyclohexyl 2-propyn-1-yl sul-
19 fite (*Propargite*) (CAS No. 2312–35–8) (provided
20 for in subheading 2920.90.10)”; and

21 (B) by striking “12/31/2020” and inserting
22 “12/31/2023”.

23 (20) *2-CHLORO-4-TOLUIDINE* (*2-CAT*).—Heading
24 9902.03.69 is amended—

1 (A) by amending the article description to
2 read as follows: “3-Chloro-4-methylaniline (o-
3 chloro-p-toluidine) (CAS No. 95-74-9) (provided
4 for in subheading 2921.43.90)”; and

5 (B) by striking “12/31/2020” and inserting
6 “12/31/2023”.

7 (21) *M-TOLUIDINE*.—Heading 9902.03.70 is
8 amended—

9 (A) by amending the article description to
10 read as follows: “m-Toluidine (CAS No. 108-44-
11 1) (provided for in subheading 2921.43.90)”; and

12 (B) by striking “12/31/2020” and inserting
13 “12/31/2023”.

14 (22) *FLUMETRALIN*.—Heading 9902.03.77 is
15 amended—

16 (A) by amending the article description to
17 read as follows: “N-[(2-Chloro-6-
18 fluorophenyl)methyl]-N-ethyl-2,6-dinitro-4-
19 (trifluoromethyl)aniline (Flumetralin) (CAS No.
20 62924-70-3) (provided for in subheading
21 2921.49.45)”; and

22 (B) by striking “12/31/2020” and inserting
23 “12/31/2023”.

24 (23) *4,4-METHYLENE BIS O-CHLORO ANILINE*.—
25 Heading 9902.03.83 is amended—

1 (A) by amending the article description to
 2 read as follows: “4,4’-Methylenebis(2-
 3 chloroaniline) (CAS No. 101–14–4) (provided for
 4 in subheading 2921.59.08)”; and

5 (B) by striking “12/31/2020” and inserting
 6 “12/31/2023”.

7 (24) PHENOL, 2,2’-[[[(1S...)]BIS[6-(1,1-
 8 DIMETHYLETHYL)].—Heading 9902.03.86 is amend-
 9 ed—

10 (A) by amending the article description to
 11 read as follows: “2,2’-[[[(1S,2S)-1,2-Diphenyl-1,2-
 12 ethanediyl]bis(iminomethylene)]bis[6-(1,1-
 13 dimethylethyl)phenol] (CAS No. 481725–63–7)
 14 (provided for in subheading 2921.59.40)”; and

15 (B) by striking “12/31/2020” and inserting
 16 “12/31/2023”.

17 (25) TRIS[2-[[[2,4,8,10-TETRA-TERT-BUTYLDIBE (AO
 18 12)].—Heading 9902.03.89 is amended—

19 (A) by amending the article description to
 20 read as follows: “2-{[2,4,8,10-Tetrakis(2-methyl-
 21 2-propanyl)diben- zo[d,f][1,3,2]dioxaphosphepin-
 22 6-yl]oxy}-N,N-bis(2-{[2,4,8,10-tetra- kis(2-meth-
 23 yl-2-propanyl)dibenzo[d,f][1,3,2]dioxaphos-
 24 phepin-6-yl]oxy}ethyl)ethanamine (CAS No.

1 80410–33–9) (provided for in subheading
2 2922.19.60)”; and

3 (B) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (26) *L-LYSINE HYDRATE*.—Heading 9902.04.03
6 is amended—

7 (A) by amending the article description to
8 read as follows: “*L-Lysine hydrate (1:1) (CAS*
9 *No. 39665–12–8) (provided for in subheading*
10 *2922.41.00)*”; and

11 (B) by striking “12/31/2020” and inserting
12 “12/31/2023”.

13 (27) *NON-GENETICALLY MODIFIED LECITHIN OF*
14 *RAPSEED*.—Heading 9902.04.17 is amended—

15 (A) by amending the article description to
16 read as follows: “*Lecithin derived from non-ge-*
17 *netically modified rapeseed (CAS No. 8002–43–*
18 *5) (provided for in subheading 2923.20.20)*”; and

19 (B) by striking “12/31/2020” and inserting
20 “12/31/2023”.

21 (28) *N,N,N',N'*-*TETRAKIS(2-HYDROXY-*
22 *ETHYL)HEXANEDIAMIDE*.—Heading 9902.04.27 is
23 amended—

24 (A) by amending the article description to
25 read as follows: “*N,N,N',N'*-*tetrakis(2-hydroxy-*

1 *ethyl)hexanediamide (CAS No. 6334–25–4) (pro-*
2 *vided for in subheading 2924.19.80)”; and*

3 *(B) by striking “12/31/2020” and inserting*
4 *“12/31/2023”.*

5 (29) *METALAXYL.—Heading 9902.04.36 is*
6 *amended—*

7 *(A) by amending the article description to*
8 *read as follows: “Methyl 2-(N-(2-methoxyacetyl)-*
9 *2,6-dimethylanilino)propanoate (Metalaxyl)*
10 *(CAS No. 57837–19–1) (provided for in sub-*
11 *heading 2924.29.47)”; and*

12 *(B) by striking “12/31/2020” and inserting*
13 *“12/31/2023”.*

14 (30) *CARBARYL.—Heading 9902.04.39 is amend-*
15 *ed—*

16 *(A) by amending the article description to*
17 *read as follows: “1-Naphthalenyl*
18 *methylcarbamate (Carbaryl) (CAS No. 63–25–2)*
19 *(provided for in subheading 2924.29.47)”; and*

20 *(B) by striking “12/31/2020” and inserting*
21 *“12/31/2023”.*

22 (31) *MANDIPROPAMID.—Heading 9902.04.45 is*
23 *amended—*

24 *(A) by amending the article description to*
25 *read as follows: “2-(4-Chlorophenyl)-N-{2-[3-*

1 (34) *P-AMINOBENZAMIDE*.—*Heading 9902.04.55*
2 *is amended—*

3 (A) *by amending the article description to*
4 *read as follows: “p-Aminobenzamide (4-*
5 *Aminobenzamide) (CAS No. 2835–68–9) (pro-*
6 *vided for in subheading 2924.29.77)”*; and

7 (B) *by striking “12/31/2020” and inserting*
8 *“12/31/2023”*.

9 (35) *TRANS-N-BOC ACID*.—*Heading 9902.04.57 is*
10 *amended—*

11 (A) *by amending the article description to*
12 *read as follows: “Trans-4-[(2-Methyl-2-*
13 *propanyl)oxy]carbonyl}cyclohex-anecarboxylic*
14 *acid (CAS No. 53292–89–0) (provided for in*
15 *subheading 2924.29.95)”*; and

16 (B) *by striking “12/31/2020” and inserting*
17 *“12/31/2023”*.

18 (36) *FLUMICLORAC PENTYL ESTER*.—*Heading*
19 *9902.04.62 is amended—*

20 (A) *by amending the article description to*
21 *read as follows: “Pentyl [2-chloro-5-(1,3-dioxo-*
22 *1,3,4,5,6,7-hexahydro-2H- isoindol-2-yl)-4-*
23 *fluorophenoxy]acetate (Flumiclorac pentyl ester)*
24 *(CAS No. 87546–18–7) (provided for in sub-*
25 *heading 2925.29.60)”*; and

1 (B) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (37) *ESFENVALERATE*.—*Heading 9902.04.74 is*
4 *amended—*

5 (A) by amending the article description to
6 read as follows: “(S)-Cyano(3-
7 phenoxyphenyl)methyl(S)-4-chloro- α -(1-meth-
8 ylethyl)benzeneacetate (*Esfenvalerate*) (CAS No.
9 66230–04–4) (provided for in subheading
10 2926.90.30)”; and

11 (B) by striking “12/31/2020” and inserting
12 “12/31/2023”.

13 (38) *ZETA-CYPERMETHRIN*.—*Heading*
14 *9902.04.76 is amended—*

15 (A) by amending the article description to
16 read as follows: “(S)-Cyano-(3-
17 phenoxyphenyl)methyl (+)*cis*-3-(2,2-
18 -dichloroethenyl)-2,2-
19 dimethylcyclopropanecarboxylate and (S)-cyano-
20 (3-phenoxyphenyl)methyl (+)*trans*-3-(2,2-
21 dichloroethenyl)-2,2-
22 dimethylcyclopropanecarboxylate (*Zeta-*
23 *cypermethrin*) (CAS No. 1315501–18–8) (pro-
24 vided for in subheading 2926.90.30)”; and

1 (B) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (39) *FENPROPATHRIN*.—*Heading 9902.04.78 is*
4 *amended—*

5 (A) by amending the article description to
6 read as follows: “*α-Cyano-3-phenoxybenzyl*
7 *2,2,3,3-tetramethylcyclopropanecarboxylate*
8 *(Fenpropathrin) (CAS No. 39515–41–8) (pro-*
9 *vided for in subheading 2926.90.30)”*; and

10 (B) by striking “12/31/2020” and inserting
11 “12/31/2023”.

12 (40) *PHTHALODINITRILE*.—*Heading 9902.04.79*
13 *is amended—*

14 (A) by amending the article description to
15 read as follows: “*Benzene-1,2-dicarbonitrile*
16 *(Phthalodinitrile) (CAS No. 91–15–6) (provided*
17 *for in subheading 2926.90.43)”*; and

18 (B) by striking “12/31/2020” and inserting
19 “12/31/2023”.

20 (41) *DIPHENYLACETONITRILE*.—*Heading*
21 *9902.04.80 is amended—*

22 (A) by amending the article description to
23 read as follows: “*2,2-Diphenylacetonitrile (CAS*
24 *No. 86–29–3) (provided for in subheading*
25 *2926.90.48)”*; and

1 *phenylethanimidic acid (Cyflufenamid) (CAS*
2 *No. 180409–60–3) (provided for in subheading*
3 *2928.00.25)”; and*

4 *(B) by striking “12/31/2020” and inserting*
5 *“12/31/2023”.*

6 (45) *TEBUFENOZIDE.—Heading 9902.04.88 is*
7 *amended—*

8 *(A) by amending the article description to*
9 *read as follows: “N’-(4-Ethylbenzoyl)-3,5-di-*
10 *methyl-N-(2-methyl-2-propanyl)benzohydrazide*
11 *(Tebufenozide) (CAS No. 112410–23–8) (pro-*
12 *vided for in subheading 2928.00.25)”; and*

13 *(B) by striking “12/31/2020” and inserting*
14 *“12/31/2023”.*

15 (46) *CARBONOHYDRAZIDE.—Heading 9902.04.89*
16 *is amended—*

17 *(A) by amending the article description to*
18 *read as follows: “1,3-Diaminourea (CAS No.*
19 *497–18–7) (provided for in subheading*
20 *2928.00.50)”; and*

21 *(B) by striking “12/31/2020” and inserting*
22 *“12/31/2023”.*

23 (47) *ADH.—Heading 9902.04.93 is amended—*

24 *(A) by amending the article description to*
25 *read as follows: “Hexanedihydrazide (adipic*

1 *dihydrazide*) (CAS No. 1071–93–8) (provided for
2 in subheading 2928.00.50)”; and

3 (B) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (48) *ORGANIC CHEMICALS*.—Heading 9902.04.94
6 is amended—

7 (A) by amending the article description to
8 read as follows: “*Bitolylene diisocyanate (3,3’-*
9 *dimethylbiphenyl-4,4’-diyl diisocyanate)* (CAS
10 No. 91–97–4) (provided for in subheading
11 2929.10.20)”; and

12 (B) by striking “12/31/2020” and inserting
13 “12/31/2023”.

14 (49) *PCM*.—Heading 9902.04.97 is amended—

15 (A) by amending the article description to
16 read as follows: “*Ethyl [4-chloro-2-fluoro-5-*
17 *[[[[methyl(1-methylethyl)a-*
18 *mino]sulfonyl]amino]carbonyl]phenyl]carbamate*
19 (CAS No. 874909–61–2) (provided for in sub-
20 heading 2929.90.15)”; and

21 (B) by striking “12/31/2020” and inserting
22 “12/31/2023”.

23 (50) *PROFENOFOS*.—Heading 9902.05.04 is
24 amended—

1 (A) by amending the article description to
2 read as follows: “O-4-Bromo-2-chlorophenyl O-
3 ethyl S-propyl phosphorothioate (Profenofos)
4 (CAS No. 41198–08–7) (provided for in sub-
5 heading 2930.90.10)”; and

6 (B) by striking “12/31/2020” and inserting
7 “12/31/2023”.

8 (51) DCDPS, DICHLORODIPHENYLSULFONE.—
9 Heading 9902.05.14 is amended—

10 (A) by amending the article description to
11 read as follows: “1-Chloro-4-(4-
12 chlorophenyl)sulfonylbenzene (CAS No. 80–07–9)
13 (provided for in subheading 2930.90.29)”; and

14 (B) by striking “12/31/2020” and inserting
15 “12/31/2023”.

16 (52) CAPTAN TECHNICAL.—Heading 9902.05.19
17 is amended—

18 (A) by amending the article description to
19 read as follows: “2-[(Trichloromethyl)sulfonyl]-
20 3a,4,7,7a-tetrahydro-1H-isoin- dole-1,3(2H)-
21 dione (Captan) (CAS No. 133–06–2) (provided
22 for in subheading 2930.90.43)”; and

23 (B) by striking “12/31/2020” and inserting
24 “12/31/2023”.

1 (53) *PENTAERYTHRITOL TETRAKIS* (β -
2 *LAURYLTHIOPROPIONATE*).—*Heading 9902.05.23 is*
3 *amended—*

4 (A) *by amending the article description to*
5 *read as follows:* “3-{[3-
6 *(Dodecylsulfanyl)propanoyl]oxy}-2,2-bis({[3-*
7 *dodecylsulfanyl)propanoyl]oxy}methyl)propyl 3-*
8 *(dodecylsulfanyl)propanoate) (CAS No. 29598–*
9 *76–3) (provided for in subheading 2930.90.91)”;*
10 *and*

11 (B) *by striking “12/31/2020” and inserting*
12 *“12/31/2023”.*

13 (54) *DINOTEFURAN*.—*Heading 9902.05.45 is*
14 *amended—*

15 (A) *by amending the article description to*
16 *read as follows:* “1-Methyl-2-nitro-3-(oxolan-3-
17 *ylmethyl)guanidine (Dinotefuran) (CAS No.*
18 *165252–70–0) (provided for in subheading*
19 *2932.19.51)”;* *and*

20 (B) *by striking “12/31/2020” and inserting*
21 *“12/31/2023”.*

22 (55) *COUMAPHOS*.—*Heading 9902.05.47 is*
23 *amended—*

24 (A) *by amending the article description to*
25 *read as follows:* “3-Chloro-7-

1 *diethoxyphosphinothioxy-4-methylchromen-2-*
2 *one (Coumaphos) (CAS No. 56-72-4) (provided*
3 *for in subheading 2932.20.10)”; and*

4 *(B) by striking “12/31/2020” and inserting*
5 *“12/31/2023”.*

6 (56) *SPIROMESIFEN.—Heading 9902.05.48 is*
7 *amended—*

8 *(A) by amending the article description to*
9 *read as follows: “[2-Oxo-3-(2,4,6-*
10 *trimethylphenyl)-1-oxaspiro[4.4]non-3-en-4-yl]*
11 *3,3-dimethylbutanoate (Spiromesifen) (CAS No.*
12 *283594-90-1) (provided for in subheading*
13 *2932.20.10)”; and*

14 *(B) by striking “12/31/2020” and inserting*
15 *“12/31/2023”.*

16 (57) *BRODIFACOUM.—Heading 9902.05.50 is*
17 *amended—*

18 *(A) by amending the article description to*
19 *read as follows: “4-Hydroxy-3-(3-(4'-bromo-4-*
20 *biphenyl)-1,2,3,4-tetrahydro-1-naph-*
21 *thyl)coumarin (Brodifacoum) (CAS No. 56073-*
22 *10-0) (provided for in subheading 2932.20.10)”; and*
23 *and*

24 *(B) by striking “12/31/2020” and inserting*
25 *“12/31/2023”.*

1 (58) *SODIUM ERYTHORBATE.—Heading*
2 9902.05.54 is amended—

3 (A) by amending the article description to
4 read as follows: “Sodium erythorbate (sodium
5 (2*R*)-2-[(2*R*)-4,5-dihydroxy- 3-oxo-2,3-dihydro-2-
6 furanyl]-2-hydroxyethanolate) (CAS No. 6381-
7 77-7) (provided for in subheading 2932.20.50)”;
8 and

9 (B) by striking “12/31/2020” and inserting
10 “12/31/2023”.

11 (59) *PYRACLOSTROBIN TECHNICAL.—Heading*
12 9902.05.67 is amended—

13 (A) by amending the article description to
14 read as follows: “Methyl *N*-(2-[[1-(4-
15 chlorophenyl)pyrazol-3-yl]oxymethyl]-phenyl)-
16 (*N*-methoxy)carbamate (Pyraclostrobin) (CAS
17 No. 175013-18-0) (provided for in subheading
18 2933.19.23)”;

19 (B) by striking “12/31/2020” and inserting
20 “12/31/2023”.

21 (60) *TRIFLUMIZOLE TECHNICAL.—Heading*
22 9902.05.74 is amended—

23 (A) by amending the article description to
24 read as follows: “(*E*)-4-Chloro- α,α,α -trifluoro-*N*-
25 (1-imidazol-1-yl-2- propoxyethylidene)-*o*-tolu-

1 idine (*Triflumizole*) (CAS No. 99387–89–0)
2 (provided for in subheading 2933.29.35)”; and

3 (B) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (61) *FLUOPYRAM*.—Heading 9902.05.80 is
6 amended—

7 (A) by amending the article description to
8 read as follows: “N-[2-[3-Chloro-5-
9 (trifluoromethyl)pyridin-2-yl]ethyl]-2-
10 (trifluoromethyl)benzamide (*Fluopyram*) (CAS
11 No. 658066–35–4) (provided for in subheading
12 2933.39.21)”; and

13 (B) by striking “12/31/2020” and inserting
14 “12/31/2023”.

15 (62) *CLODINAFOP-PROPARGYL*.—Heading
16 9902.05.91 is amended—

17 (A) by amending the article description to
18 read as follows: “2-Propyn-1-yl (2R)-2-{4-[(5-
19 chloro-3-fluoro-2-
20 pyridinyl)oxy]phenoxy}propanoate (*Clodinafop-*
21 *propargyl*) (CAS No. 105512–06–9) (provided
22 for in subheading 2933.39.25)”; and

23 (B) by striking “12/31/2020” and inserting
24 “12/31/2023”.

1 (63) *ACETAMIPRID* *TECHNICAL.—Heading*
2 9902.05.99 is amended—

3 (A) by amending the article description to
4 read as follows: “(E)-N1-[(6-Chloro-3-pyr-
5 idyl)methyl]-N2-cyano-N1- methyl-acetamide
6 (Acetamiprid) (CAS No. 135410–20–7) (pro-
7 vided for in subheading 2933.39.27)”; and

8 (B) by striking “12/31/2020” and inserting
9 “12/31/2023”.

10 (64) *PYRIPROXYFEN.—Heading* 9902.06.04 is
11 amended—

12 (A) by amending the article description to
13 read as follows: “2-{[1-(4-Phenoxyphenoxy)-2-
14 propanyl]oxy}pyridine (Pyriproxyfen) (CAS No.
15 95737–68–1) (provided for in subheading
16 2933.39.27)”; and

17 (B) by striking “12/31/2020” and inserting
18 “12/31/2023”.

19 (65) *CERTAIN LIGHT STABILIZER.—Heading*
20 9902.06.14 is amended—

21 (A) by amending the article description to
22 read as follows: “N-[6-[formyl-(2,2,6,6-
23 tetramethylpiperidin-4-yl)amino]hexyl]-N-
24 (2,2,6,6-tetramethylpiperidin-4-yl)formamide

1 (CAS No. 124172–53–8) (provided for in sub-
2 heading 2933.39.61”); and

3 (B) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (66) *N,N'*-BIS(2,2,6,6-TETRAMETHYL-4-
6 PIPERIDINYL)ISOPH.—Heading 9902.06.16 is amend-
7 ed—

8 (A) by amending the article description to
9 read as follows: “*N,N'*-Bis(2,2,6,6-tetramethyl-4-
10 piperidinyl)isophthalamide (CAS No. 42774–15–
11 2) (provided for in subheading 2933.39.61)”); and

12 (B) by striking “12/31/2020” and inserting
13 “12/31/2023”.

14 (67) UV ABSORBER.—Heading 9902.06.17 is
15 amended—

16 (A) by amending the article description to
17 read as follows: “3-Dodecyl-1-(2,2,6,6-
18 tetramethyl-4-piperidinyl)-2,5-pyr-
19 rolidinedione (CAS No. 79720–19–7) (provided for in sub-
20 heading 2933.39.61)”); and

21 (B) by striking “12/31/2020” and inserting
22 “12/31/2023”.

23 (68) ACYLATED STERICALLY HINDERED LIGHT
24 STABILIZER.—Heading 9902.06.18 is amended—

1 (A) by amending the article description to
2 read as follows: “1-(1-Acetyl-2,2,6,6-tetramethyl-
3 4-piperidiny)-3-dodecyl- 2,5-pyrrolidinedione
4 (CAS No. 106917–31–1) (provided for in sub-
5 heading 2933.39.61)”; and

6 (B) by striking “12/31/2020” and inserting
7 “12/31/2023”.

8 (69) PYRIMETHANIL.—Heading 9902.06.32 is
9 amended—

10 (A) by amending the article description to
11 read as follows: “4,6-Dimethyl-N-
12 phenylpyrimidin-2-amine (Pyrimethanil) (CAS
13 No. 53112–28–0) (provided for in subheading
14 2933.59.15)”; and

15 (B) by striking “12/31/2020” and inserting
16 “12/31/2023”.

17 (70) BENZYLADENINE.—Heading 9902.06.33 is
18 amended—

19 (A) by amending the article description to
20 read as follows: “N-Benzyl-3H-purin-6-amine
21 (Benzyladenine) (CAS No. 1214–39–7) (provided
22 for in subheading 2933.59.15)”; and

23 (B) by striking “12/31/2020” and inserting
24 “12/31/2023”.

1 (71) *PYRIFLUQUINAZON*.—*Heading 9902.06.40 is*
2 *amended—*

3 (A) *by amending the article description to*
4 *read as follows: “1-Acetyl-1,2,3,4-tetrahydro-3-*
5 *[(3-pyridylmethyl)amino]- 6-[1,2,2,2-tetrafluoro-*
6 *1-(trifluoromethyl) ethyl] quinazolin-2-one*
7 *(Pyrifluquinazon) (CAS No. 337458–27–2) (pro-*
8 *vided for in subheading 2933.59.70)”*; and

9 (B) *by striking “12/31/2020” and inserting*
10 *“12/31/2023”*.

11 (72) *HEXAZINONE*.—*Heading 9902.06.52 is*
12 *amended—*

13 (A) *by amending the article description to*
14 *read as follows: “3-Cyclohexyl-6-dimethylamino-*
15 *1-methyl-1,3,5-triazine- 2,4(1H,3H)-dione*
16 *(Hexazinone) (CAS No. 51235–04–2) (provided*
17 *for in subheading 2933.69.60)”*; and

18 (B) *by striking “12/31/2020” and inserting*
19 *“12/31/2023”*.

20 (73) *PYMETROZINE*.—*Heading 9902.06.53 is*
21 *amended—*

22 (A) *by amending the article description to*
23 *read as follows: “6-Methyl-4-{[(1E)-pyridin-3-*
24 *ylmethylene]amino}-4,5- dihydro-1,2,4-triazin-*

1 3(2*H*)-one (Pymetrozine) (CAS No. 123312–89–
2 0) (provided for in subheading 2933.69.60)”; and
3 (B) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (74) *LOW VOLATILE HYDROXYPHENYL TRIAZINE*
6 *UV ABSORBER*.—Heading 9902.06.59 is amended—

7 (A) by amending the article description to
8 read as follows: “2-(4,6-Diphenyl-1,3,5-triazin-2-
9 yl)-5-(hexyloxy)phenol (CAS No. 147315–50–2)
10 (provided for in subheading 2933.69.60)”; and

11 (B) by striking “12/31/2020” and inserting
12 “12/31/2023”.

13 (75) *VERY LOW VOLATILE HYDROXYPHENYL TRI-*
14 *AZINE UV ABSORBER*.—Heading 9902.06.60 is
15 amended—

16 (A) by amending the article description to
17 read as follows: “2-[4,6-Di(4-biphenyl)yl]-1,3,5-
18 triazin-2-yl]-5-[(2-ethylhexyl)oxy]phenol (CAS
19 No. 204583–39–1) (provided for in subheading
20 2933.69.60)”; and

21 (B) by striking “12/31/2020” and inserting
22 “12/31/2023”.

23 (76) *TERBUTRYN*.—Heading 9902.06.61 is
24 amended—

1 (A) by amending the article description to
 2 read as follows: “(4E)-4-(Ethylimino)-N-(2-meth-
 3 yl-2-propanyl)-6-(methylsulfanyl)- 1,4-dihydro-
 4 1,3,5-triazin-2-amine (Terbutryn) (CAS No.
 5 886–50–0) (provided for in subheading
 6 2933.69.60)”; and

7 (B) by striking “12/31/2020” and inserting
 8 “12/31/2023”.

9 (77) BONDING AGENT FOR POLYESTER-REIN-
 10 FORCED RUBBER PRODUCTS.—Heading 9902.06.69 is
 11 amended—

12 (A) by amending the article description to
 13 read as follows: “N,N’-(Methylenedi-p-phen-
 14 ylene)bis[hexahydro-2- oxo-1H-azepine-1-
 15 carboxamide] (CAS No. 54112–23–1) (provided
 16 for in subheading 2933.79.15)”; and

17 (B) by striking “12/31/2020” and inserting
 18 “12/31/2023”.

19 (78) MYCLOBUTANIL TECHNICAL FUNGICIDE.—
 20 Heading 9902.06.70 is amended—

21 (A) by amending the article description to
 22 read as follows: “2-(4-Chlorophenyl)-2-(1H-1,2,4-
 23 triazol-1-ylmethyl)hexanenitrile (Myclobutanil)
 24 (CAS No. 88671–89–0) (provided for in sub-
 25 heading 2933.99.06)”; and

1 (B) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (79) *TRIADIMEFON*.—*Heading* 9902.06.75 is
4 amended—

5 (A) by amending the article description to
6 read as follows: “1-(4-Chlorophenoxy)-3,3-di-
7 methyl-1-(1,2,4-triazol-1-yl)butan-2-one
8 (*Triadimefon*) (CAS No. 43121-43-3) (provided
9 for in subheading 2933.99.22)”; and

10 (B) by striking “12/31/2020” and inserting
11 “12/31/2023”.

12 (80) *PYRAZIFLUMID*.—*Heading* 9902.06.76 is
13 amended—

14 (A) by amending the article description to
15 read as follows: “N-(3',4'-Difluorobiphenyl-2-yl)-
16 3-(trifluoromethyl)pyra- zine-2-carboxamide
17 (*Pyraziflumid*) (CAS No. 942515-63-1) (pro-
18 vided for in subheading 2933.99.22)”; and

19 (B) by striking “12/31/2020” and inserting
20 “12/31/2023”.

21 (81) *ECONEA* *TECHNICAL*.—*Heading*
22 9902.06.88 is amended—

23 (A) by amending the article description to
24 read as follows: “4-Bromo-2-(4-chlorophenyl)-5-
25 (trifluoromethyl)-1*H*-pyrrole-3-carbonitrile

1 *(Tralopyril) (CAS No. 122454–29–9) (provided*
 2 *for in subheading 2933.99.22)”; and*

3 *(B) by striking “12/31/2020” and inserting*
 4 *“12/31/2023”.*

5 (82) *ULTRAVIOLET LIGHT ABSORBER.—Heading*
 6 *9902.06.89 is amended—*

7 *(A) by amending the article description to*
 8 *read as follows: “2-(Benzotriazol-2-yl)-4,6-bis(2-*
 9 *methylbutan-2-yl)phenol (CAS No. 25973–55–1)*
 10 *(provided for in subheading 2933.99.79)”; and*

11 *(B) by striking “12/31/2020” and inserting*
 12 *“12/31/2023”.*

13 (83) *2-(2H-BENZOTRIAZOL-2-YL)-4,6-BIS(1-METH-*
 14 *YL-1-PHENYLETHYL)PHENOL.—Heading 9902.06.90 is*
 15 *amended—*

16 *(A) by amending the article description to*
 17 *read as follows: “2-(Benzotriazol-2-yl)-4,6-bis(2-*
 18 *phenylpropan-2-yl)phenol (CAS No. 70321–86–*
 19 *7) (provided for in subheading 2933.99.79)”; and*

20 *(B) by striking “12/31/2020” and inserting*
 21 *“12/31/2023”.*

22 (84) *ISAVUCONAZONIUM SULFATE.—Heading*
 23 *9902.07.03 is amended—*

24 *(A) by amending the article description to*
 25 *read as follows: “(2-{[(1-{1-[(2R,3R)-3-[4-(4-*

1 Cyanophenyl)-1,3-thiazol-2-yl]-2- (2,5-
 2 difluorophenyl)-2-hydroxybutyl]-1H-1,2,4-
 3 triazol-4-ium-4-
 4 yl}ethoxy)carbonyl](methyl)amino}-3-
 5 pyridinyl)methyl N-methylglycinate hydrogen
 6 sulfate (Isavuconazonium Sulfate) (CAS No.
 7 946075-13-4) (provided for in subheading
 8 2934.10.10)”; and

9 (B) by striking “12/31/2020” and inserting
 10 “12/31/2023”.

11 (85) *ETHABOXAM*.—Heading 9902.07.08 is
 12 amended—

13 (A) by amending the article description to
 14 read as follows: “N-[Cyano(2-thienyl)methyl]-4-
 15 ethyl-2-(ethylamino)-1,3- thiazole-5-carboxamide
 16 (*Ethaboxam*) (CAS No. 162650-77-3) (provided
 17 for in subheading 2934.10.90)”; and

18 (B) by striking “12/31/2020” and inserting
 19 “12/31/2023”.

20 (86) *PROPICONAZOLE*.—Heading 9902.07.16 is
 21 amended—

22 (A) by amending the article description to
 23 read as follows: “1-[[2-(2,4-Dichlorophenyl)-4-
 24 propyl-1,3-dioxolan-2-yl]- methyl]-1H-1,2,4-tri-

1 azole (*Propiconazole*) (CAS No. 60207–90–1)
2 (provided for in subheading 2934.99.12)”; and

3 (B) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (87) *ETOXAZOLE*.—Heading 9902.07.35 is
6 amended—

7 (A) by amending the article description to
8 read as follows: “2-(2,6-Difluorophenyl)-4-[2-
9 ethoxy-4-(2-methyl-2-propanyl)phenyl]- 4,5-
10 dihydro-1,3-oxazole (*Etoazole*) (CAS No.
11 153233–91–1) (provided for in subheading
12 2934.99.18)”; and

13 (B) by striking “12/31/2020” and inserting
14 “12/31/2023”.

15 (88) *FLUCARBAZONE-SODIUM*.—Heading
16 9902.07.65 is amended—

17 (A) by amending the article description to
18 read as follows: “Sodium [(3-methoxy-4-methyl-
19 5-oxo-4,5-dihydro-1H-1,2,4- triazol-1-
20 yl)carbonyl]{[2-(trifluorometh-
21 oxy)phenyl]sulfonyl}azanide (*Flucarbazone-so-*
22 *dium*) (CAS No. 181274–17–9) (provided for in
23 subheading 2935.90.75)”; and

24 (B) by striking “12/31/2020” and inserting
25 “12/31/2023”.

1 (89) *IMAZOSULFURON*.—*Heading 9902.07.71 is*
2 *amended—*

3 (A) *by amending the article description to*
4 *read as follows: “2-Chloro-N-[(4,6-dimethoxy-2-*
5 *pyrimidinyl)carba- moyl]imidazo[1,2-*
6 *a]pyridine-3-sulfonamide (Imazosulfuron) (CAS*
7 *No. 122548–33–8) (provided for in subheading*
8 *2935.90.75)”*; and

9 (B) *by striking “12/31/2020” and inserting*
10 *“12/31/2023”*.

11 (90) *PURIFIED STEVIOL GLYCOSIDE,*
12 *REBAUDIOSIDE M*.—*Heading 9902.07.76 is amend-*
13 *ed—*

14 (A) *by amending the article description to*
15 *read as follows: “(4- α)-13-[(O- β -D-*
16 *Glucopyranosyl-(1-2)-O-[β -D- glucopyranosyl-(1-*
17 *3)]- β -D-glucopyranosyl)oxy]-kaur-16- en-18-oic*
18 *acid O- β -D-glucopyranosyl-(1-2)-O-[β -D-*
19 *glucopyranosyl- (1-3)]- β -D-glucopyranosyl ester*
20 *(Rebaudioside M) (CAS No. 1220616–44–3)*
21 *(provided for in subheading 2938.90.00)”*; and

22 (B) *by striking “12/31/2020” and inserting*
23 *“12/31/2023”*.

24 (91) *TREHALOSE*.—*Heading 9902.07.78 is*
25 *amended—*

1 (A) by amending the article description to
2 read as follows: “Trehalose (α -D-glucopyranosyl
3 α -D-glucopyranoside dihydrate) (CAS No. 6138–
4 23–4) (provided for in subheading 2940.00.60)”;
5 and

6 (B) by striking “12/31/2020” and inserting
7 “12/31/2023”.

8 (92) CHLOROPHYLLIN.—Heading 9902.07.80 is
9 amended—

10 (A) by amending the article description to
11 read as follows: “Chlorophyllin-copper complex
12 (CAS No. 11006–34–1) (provided for in sub-
13 heading 2942.00.50)”;

14 (B) by striking “12/31/2020” and inserting
15 “12/31/2023”.

16 (93) DISPERSE BLUE 56.—Heading 9902.07.85
17 is amended—

18 (A) by amending the article description to
19 read as follows: “Disperse Blue 56 (1,5-diamino-
20 2-bromo-4,8-dihydroxy-9,10-anthraquinone)
21 (CAS No. 68134–65–6) (provided for in sub-
22 heading 3204.11.10)”;

23 (B) by striking “12/31/2020” and inserting
24 “12/31/2023”.

1 (94) *DISPERSE BLUE 284*.—*Heading 9902.07.86*
2 *is amended—*

3 (A) *by amending the article description to*
4 *read as follows: “Disperse Blue 284 (({4-[(E)-*
5 *(3,5-dinitro-2-thienyl)diazenyl]phenyl}imino)di-*
6 *2,1-ethanediyl diacetate) (CAS No. 42783–06–2)*
7 *(provided for in subheading 3204.11.10)”*; and

8 (B) *by striking “12/31/2020” and inserting*
9 *“12/31/2023”*.

10 (95) *MIXTURE OF DISPERSE BLUE 60 M, DIS-*
11 *PERSE BLUE 60 ME*.—*Heading 9902.07.88 is amend-*
12 *ed—*

13 (A) *by amending the article description to*
14 *read as follows: “Mixtures of 4,11-diamino-2-(3-*
15 *methoxypropyl)-1H-Naph- tho[2,3-f]isoindole-*
16 *1,3,5,10(2H)-tetrone (Disperse Blue 60 M) (CAS*
17 *No. 12217–80–0) and 4,11-diamino-2-[3-(2-*
18 *methoxyeth- oxy)propyl]-1H-naphtho[2,3-*
19 *f]isoindole-1,3,5,10(2H)-tetrone (Disperse Blue*
20 *60 ME) (CAS No. 65059–45–2) (provided for in*
21 *subheading 3204.11.35)”*; and

22 (B) *by striking “12/31/2020” and inserting*
23 *“12/31/2023”*.

24 (96) *MIX OF DISPERSE BLUE 77, 56, 60M, 60ME,*
25 *77*.—*Heading 9902.07.89 is amended—*

1 (A) by amending the article description to
 2 read as follows: “Mixtures of 1-anilino-4,5-
 3 dihydroxy-8-nitro-9,10-anthraquinone (Disperse
 4 Blue 77) (CAS No. 20241-76-3); 1,5-diamino-2-
 5 bromo-4,8-dihydroxy-9,10-anthraquinone (Dis-
 6 perse Blue 56) (CAS No. 68134-65-6); 4,11-
 7 diamino-2-(3-methoxypropyl)-1H-naphtho[2,3-
 8 *ff*isoindole-1,3,5,10(2H)-tetrone (Disperse Blue
 9 60 M) (CAS No. 12217-80-0) and 4,11-diamino-
 10 2-[3-(2-methoxyethoxy)propyl]-1H- naphtho[2,3-
 11 *ff*isoindole-1,3,5,10(2H)-tetrone (Disperse Blue
 12 60 ME) (CAS No. 65059-45-2) (provided for in
 13 subheading 3204.11.35)”; and

14 (B) by striking “12/31/2020” and inserting
 15 “12/31/2023”.

16 (97) MIXTURE OF DISPERSE YELLOW 64, 211, 42,
 17 AND 54.—Heading 9902.07.90 is amended—

18 (A) by amending the article description to
 19 read as follows: “Mixtures of 2-(4-Bromo-3-hy-
 20 droxy-2-quinolinyl)-1H-indene-1,3(2H)-dione
 21 (Disperse Yellow 64) (CAS No. 10319-14-9); 5-
 22 [(E)-(4-Chloro-2-nitrophenyl)diazenyl]-1-ethyl-6-
 23 hydroxy-4-methyl-2- oxo-1,2-dihydro-3-
 24 pyridinecarbonitrile (Disperse Yellow 211) (CAS
 25 No. 70528-90-4); 4-Anilino-3-nitro-N-

1 *phenylbenzenesulfonamide (Disperse Yellow 42)*
 2 *(CAS No. 5124–25–4) and 2-(3-Hydroxy-2-quin-*
 3 *olinyl)-1H-indene-1,3(2H)-dione (Disperse Yel-*
 4 *low 54) (CAS No. 7576–65–0) (provided for in*
 5 *subheading 3204.11.35)”; and*

6 *(B) by striking “12/31/2020” and inserting*
 7 *“12/31/2023”.*

8 (98) *DYE MIXTURE.—Heading 9902.07.92 is*
 9 *amended—*

10 *(A) by amending the article description to*
 11 *read as follows: “Mixtures of Disperse Yellow 163*
 12 *(3,3’-(\{4-[(E)-(2,6-Dichloro-4-*
 13 *nitrophenyl)diazenyl]*
 14 *phenyl}imino)dipropanenitrile) (CAS No.*
 15 *67923–43–7); Solvent Yellow 163 (1,8-*
 16 *Bis(phenylthio)anthracene-9,10-dione) (CAS No.*
 17 *13676–91–0); Disperse Blue 56 (1,5-Diamino-2-*
 18 *bromo-4,8-dihydroxy-9,10-anthraquinone) (CAS*
 19 *No. 68134–65–6); Disperse Blue 77 (1-Anilino-*
 20 *4,5-dihydroxy-8-nitro-9,10-anthraquinone) (CAS*
 21 *No. 20241–76–3); Disperse Red 1042A (5-[2-(2-*
 22 *Cyano-4-nitrophenyl)diazenyl]-2-[[2-(2-*
 23 *hydroxyethoxy)ethyl]amino]-4-methyl-6-*
 24 *(phenylamino)-3-pyridinecarbonitrile) (CAS No.*
 25 *149988–44–3); Disperse Red 1042B (5-[2-*

1 *Cyano-4-nitrophenyl*)diazanyl]-6-[[2-(2-
 2 *hydroxyethoxy*)ethyl]amino]-4-methyl-2-
 3 (*phenylamino*)-3-pyridine carbonitrile) (CAS
 4 No. 137428-29-6); *Disperse Blue 60 M* (4,11-
 5 *Diamino-2-(3-methoxypropyl)-1H-naphtho*[2,3-
 6 *ffisoindole-1,3,5,10(2H)-tetrone*) (CAS No.
 7 12217-80-0) and *Disperse Blue 60 ME* (4,11-
 8 *Diamino-2-[3-(2-methoxyethoxy)propyl]-1H-*
 9 *naphtho*[2,3-*ffisoindole-1,3,5,10(2H)-tetrone*)
 10 (CAS No. 65059-45-2) (provided for in sub-
 11 heading 3204.11.35)”; and

12 (B) by striking “12/31/2020” and inserting
 13 “12/31/2023”.

14 (99) *MIXTURE OF DISPERSE ORANGE T9601,*
 15 *ETC.—Heading 9902.07.93 is amended—*

16 (A) by amending the article description to
 17 read as follows: “*Mixtures of Disperse Orange*
 18 288 (3-(*Benzyl*{4-[(4-nitrophenyl)diazanyl]
 19 *phenyl*}amino)propanenitrile) (CAS No. 96662-
 20 24-7); *Disperse Blue 291:1* (N-{2-[(*E*)-(2-
 21 *Bromo-4,6-dinitrophenyl*)diazanyl]-5-
 22 (*diallylamino*)-4- *methoxyphenyl*}acetamide)
 23 (CAS No. 51868-46-3) and *Disperse Violet 93:1*
 24 (N-{2-[(*E*)-(2-*Bromo-4,6-dinitro-*
 25 *phenyl*)diazanyl]-5-

1 (diethylamino)phenyl}acetamide) (CAS No.
 2 52697–38–8) (provided for in subheading
 3 3204.11.35)”; and

4 (B) by striking “12/31/2020” and inserting
 5 “12/31/2023”.

6 (100) MIXTURES OF SOLVENT YELLOW 163 AND
 7 OTHER PRODUCTS.—Heading 9902.07.94 is amend-
 8 ed—

9 (A) by amending the article description to
 10 read as follows: “Mixtures of Solvent Yellow 163
 11 (1,8-Bis(phenylsulfanyl)-9,10-anthraquinone)
 12 (CAS No. 13676–91–0); Disperse Blue 56 (1,5-
 13 Diamino-2-bromo-4,8-dihydroxy-9,10-
 14 anthraquinone) (CAS No. 68134–65–6); Disperse
 15 Red 167:1 (3-(Acetylamino)-4-[(2-chloro-4-
 16 nitrophenyl)azo]phenyl}imino)diethane-2,1-diyl
 17 diacetate) (CAS No. 1533–78–4); Disperse Or-
 18 ange 29 (4-(2-Methoxy-4-[(4-
 19 nitrophenyl)diazanyl]phenyl}diazanyl)phenol)
 20 (CAS No. 19800–42–1); Disperse Red 1042A (5-
 21 [2-(2-Cyano-4-nitrophenyl)diazanyl]-2-[[2-(2-
 22 hydroxyethoxy)ethyl]amino]-4-methyl-6-
 23 (phenylamino)-3-pyridinecarbonitrile) (CAS No.
 24 149988–44–3); Disperse Red 1042B (5-[(2-
 25 Cyano-4-nitrophenyl)diazanyl]-6-[[2-(2-

1 *hydroxyethoxy)ethyl]amino]-4-methyl-2-*
 2 *(phenylamino)-3-pyridine carbonitrile) (CAS*
 3 *No. 137428–29–6); Disperse Blue 60 M (4,11-*
 4 *Diamino-2-(3-methoxypropyl)-1H-naphtho[2,3-*
 5 *f]isoindole-1,3,5,10(2H)-trione) (CAS No.*
 6 *12217–80–0) and Disperse Blue 60 ME (4,11-*
 7 *Diamino-2-[3-(2-methoxyethoxy)propyl]-1H-*
 8 *naphtho[2,3-f]isoindole-1,3,5,10(2H)-trione)*
 9 *(CAS No. 65059–45–2) (provided for in sub-*
 10 *heading 3204.11.35)”; and*

11 *(B) by striking “12/31/2020” and inserting*
 12 *“12/31/2023”.*

13 (101) *TEXTILE DYE MIXTURES.—Heading*
 14 *9902.07.95 is amended—*

15 *(A) by amending the article description to*
 16 *read as follows: “Mixtures of Disperse Blue ANT*
 17 *(Br) (N-[5-(acetylamino)-4-[2-(2-bromo-4,6-*
 18 *dinitrophenyl)diazenyl]-2-methoxy- phenyl]-N-*
 19 *(2-methoxy-2-oxoethyl)-glycine, methyl ester)*
 20 *(CAS No. 88938–51–6); Disperse Green GNA (N-*
 21 *[5-(acetylamino)-2-methoxy- 4-[2-(5-nitro- 2,1-*
 22 *benzothiazol-3-yl)diazenyl]phenyl]-N- (2-*
 23 *methoxy-2-oxoethyl)-glycine, methyl ester) (CAS*
 24 *No. 1235882–84–4); Disperse Yellow FC60954*
 25 *(4-[2-(5-cyano-1,6-dihydro-2-hydroxy-1,4-di-*

1 (B) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (103) *DISPERSE YELLOW 184:1.—Heading*
4 *9902.07.97 is amended—*

5 (A) by amending the article description to
6 read as follows: “Disperse Yellow 232 (3-(5-
7 chloro-2-benzoxazolyl)-7-(diethyl-amino)-2H-1-
8 benzopyran-2-one) (CAS No. 35773-43-4) (pro-
9 vided for in subheading 3204.11.35)”; and

10 (B) by striking “12/31/2020” and inserting
11 “12/31/2023”.

12 (104) *MIXTURES OF DISPERSE BLUE ANT (BR)*
13 *AND OTHER DYES.—Heading 9902.07.98 is amend-*
14 *ed—*

15 (A) by amending the article description to
16 read as follows: “Mixtures of Disperse Blue ANT
17 (Br) (N-[5-(acetylamino)-4-[2- (2-bromo-4,6-
18 dinitrophenyl)diazenyl]-2-methoxyphenyl]-N- (2-
19 methoxy-2-oxoethyl)-glycine, methyl ester) (CAS
20 No. 88938-51-6); Disperse Green GNA (N-[5-
21 (acetylamino)-2-methoxy-4-[2-(5-nitro-2,1-
22 benzothiazol-3-yl)diazenyl]phenyl]-N-(2-
23 methoxy-2-oxoethyl)-glycine, methyl ester) (CAS
24 No. 1235882-84-4); Disperse Yellow FC60954
25 (4-[2-(5-cyano-1,6-dihydro-2-hydroxy- 1,4-di-

1 (B) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (106) MIXTURES OF DISPERSE BLUE 7 AND
4 OTHER DYES.—Heading 9902.08.03 is amended—

5 (A) by amending the article description to
6 read as follows: “Mixtures of Disperse Blue 77
7 (1-anilino-4,5-dihydroxy-8-nitro-9,10-
8 anthraquinone) (CAS No. 20241-76-3); Disperse
9 Red 1042A (5-[2-(2-Cyano-4-
10 nitrophenyl)diazenyl]-2-[[2-(2-
11 hydroxyethoxy)ethyl]amino]-4-methyl-6-
12 (phenylamino)-3-pyridinecarbonitrile) (CAS No.
13 149988-44-3); Disperse Red 1042B (5-[(2-
14 cyano-4-nitrophenyl)diazenyl]-6-[[2-(2-
15 hydroxyethoxy)ethyl]amino]-4-methyl-2-
16 (phenylamino)-3-pyridine carbonitrile) (CAS
17 No. 137428-29-6) and Disperse Orange
18 FC84508 (Cyano[3-[(6-methoxy-2-
19 benzothiazolyl)amino]-1H- isoindol-1-
20 ylidene]acetic acid, pentyl ester) (CAS No.
21 173285-74-0) (provided for in 3204.11.35”);
22 and

23 (B) by striking “12/31/2020” and inserting
24 “12/31/2023”.

1 (107) *MIX OF DISPERSE YELLOW 163, ETC. (DX*
 2 *BLACK HLA-E)*.—*Heading 9902.08.04 is amended—*

3 (A) *by amending the article description to*
 4 *read as follows: “Mixtures of Disperse Yellow 163*
 5 *(3,3'-({4-[(2,6-dichloro-4-nitrophenyl)diazanyl]*
 6 *phenyl} imino) dipropanenitrile) (CAS No.*
 7 *67923-43-7); Disperse Red 167:1 ({3-*
 8 *(acetylamino)-4-[(2-chloro-4-*
 9 *nitrophenyl)azo]phenyl}imino) diethane-2,1-diyl*
 10 *diacetate) (CAS No. 1533-78-4); Disperse red 60*
 11 *(1-amino-4-hydroxy-2-phenoxy-9,10-*
 12 *anthracenedione) (CAS No. 17418-58-5); Dis-*
 13 *perse Blue 77 (1-anilino-4,5-dihydroxy-8-nitro-*
 14 *9,10-anthraquinone) (CAS No. 20241-76-3);*
 15 *Disperse Blue 56 (1,5-diamino-2-bromo-4,8-*
 16 *dihydroxy-9,10-anthraquinone) (CAS No.*
 17 *68134-65-6); Disperse Blue 214 E (4,8-diamino-*
 18 *2-(4-ethoxyphenyl)-1,5-dihydroxy-9,10-*
 19 *anthraquinone) (CAS No. 15114-15-5) and Dis-*
 20 *perse Blue 214 EE (4,8-diamino-2-[4-(2-*
 21 *ethoxyethoxy) phenyl]-1,5-dihydroxy-9,10-*
 22 *anthraquinone) (CAS No. 23119-35-9) (pro-*
 23 *vided for in subheading 3204.11.35)”; and*

24 (B) *by striking “12/31/2020” and inserting*
 25 *“12/31/2023”.*

1 (108) MIX OF DISPERSE RED 356, 367, &
 2 H111030.—Heading 9902.08.05 is amended—

3 (A) by amending the article description to
 4 read as follows: “Mixtures of Disperse Red 356
 5 (3-phenyl-7-(4-propoxypheno- nyl)furo[2,3-
 6 ff][1]benzofuran-2,6-dione) (CAS No. 79694–17–
 7 0); Disperse Red 367 ([4-(2,6-dihydro-2,6-dioxo-
 8 7-phenylbenzo[1,2- b:4,5-b']difuran-3-
 9 yl)phenoxy]-acetic acid, 2-ethoxyethyl ester)
 10 (CAS No. 126877–05–2) and Disperse Red
 11 H1111030 ([4-[2,6-dihydro-2,6-dioxo-7-(4-
 12 propoxypheno- nyl)benzo[1,2-b:4,5-b']difuran-3-
 13 yl]phenoxy]-acetic acid, 2-ethoxyethyl ester)
 14 (CAS No. 126877–06–3) (provided for in sub-
 15 heading 3204.11.35)”; and

16 (B) by striking “12/31/2020” and inserting
 17 “12/31/2023”.

18 (109) MIX OF DISPERSE RED 1042A & DISPERSE
 19 RED 1042B.—Heading 9902.08.06 is amended—

20 (A) by amending the article description to
 21 read as follows: “Mixtures of Disperse Red
 22 1042A (5-[2-(2-cyano-4-nitro- phenyl)diazenyl]-
 23 2-[[2-(2-hydroxyethoxy)ethyl]amino]-4-methyl-6-
 24 (phenylamino)-3-pyridine carbonitrile) (CAS
 25 No. 149988–44–3) and Disperse Red 1042B (5-

1 [(2-cyano-4-nitrophenyl)dia- zenyl]-6-[[2-(2-
 2 hydroxyethoxy)ethyl]amino]-4- methyl-2-
 3 (phenylamino)-3-pyridine carbonitrile) (CAS
 4 No. 137428–29–6) (provided for in subheading
 5 3204.11.35)”; and

6 (B) by striking “12/31/2020” and inserting
 7 “12/31/2023”.

8 (110) MIX OF DISPERSE BLUE 77, 60 M, & DIS-
 9 PERSE YELLOW 71.—Heading 9902.08.07 is amend-
 10 ed—

11 (A) by amending the article description to
 12 read as follows: “Mixtures of Disperse Blue 77
 13 (1-anilino-4,5-dihydroxy-8-nitro-9,10-
 14 anthraquinone) (CAS No. 20241–76–3); Disperse
 15 Blue 60 M (4,11-diamino-2-(3-methoxypropyl)-
 16 1H-naphtho[2,3-f]isoindole-1,3,5,10(2H)-tetrone)
 17 (CAS No. 12217–80–0); and Disperse Yellow 71
 18 (9 (or 10)-Methoxy-7H-benzimidazo[2,1-
 19 a]benz[de]iso-quinolin-7-one) (CAS No. 68296–
 20 59–3) (provided for in subheading 3204.11.35)”;
 21 and

22 (B) by striking “12/31/2020” and inserting
 23 “12/31/2023”.

24 (111) DISPERSE YELLOW 64.—Heading
 25 9902.08.12 is amended—

1 (A) by amending the article description to
2 read as follows: “Disperse Yellow 64 (2-(4-bromo-
3 3-hydroxy-2-quinolinyl)-1H-indene-1,3(2H)-
4 dione) (CAS No. 10319–14–9) (provided for in
5 subheading 3204.11.50)”; and

6 (B) by striking “12/31/2020” and inserting
7 “12/31/2023”.

8 (112) MIX OF DISPERSE BLUE 73 A & DISPERSE
9 BLUE 73 P.—Heading 9902.08.13 is amended—

10 (A) by amending the article description to
11 read as follows: “Mixtures of Disperse Blue 73 A
12 (1,5-diamino-4,8-dihydroxy(4-methoxyphenyl)-
13 9,10-anthracenedione) (CAS No. 31288–44–5)
14 and Disperse Blue 73 P (1,5-diamino-4,8-
15 dihydroxy(4-hydroxyphenyl)-9,10-
16 anthracenedione) (CAS No. 31529–83–6) (pro-
17 vided for in subheading 3204.11.50)”; and

18 (B) by striking “12/31/2020” and inserting
19 “12/31/2023”.

20 (113) ACID RED 92 (PHLOXINE DISODIUM
21 SALT).—Heading 9902.08.14 is amended—

22 (A) by amending the article description to
23 read as follows: “Acid Red 92 (disodium 2,3,4,5-
24 tetrachloro-6-(2,4,5,7-tetrabromo-6-oxido-3-oxo-
25 3H-xanthen-9-yl)benzoate) (Phloxine B) (CAS

1 No. 18472–87–2) (provided for in subheading
2 3204.12.20)”; and

3 (B) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (114) SOLVENT BLUE 182.—Heading 9902.08.15
6 is amended—

7 (A) by amending the article description to
8 read as follows: “Acid Blue 182 (disodium;4-[4-
9 [acetyl(methyl)amino]-2-sulfonatoanilino]-1-
10 amino-9,10-dioxoanthracene-2-sulfonate) (CAS
11 No. 72152–54–6) (provided for in subheading
12 3204.12.20)”; and

13 (B) by striking “12/31/2020” and inserting
14 “12/31/2023”.

15 (115) SANODAL DEEP BLACK HBL.—Heading
16 9902.08.19 is amended—

17 (A) by amending the article description to
18 read as follows: “Tetrasodium [7-amino-3-[(3-
19 chloro-2-hydroxy-5-nitrophenyl)azo]-4-hydroxy
20 -2-naphthalenesulfonato(3-)] [6-amino-4- hy-
21 droxy-3-[(2-hydroxy-5-nitro-3-sulfophenyl)azo]-2-
22 naphthalene-sulfonato(4-)]-chromate(4-)
23 (Sanodal Deep Black HBL) (CAS No. 184719–
24 87–7) (provided for in subheading 3204.12.45)”;
25 and

1 (B) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (116) ACID RED 182.—Heading 9902.08.20 is
4 amended—

5 (A) by amending the article description to
6 read as follows: “Acid Red 182 (sodium [4-(hy-
7 droxy-κO)-3-{[2- (hydroxy-κO)-1-
8 naphthyl]diazanyl}benzenesulfon- amidato(2-
9)][4-hydroxy-3-{[2-(hydroxy-κO)-1-
10 naphthyl]diazanyl}ben- zenesulfonamidato(2-
11)]cobaltate(1-)) (CAS No. 58302–43–5) (provided
12 for in subheading 3204.12.45)”; and

13 (B) by striking “12/31/2020” and inserting
14 “12/31/2023”.

15 (117) ACID ORANGE 67.—Heading 9902.08.21 is
16 amended—

17 (A) by amending the article description to
18 read as follows: “Sodium 4-({3-[(E)-(2-methyl-4-
19 {[(4-methylphenyl)sulfonyl]
20 oxy}phenyl)diazanyl]phenyl}amino)-3-
21 nitrobenzenesulfonate (Acid Orange 67) (CAS
22 No. 12220–06–3) (provided for in subheading
23 3204.12.45)”; and

24 (B) by striking “12/31/2020” and inserting
25 “12/31/2023”.

1 (118) ACID BLUE 324.—Heading 9902.08.22 is
2 amended—

3 (A) by amending the article description to
4 read as follows: “Sodium 4-[(3-
5 acetamidophenyl)amino]-1-amino-9,10- dioxo-
6 9,10-dihydro-2-anthracenesulfonate (Acid Blue
7 324) (CAS No. 70571–81–2) (provided for in
8 subheading 3204.12.45)”; and

9 (B) by striking “12/31/2020” and inserting
10 “12/31/2023”.

11 (119) ACID BLUE 171.—Heading 9902.08.23 is
12 amended—

13 (A) by amending the article description to
14 read as follows: “Acid Blue 171 (sodium [6-
15 (amino-κN)-5-[2-[2-(hydroxy-κO)-4-
16 nitrophenyl]diazanyl-κN1]-N-methyl-2-
17 naphthalenesulfonamidato(2-)] [6-(amino-κN)-5-
18 [2-[2-(hydroxy-κO)-4-nitro- phenyl]diazanyl-
19 κN1]-2-naphthalenesulfonato(3-)]-Cobaltate(2-)
20 (1:2) (1:2)) (CAS No. 75314–27–1) (provided for
21 in subheading 3204.12.45)”; and

22 (B) by striking “12/31/2020” and inserting
23 “12/31/2023”.

24 (120) MIXTURES OF ACID BLACK 220A AND ACID
25 BLACK 220 B.—Heading 9902.08.24 is amended—

1 (A) by amending the article description to
 2 read as follows: “Mixtures of Acid Black 220 A
 3 (chromate(2-), [3-hydroxy-4-[(2-hydroxy-1-
 4 naphthalenyl)azo]-7-nitro-1-
 5 naphthalenesulfonato(3-)] [1-[(2-hydroxy-5-
 6 nitrophenyl)azo]-2-naphthalenolato(2-)]-, lithium
 7 sodium) (CAS No. 85828–76–8) and Acid Black
 8 220 B (chromate(2-), [3-hydroxy-4-[(2-hydroxy-
 9 1- naphthalenyl)azo]-7-nitro-1-
 10 naphthalenesulfonato(3-)] [N-[7-hydroxy-8-[(2-
 11 hydroxy-5-nitrophenyl)azo]-1-
 12 naphthalenyl]acetamidato(2-)]-, lithium sodium)
 13 (CAS No. 85828–75–7) (provided for in sub-
 14 heading 3204.12.45)”; and

15 (B) by striking “12/31/2020” and inserting
 16 “12/31/2023”.

17 (121) ACID RED 87 (EOSINE DISODIUM SALT).—
 18 Heading 9902.08.25 is amended—

19 (A) by amending the article description to
 20 read as follows: “Acid Red 87 (eosine disodium
 21 salt) (disodium 2-(2,4,5,7-tetrabromo-6-oxido-3-
 22 oxoxanthen-9-yl)benzoate) (CAS No. 17372–87–
 23 1) (provided for in subheading 3204.12.50)”; and

24 (B) by striking “12/31/2020” and inserting
 25 “12/31/2023”.

1 (122) *ACID DYES; ACID BLUE 9.*—*Heading*
2 9902.08.26 *is amended—*

3 (A) *by amending the article description to*
4 *read as follows: “Acid Brilliant Blue FCF*
5 *FOOD Blue No. 1 (Acid Blue 9) (disodium 2-*
6 *{4-[ethyl(3-sulfonatobenzyl)amino]phenyl} {4-*
7 *[ethyl(3-sulfonatobenzyl)iminio]cyclohexa-2,5-*
8 *dien-1-ylidene}methyl) benzenesulfonate) (CAS*
9 *No. 3844-45-9) (provided for in subheading*
10 *3204.12.50)”*; and

11 (B) *by striking “12/31/2020” and inserting*
12 *“12/31/2023”.*

13 (123) *ACID BLUE 80.*—*Heading 9902.08.27 is*
14 *amended—*

15 (A) *by amending the article description to*
16 *read as follows: “Acid Blue 80 (disodium 3,3’-*
17 *[(9,10-dioxo-9,10-dihydroanthra- cene-1,4-*
18 *diyl)diimino]bis(2,4,6-trimethyl-*
19 *benzenesulfonate) (CAS No. 4474-24-2) (pro-*
20 *vided for in subheading 3204.12.50)”*; and

21 (B) *by striking “12/31/2020” and inserting*
22 *“12/31/2023”.*

23 (124) *BASIC YELLOW 40 DYE.*—*Heading*
24 9902.08.29 *is amended—*

1 (A) by amending the article description to
 2 read as follows: “Basic Yellow 40 (2-[7-
 3 (diethylamino)-2-oxo-2H-chromen- 3-yl]-1,3-di-
 4 methyl-1H-3,1-benzimidazol-3-ium chloride)
 5 (CAS No. 29556–33–0) (provided for in sub-
 6 heading 3204.13.10)”; and

7 (B) by striking “12/31/2020” and inserting
 8 “12/31/2023”.

9 (125) BASIC RED 1:1.—Heading 9902.08.31 is
 10 amended—

11 (A) by amending the article description to
 12 read as follows: “Basic Red 1:1 (3,6-bis
 13 (ethylamino)-9-[2-(methoxycarbonyl) phenyl]-
 14 2,7-dimethylxanthenium chloride) (CAS No.
 15 3068–39–1) (provided for in subheading
 16 3204.13.80)”; and

17 (B) by striking “12/31/2020” and inserting
 18 “12/31/2023”.

19 (126) DIRECT BLUE 71.—Heading 9902.08.35 is
 20 amended—

21 (A) by amending the article description to
 22 read as follows: “Direct Blue 71 (tetrasodium 3-
 23 [(E)-{4-[(E)-{4-[(E)-(6-amino-1-hydroxy-3-
 24 sulfonato-2-naphthyl) diazenyl]-6-sulfonato-1-
 25 naphthyl} diazenyl]-1-naphthyl} diazenyl]-1,5-

1 naphthalenedisulfonate) (CAS No. 4399–55–7)
2 (provided for in subheading 3204.14.50”); and

3 (B) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (127) *DIRECT BLUE 279*.—Heading 9902.08.36 is
6 amended—

7 (A) by amending the article description to
8 read as follows: “Direct Blue 279 (4-N-(5,8-
9 dimethoxy-2,4-dimethylquinolin-6-yl)-1-N,1-N-
10 diethylpentane- 1,4-diamine) (CAS No. 72827-
11 89–5) (provided for in subheading 3204.14.50”);
12 and

13 (B) by striking “12/31/2020” and inserting
14 “12/31/2023”.

15 (128) *DIRECT VIOLET 51*.—Heading 9902.08.37
16 is amended—

17 (A) by amending the article description to
18 read as follows: “Disodium 7-anilino-3-[(E)-{4-
19 [(E)-(2,4-dimethyl-6-sulfonatophenyl) diazenyl]-
20 2-methoxy-5-methylphenyl} diazenyl]-4-hydroxy-
21 2-naphthalenesulfonate (Direct Violet 51) (CAS
22 No. 5489–77–0) (provided for in subheading
23 3204.14.50”); and

24 (B) by striking “12/31/2020” and inserting
25 “12/31/2023”.

1 (129) *DIRECT VIOLET 9 CRUDE*.—*Heading*
2 9902.08.38 is amended—

3 (A) by amending the article description to
4 read as follows: “Disodium 7-anilino-4-hydroxy-
5 3-({2-methoxy-5-methyl-4-[(4-sulfonatophenyl)
6 diazenyl] phenyl} diazenyl)-2-
7 naphthalenesulfonate (*Direct Violet 9*) (CAS No.
8 6227–14–1) (provided for in subheading
9 3204.14.50)”; and

10 (B) by striking “12/31/2020” and inserting
11 “12/31/2023”.

12 (130) *VAT RED 15*.—*Heading* 9902.08.41 is
13 amended—

14 (A) by amending the article description to
15 read as follows: “Vat Red 15
16 (bisbenzimidazo[2,1-b:1',2'-
17 j]benzo[lmn][3,8]phenanthroline-6,9-dione) (CAS
18 No. 4216–02–8) (provided for in subheading
19 3204.15.30)”; and

20 (B) by striking “12/31/2020” and inserting
21 “12/31/2023”.

22 (131) *VAT BLUE 66*.—*Heading* 9902.08.42 is
23 amended—

24 (A) by amending the article description to
25 read as follows: “Vat Blue 66 (9,10-

1 anthracenedione,1,1'-[(6-phenyl- 1,3,5-triazine-
 2 2,4-diyl)diimino]bis(3''-acetyl-4-amino-)) (CAS
 3 No. 32220-82-9) (provided for in subheading
 4 3204.15.30)"; and

5 (B) by striking "12/31/2020" and inserting
 6 "12/31/2023".

7 (132) REACTIVE BLUE 19.—Heading 9902.08.48
 8 is amended—

9 (A) by amending the article description to
 10 read as follows: "Reactive Blue 19 (Disodium 1-
 11 amino-9,10-dioxo-4-[(3-{[2-(sulfonatoxy)ethyl]
 12 sulfonyl} phenyl) amino]-9,10-dihydro-2-
 13 anthracenesulfonate) (CAS No. 2580-78-1) (pro-
 14 vided for in subheading 3204.16.20)"; and

15 (B) by striking "12/31/2020" and inserting
 16 "12/31/2023".

17 (133) MIXTURES OF REACTIVE BLUE 19 AND RE-
 18 ACTIVE BLUE 187.—Heading 9902.08.50 is amended—

19 (A) by amending the article description to
 20 read as follows: "Mixtures of Reactive Blue 19
 21 (1-amino-9,10-dihydro-9,10-dioxo-4-[[3-[[2-
 22 (sulfooxy)ethyl]sulfonyl] phenyl] amino]-2-
 23 anthracenesulfonic acid, sodium salt (1:2)) (CAS
 24 No. 2580-78-1) and Reactive Blue 187 (1,1'-
 25 [(6,13-dichloro-4,11-disulfo-3,10-

1 triphenodioxazinediyl) bis [imino-2,1-
 2 ethanediylimino[6-[(2,5-disulfophenyl) amino]-
 3 1,3,5-triazine-4,2-diyl]]] bis [3-carboxy-,
 4 bis(inner salt), hexasodium salt) (CAS No.
 5 79771-28-1) (provided for in subheading
 6 3204.16.30)”; and

7 (B) by striking “12/31/2020” and inserting
 8 “12/31/2023”.

9 (134) REACTIVE BLUE FC75311.—Heading
 10 9902.08.51 is amended—

11 (A) by amending the article description to
 12 read as follows: “Reactive Blue FC75311 (so-
 13 dium [2-[2-[[2-[3-[[4-fluoro-6-[phenyl[2-[[2-
 14 (sulfooxy) ethyl]sulfonyl] ethyl]amino]-1,3,5-
 15 triazin-2-yl]amino]-2-(hydroxy-κO)-5-
 16 sulfophenyl] diazenyl-κN] phenylmethyl]
 17 diazenyl-κN]-4-sulfobenzoato (6-)-κO]-cuprate(4-
 18) (CAS No. 156830-72-7) (provided for in sub-
 19 heading 3204.16.30)”; and

20 (B) by striking “12/31/2020” and inserting
 21 “12/31/2023”.

22 (135) REACTIVE YELLOW F00-0155.—Heading
 23 9902.08.52 is amended—

24 (A) by amending the article description to
 25 read as follows: “Reactive Yellow F00-0155 (1H-

1 *xantheno[2,1,9-def]isoquinoline-5,9-disulfonic*
 2 *acid,* *2,3-dihydro-1,3-dioxo-2-[3-[[2-*
 3 *(sulfooxy)ethyl]sulfonyl]phenyl]-, potassium so-*
 4 *dium salt (1:?:?)) (CAS No. 1309975–18–5)*
 5 *(provided for in subheading 3204.16.30)’; and*
 6 *(B) by striking “12/31/2020” and inserting*
 7 *“12/31/2023”.*

8 *(136) MIXTURES OF REACTIVE RED 198 AND RE-*
 9 *ACTIVE RED 239.—Heading 9902.08.53 is amended—*

10 *(A) by amending the article description to*
 11 *read as follows: “Mixtures of Reactive Red 198*
 12 *(5-[[4-chloro-6-[(3-sulfophenyl) amino]-1,3,5-*
 13 *triazin-2-yl] amino]-4-hydroxy-3-[[4-[[2-*
 14 *(sulfoxy)ethyl] sulfonyl]phenyl]azo]-2,7-*
 15 *naphthalenedisulfonic acid, sodium salt (1:?)*
 16 *(CAS No. 78952–61–1) and Reactive Red 239*
 17 *(2-[2-[8-[[4-chloro-6-[[4-[[2-(sulfooxy)ethyl]*
 18 *sulfonyl] phenyl]amino]-1,3,5-triazin-2-*
 19 *yl]amino]-1-hydroxy-3,6- disulfo-2-*
 20 *naphthalenyl]diazenyl]-1,5-naphthalenedisulfonic*
 21 *acid, sodium salt (1:5)) (CAS No. 89157–03–9)*
 22 *(provided for in subheading 3204.16.30)’; and*
 23 *(B) by striking “12/31/2020” and inserting*
 24 *“12/31/2023”.*

1 (137) *REACTIVE BLUE 187*.—*Heading 9902.08.54*
2 *is amended—*

3 (A) *by amending the article description to*
4 *read as follows: “Reactive Blue 187 (1,1’-[(6,13-*
5 *dichloro-4,11-disulfo-3,10- triphenodioxazinediyl)*
6 *bis [imino-2,1-ethanediylimino [6-[(2,5-*
7 *disulfophenyl) amino]-1,3,5-triazine-4,2-diyl]]]*
8 *bis [3- carboxylatopyridinium], dihydroxide, bis*
9 *(inner salt), hexasodium salt) (CAS No. 79771-*
10 *28-1) (provided for in subheading 3204.16.30)”;*
11 *and*

12 (B) *by striking “12/31/2020” and inserting*
13 *“12/31/2023”.*

14 (138) *REACTIVE ORANGE 131*.—*Heading*
15 *9902.08.55 is amended—*

16 (A) *by amending the article description to*
17 *read as follows: “Reactive Orange 131 (2,4-*
18 *diamino-3-[4-(2-sulfoxyethylsulfonyl)-phenylazo]*
19 *-5-[4-(2-sulfoxyethylsulfonyl)-2-sulfophenylazo]-*
20 *benzenesulfonic acid, potassium sodium salt)*
21 *(CAS No. 187026-95-5) (provided for in*
22 *3204.16.30)”;* *and*

23 (B) *by striking “12/31/2020” and inserting*
24 *“12/31/2023”.*

1 (A) by amending the article description to
2 read as follows: “Copper chlorophthalocyanine,
3 crude not ready for use as pigment (CAS No.
4 12239–87–1) (provided for in subheading
5 3204.17.90)”; and

6 (B) by striking “12/31/2020” and inserting
7 “12/31/2023”.

8 (144) SOLVENT YELLOW 160:1.—Heading
9 9902.08.66 is amended—

10 (A) by amending the article description to
11 read as follows: “Solvent Yellow 160:1 (3-(5-
12 chloro-1,3-benzoxazol-2-yl)-7-
13 (diethylamino)chromen-2-one) (CAS No. 35773–
14 43–4) (provided for in subheading 3204.19.11)”;
15 and

16 (B) by striking “12/31/2020” and inserting
17 “12/31/2023”.

18 (145) SOLVENT BLUE 104.—Heading 9902.08.70
19 is amended—

20 (A) by amending the article description to
21 read as follows: “Solvent Blue 104 (1,4-
22 bis(mesitylamino)-9,10-anthraquinone) (CAS No.
23 116–75–6) (provided for in subheading
24 3204.19.20)”; and

1 (B) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (146) MONO OR DIPHthalIMIDO METHYL COP-
4 PER PHTHALOCYANINE.—Heading 9902.08.82 is
5 amended—

6 (A) by amending the article description to
7 read as follows: “Mono or diphthalimido methyl
8 copper phthalocyanine ([2-(29H, 31H-
9 phthalocyaninylmethyl) -1H -isoindole-1,3 (2H)-
10 dionato (2-)-N29, N30, N31, N32] copper) (CAS
11 No. 42739–64–0) (provided for in subheading
12 3204.19.50)”; and

13 (B) by striking “12/31/2020” and inserting
14 “12/31/2023”.

15 (147) SOLUBILIZED SULPHUR BLACK 1.—Head-
16 ing 9902.08.83 is amended—

17 (A) by amending the article description to
18 read as follows: “Solubilized Sulphur Black 1
19 (CAS No. 1326–83–6) (provided for in sub-
20 heading 3204.19.50)”; and

21 (B) by striking “12/31/2020” and inserting
22 “12/31/2023”.

23 (148) PHTHALOCYANINE BLUE ADDITIVE.—
24 Heading 9902.08.86 is amended—

1 (A) by amending the article description to
 2 read as follows: “N, N-Dimethyl-N-octadecyl-1-
 3 octadecanaminium-(Sp-4-2)- [29H, 31H-
 4 phthalocyanine-2- sulfonato- N29, N30,N31,
 5 N32] cuprate (phthalocyanine blue additive)
 6 (CAS No. 70750–63–9) (provided for in sub-
 7 heading 3204.90.00)”; and

8 (B) by striking “12/31/2020” and inserting
 9 “12/31/2023”.

10 (149) PIGMENT YELLOW 184.—Heading
 11 9902.08.89 is amended—

12 (A) by amending the article description to
 13 read as follows: “Pigment Yellow 184 (bismuth
 14 vanadium oxide) (CAS No. 14059–33–7) (pro-
 15 vided for in subheading 3206.49.60)”; and

16 (B) by striking “12/31/2020” and inserting
 17 “12/31/2023”.

18 (150) POLYMERIC WETTING AGENT.—Heading
 19 9902.09.11 is amended—

20 (A) by amending the article description to
 21 read as follows: “Mixtures of 1-butanol (CAS No.
 22 71–36–3); 1-propoxy-2-propanol (mixed isomers)
 23 (CAS No. 1569–01–3); siloxanes and silicones,
 24 dimethyl, 3-hydroxypropyl methyl, ethoxylated
 25 propoxylated (CAS No. 68937–55–3); 2-

1 *methyloxirane, oxirane, 3-prop-2-enoxyprop-1-*
2 *ene (CAS No. 9041-33-2); urea, polymer with*
3 *formaldehyde, methylated (CAS No. 68071-45-*
4 *4); 2-propanol (CAS No. 67-63-0); 2-amino-2-*
5 *methyl-1-propanol (CAS No. 124-68-5); 2-meth-*
6 *yl-2-(methylamino)-1-propanol (CAS No. 27646-*
7 *80-6); methanol (CAS No. 67-56-1) and water*
8 *(CAS No. 7732-18-5) (provided for in sub-*
9 *heading 3402.19.50)”; and*

10 *(B) by striking “12/31/2020” and inserting*
11 *“12/31/2023”.*

12 (151) *PARTY POPPER.—Heading 9902.09.15 is*
13 *amended—*

14 *(A) by amending the article description to*
15 *read as follows: “Party poppers (Class 1.4G)*
16 *(provided for in subheading 3604.90.00)”; and*

17 *(B) by striking “12/31/2020” and inserting*
18 *“12/31/2023”.*

19 (152) *β-CYFLUTHRIN FORMULATIONS.—Heading*
20 *9902.09.19 is amended—*

21 *(A) by amending the article description to*
22 *read as follows: “Product mixtures containing*
23 *(RS)-α-cyano-4-fluoro-3-phenoxybenzyl*
24 *(1RS,3RS,1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-*
25 *dimethylcyclopropanecarboxylate (β-Cyfluthrin)*

1 (CAS No. 68359–37–5) (provided for in sub-
2 heading 3808.91.25)”; and

3 (B) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (153) IMIDACLOPRID AND β -CYFLUTHRIN FORMU-
6 LATIONS.—Heading 9902.09.21 is amended—

7 (A) by amending the article description to
8 read as follows: “Product mixtures containing 1-
9 (6-chloro-3-pyridinyl)methyl-N-
10 nitroimidazolidin-2-ylideneamine (Imidacloprid)
11 (CAS No. 138261–41–3) and (RS)- α -cyano-4-
12 fluoro-3-phenoxybenzyl (1RS, 3RS;1RS, 3SR)-
13 3-(2,2-dichlorovinyl)-2,2-
14 dimethylcyclopropanecarboxylate (β -Cyfluthrin)
15 (CAS No. 68359–37–5) (provided for in sub-
16 heading 3808.91.25)”; and

17 (B) by striking “12/31/2020” and inserting
18 “12/31/2023”.

19 (154) ACEQUINOCYL.—Heading 9902.09.28 is
20 amended—

21 (A) by amending the article description to
22 read as follows: “Mixtures of 3-dodecyl-1,4-dioxo-
23 1,4-dihydronaphthalen-2-yl acetate (CAS No.
24 57960–19–7) (Acequinocyl) and application ad-

1 *2-methylbut-2-enoyl*] *oxy*] *octahydro-1H-naphtho*
2 *[1,8a-c:4,5-b'c'] difuran-5,10a (8H)-dicarboxylate*
3 *(Azadirachtin) (CAS No. 11141-17-6) (provided*
4 *for in subheading 3808.91.50)”; and*

5 *(B) by striking “12/31/2020” and inserting*
6 *“12/31/2023”.*

7 (157) *INSECTICIDES, AROMATIC OR MODIFIED*
8 *AROMATIC.—Heading 9902.09.38 is amended—*

9 *(A) by amending the article description to*
10 *read as follows: “Mixtures of 1-methyl-2-nitro-3-*
11 *(oxolan-3-ylmethyl)guanidine (Dinotefuran)*
12 *(CAS No. 165252-70-0) with application adju-*
13 *vants (provided for in subheading 3808.91.50)”;*
14 *and*

15 *(B) by striking “12/31/2020” and inserting*
16 *“12/31/2023”.*

17 (158) *METALAXYL, PENFLUFEN, AND*
18 *PROTHIOCONAZOLE FUNGICIDES.—Heading*
19 *9902.09.40 is amended—*

20 *(A) by amending the article description to*
21 *read as follows: “Product mixtures containing*
22 *methyl N-(2-methoxyacetyl)-N-(2,6-xyllyl)-DL-*
23 *alaninate (Metalaxyl) (CAS No. 57837-19-1), 5-*
24 *fluoro-1,3-dimethyl-N-[2-(4-methylpentan-2-yl)*
25 *phenyl] -1H-pyrazole-4-carboxamide (Penflufen)*

1 (CAS No. 494793–67–8) and 2-[(2*RS*)-2-(1-
2 chlorocyclopropyl)-3-(2-chlorophenyl)-2-
3 hydroxypropyl]-2*H*-1,2,4-triazole-3(4*H*)-thione
4 (Prothioconazole) (CAS No. 178928–70–6) (pro-
5 vided for in subheading 3808.92.15”); and

6 (B) by striking “12/31/2020” and inserting
7 “12/31/2023”.

8 (159) *FLUOXASTROBIN FORMULATIONS*.—Head-
9 ing 9902.09.41 is amended—

10 (A) by amending the article description to
11 read as follows: “Product mixtures containing
12 (*E*)-{2-[6-(2-chlorophenoxy)-5-fluoropyrimidin-4-
13 yloxy] phenyl} (5,6-dihydro-1,4,2-dioxazin-3-yl)
14 methanone *O*-methyloxime (Fluoxastrobin) (CAS
15 No. 361377–29–9) (provided for in subheading
16 3808.92.15”); and

17 (B) by striking “12/31/2020” and inserting
18 “12/31/2023”.

19 (160) *FLUOPYRAM AND TEBUCONAZOLE FORMU-*
20 *LATIONS*.—Heading 9902.09.48 is amended—

21 (A) by amending the article description to
22 read as follows: “Product mixtures containing *N*-
23 {2-[3-chloro-5-(trifluoromethyl)-2-
24 pyridinyl]ethyl}-2-(trifluoromethyl) benzamide
25 (Fluopyram) (CAS No. 658066–35–4) and 1-(4-

1 chlorophenyl)-4,4-dimethyl-3-(1H-1,2,4-triazol-1-
 2 ylmethyl) pentan-3-ol (Tebuconazole) (CAS No.
 3 107534-96-3) (provided for in subheading
 4 3808.92.15)”; and

5 (B) by striking “12/31/2020” and inserting
 6 “12/31/2023”.

7 (161) TRIFLOXYSTROBIN AND TEBUCONAZOLE
 8 FORMULATIONS.—Heading 9902.09.53 is amended—

9 (A) by amending the article description to
 10 read as follows: “Product mixtures containing
 11 methyl (E)-methoxyimino-{(E)-2-[1-(α,α,α -
 12 trifluoro-m-tolyl) ethylideneaminoxy]-o-
 13 tolyl}acetate (Trifloxystrobin) (CAS No. 141517-
 14 21-7) and (RS)-1-p-chlorophenyl-4,4-dimethyl-3-
 15 (1H-1,2,4-triazol-1-ylmethyl) pentan-3-ol
 16 (Tebuconazole) (CAS No. 107534-96-3) (pro-
 17 vided for in subheading 3808.92.15)”; and

18 (B) by striking “12/31/2020” and inserting
 19 “12/31/2023”.

20 (162) FLUOPYRAM + PYRIMETHANIL FORMULA-
 21 TIONS.—Heading 9902.09.54 is amended—

22 (A) by amending the article description to
 23 read as follows: “Product mixtures containing N-
 24 [2-[3-chloro-5-(trifluoromethyl)pyridin-2-
 25 yl]ethyl]-2-(trifluoromethyl) benzamide

1 *(Fluopyram)* (CAS No. 658066–35–4) and 4,6-
 2 *dimethyl-N-phenyl-2-pyrimidinamine*
 3 *(Pyrimethanil)* (CAS No. 53112–28–0) (provided
 4 for in subheading 3808.92.15)”; and
 5 (B) by striking “12/31/2020” and inserting
 6 “12/31/2023”.

7 (163) *FLUOPYRAM AND TRIFLOXYSTROBIN FOR-*
 8 *MULATIONS.—Heading 9902.09.55 is amended—*

9 (A) by amending the article description to
 10 read as follows: “Product mixtures containing N-
 11 [2-[3-chloro-5-(trifluoromethyl)pyridin-2-
 12 yl]ethyl]-2-(trifluoromethyl) benzamide
 13 *(Fluopyram)* (CAS No. 658066–35–4) and meth-
 14 yl (E)-methoxyimino-{(E)-2-[1-(α , α , α -trifluoro-
 15 m-tolyl) ethylideneaminoxy]-o-tolyl} acetate
 16 *(Trifloxystrobin)* (CAS No. 141517–21–7) (pro-
 17 vided for in subheading 3808.92.15)”; and

18 (B) by striking “12/31/2020” and inserting
 19 “12/31/2023”.

20 (164) *TRIFLOXYSTROBIN FORMULATIONS.—*
 21 *Heading 9902.09.57 is amended—*

22 (A) by amending the article description to
 23 read as follows: “Product mixtures containing
 24 methyl (2E)-(methoxyimino)[2-({(E)-{1-[3-
 25 (trifluoromethyl) phenyl] ethyl-

1 *idene}amino]oxy}methyl)phenyl]acetate*
 2 *(Trifloxystrobin) (CAS No. 141517–21–7) (pro-*
 3 *vided for in subheading 3808.92.15)”; and*

4 *(B) by striking “12/31/2020” and inserting*
 5 *“12/31/2023”.*

6 *(165) FLUOPYRAM AND PROTHIOCONAZOLE FOR-*
 7 *MULATIONS.—Heading 9902.09.58 is amended—*

8 *(A) by amending the article description to*
 9 *read as follows: “Product mixtures containing N-*
 10 *[2-[3-chloro-5-(trifluoromethyl)pyridin-2-*
 11 *yl]ethyl]-2-(trifluoromethyl) benzamide*
 12 *(Fluopyram) (CAS No. 658066–35–4) and (RS)-*
 13 *2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-*
 14 *hydroxypropyl] -2,4-dihydro-1,2,4-triazole-3-*
 15 *thione (Prothioconazole) (CAS No. 178928–70–6)*
 16 *(provided for in subheading 3808.92.15)”; and*

17 *(B) by striking “12/31/2020” and inserting*
 18 *“12/31/2023”.*

19 *(166) PROTHIOCONAZOLE FORMULATIONS.—*
 20 *Heading 9902.09.59 is amended—*

21 *(A) by amending the article description to*
 22 *read as follows: “Product mixtures containing 2-*
 23 *[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-*
 24 *hydroxypropyl] -1,2-dihydro-3H-1,2,4-triazole-3-*

1 *thione (Prothioconazole) (CAS No. 178928–70–6)*
2 *(provided for in subheading 3808.92.15)”; and*

3 *(B) by striking “12/31/2020” and inserting*
4 *“12/31/2023”.*

5 (167) *FLUOPYRAM FORMULATIONS.—Heading*
6 *9902.09.61 is amended—*

7 *(A) by amending the article description to*
8 *read as follows: “Mixtures of N-[2-[3-chloro-5-*
9 *(trifluoromethyl) pyridin-2-yl]ethyl]-2-*
10 *(trifluoromethyl) benzamide (Fluopyram) (CAS*
11 *No. 658066–35–4) (provided for in subheading*
12 *3808.92.15)”; and*

13 *(B) by striking “12/31/2020” and inserting*
14 *“12/31/2023”.*

15 (168) *FLUOPYRAM AND IMIDACLOPRID FORMULA-*
16 *TIONS.—Heading 9902.09.62 is amended—*

17 *(A) by amending the article description to*
18 *read as follows: “Mixtures of N-[2-[3-chloro-5-*
19 *(trifluoromethyl) pyridin-2-yl]ethyl]-2-*
20 *(trifluoromethyl) benzamide (Fluopyram) (CAS*
21 *No. 658066–35–4) and N-[1-[(6-chloropyridin-3-*
22 *yl)methyl]-4,5-dihydroimidazol-2-yl] nitramide*
23 *(Imidacloprid) (CAS No. 138261–41–3) (pro-*
24 *vided for in subheading 3808.92.15)”; and*

1 (B) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (169) *IPRODIONE AND TRIFLOXYSTROBIN FORMU-*
4 *LATIONS.—Heading 9902.09.70 is amended—*

5 (A) by amending the article description to
6 read as follows: “Mixtures containing 3-(3,5-
7 dichlorophenyl)-*N*-isopropyl-2,4-dioxo-1-
8 imidazolidinecarboxamide (*Iprodione*) (CAS No.
9 36734–19–7) and methyl (2*E*)-(methoxyimino)
10 [2-({[(*E*)-{1-[3-(trifluoromethyl)
11 phenyl]ethylidene}amino]oxy}methyl)phenyl] ac-
12 etate (*Trifloxystrobin*) (CAS No. 141517–21–7)
13 (provided for in subheading 3808.92.15)”; and

14 (B) by striking “12/31/2020” and inserting
15 “12/31/2023”.

16 (170) *TETRACONAZOLE AND AZOXYSTROBIN.—*
17 *Heading 9902.09.71 is amended—*

18 (A) by amending the article description to
19 read as follows: “Mixtures of 1-[2-(2,4-
20 dichlorophenyl)-3-(1,1,2,2-tetrafluoroethoxy)-
21 propyl]-1*H*-1,2,4-triazole (*Tetraconazole*) (CAS
22 No. 112281–77–3), methyl (2*E*)-2-(2-{{6-(2-
23 cyanophenoxy)-4-pyrimidinyl}oxy}phenyl)-3-
24 methoxyacrylate (*Azoxystrobin*) (CAS No.

1 131860–33–8) and application adjuvants (pro-
2 vided for in subheading 3808.92.15)”; and

3 (B) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (171) MIXTURES OF AT LEAST 95 PERCENT BY
6 WEIGHT ALLYL ISOTHIOCYANATE AND APPLICATION
7 ADJUVANTS.—Heading 9902.09.75 is amended—

8 (A) by amending the article description to
9 read as follows: “Mixtures of at least 95 percent
10 by weight allyl isothiocyanate (3-isothiocyanato-
11 1-propene) (CAS No. 57–06–7), and application
12 adjuvants (provided for in subheading
13 3808.92.28)”; and

14 (B) by striking “12/31/2020” and inserting
15 “12/31/2023”.

16 (172) POLYOXIN D ZINC SALT.—Heading
17 9902.09.79 is amended—

18 (A) by amending the article description to
19 read as follows: “Formulations of zinc 1-
20 {(2R,3R,4S,5R)-5-[(S)-{[(2S,3S,4S)-2-amino-5-
21 carbamoyloxy]-3,4-dihydroxypentanoyl]
22 amino}(carboxylato)methyl]-3,4-
23 dihydroxytetrahydro-2-furanyl}-2,4-dioxo-
24 1,2,3,4-tetrahydro-5-pyrimidinecarboxylate

1 *(Polyoxin D zinc salt) (CAS No. 146659–78–1)*
2 *(provided for in subheading 3808.92.50)”; and*
3 *(B) by striking “12/31/2020” and inserting*
4 *“12/31/2023”.*

5 (173) *FORAMSULFURON FORMULATIONS.—Head-*
6 *ing 9902.09.87 is amended—*

7 *(A) by amending the article description to*
8 *read as follows: “Mixtures of 2-[[[(4,6-*
9 *dimethoxy-2-*
10 *pyrimidinyl)amino]carbonyl]amino]sulfonyl]-4-*
11 *(formylamino)-N,N-dimethylbenzamide*
12 *(Foramsulfuron) (CAS No. 173159–57–4) and*
13 *application adjuvants (provided for in sub-*
14 *heading 3808.93.15)”; and*

15 *(B) by striking “12/31/2020” and inserting*
16 *“12/31/2023”.*

17 (174) *INDAZIFLAM AND RIMSULFURON FORMULA-*
18 *TIONS.—Heading 9902.09.90 is amended—*

19 *(A) by amending the article description to*
20 *read as follows: “Product mixtures containing N-*
21 *[(1R,2S)-2,6-dimethyl-2,3-dihydro-1H-inden-1-*
22 *yl]-6-[(1R)-1-fluoroethyl] -1,3,5-triazine-2,4-*
23 *diamine (Indaziflam) (CAS No. 950782–86–2)*
24 *and N-[(4,6-dimethoxy-2-pyrimidinyl) car-*
25 *bamoyl] -3-(ethylsulfonyl)-2-pyridinesulfonamide*

1 *(Rimsulfuron)* (CAS No. 122931–48–0) (pro-
2 vided for in subheading 3808.93.15)”; and

3 (B) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (175) *PACLOBUTRAZOL FORMULATIONS*.—Head-
6 ing 9902.09.92 is amended—

7 (A) by amending the article description to
8 read as follows: “*Mixtures of (2RS, 3RS)-1-(4-*
9 *chlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-*
10 *yl)pentan-3-ol (Paclobutrazol)* (CAS No. 76738–
11 62–0) and application adjuvants (provided for
12 in subheading 3808.93.15)”; and

13 (B) by striking “12/31/2020” and inserting
14 “12/31/2023”.

15 (176) *PROSULFURON*.—Heading 9902.09.93 is
16 amended—

17 (A) by amending the article description to
18 read as follows: “*Mixtures of N-[(4-methoxy-6-*
19 *methyl-1,3,5-triazin-2-yl)carbamoyl]-2-(3,3,3-*
20 *trifluoropropyl)* *benzenesulfonamide*
21 *(Prosulfuron)* (CAS No. 94125–34–5) and appli-
22 cation adjuvants (provided for in subheading
23 3808.93.15)”; and

24 (B) by striking “12/31/2020” and inserting
25 “12/31/2023”.

1 (177) MIXTURES OF RIMSULFURON.—Heading
2 9902.10.03 is amended—

3 (A) by amending the article description to
4 read as follows: “Mixtures of N-[(4,6-dimethoxy-
5 2-pyrimidinyl) amino] carbonyl]-3-
6 (ethylsulfonyl)-2-pyridinesulfonamide
7 (Rimsulfuron) (CAS No. 122931-48-0) and ap-
8 plication adjuvants (provided for in subheading
9 3808.93.15)”; and

10 (B) by striking “12/31/2020” and inserting
11 “12/31/2023”.

12 (178) CERTAIN HERBICIDES FOR USE ON CERE-
13 ALS.—Heading 9902.10.04 is amended—

14 (A) by amending the article description to
15 read as follows: “Product mixtures containing
16 methyl 4-[(3-methoxy-4-methyl-5-oxo-4,5-
17 dihydro-1H-1,2,4-triazol-1-yl)carbonyl] sul-
18 famoyl}-5-methyl-3-thiophenecarboxylate
19 (Thiencarbazone-methyl) (CAS No. 317815-83-
20 1), methyl 2-[(4,6-dimethoxy-2-pyrimidinyl)
21 carbamoyl] sulfamoyl}-4-
22 {[(methylsulfonyl)amino]methyl} benzoate
23 (Mesosulfuron-methyl) (CAS No. 208465-21-8)
24 and diethyl 1-(2,4-dichlorophenyl)-5-methyl-4,5-
25 dihydro-1H-pyrazole -3,5-dicarboxylate

1 (*Mefenpyr-diethyl*) (CAS No. 135590–91–9)
 2 (*provided for in subheading 3808.93.15*”); and
 3 (B) by striking “12/31/2020” and inserting
 4 “12/31/2023”.

5 (179) *HERBICIDES FOR WEED CONTROL IN*
 6 *GRASSY AREAS.—Heading 9902.10.11 is amended—*

7 (A) by amending the article description to
 8 read as follows: “*Mixtures containing methyl 4-*
 9 *{[(3-methoxy-4-methyl-5-oxo-4,5-dihydro-1H-*
 10 *1,2,4-triazol-1-yl) carbonyl] sulfamoyl}-5-meth-*
 11 *yl-3-thiophenecarboxylate (Thiencarbazone-meth-*
 12 *yl) (CAS No. 317815–83–1); 2-{[(4,6-*
 13 *Dimethoxy-2-pyrimidinyl) carbamoyl] sul-*
 14 *famoyl}-4-formamido-*N,N*-dimethylbenzamide*
 15 (*Foramsulfuron*) (CAS No. 173159–57–4); and
 16 methyl 3-chloro-5-{[(4,6-dimethoxy-2-
 17 pyrimidinyl) carbamoyl] sulfamoyl}-1-methyl
 18 -1*H*-pyrazole-4-carboxylate (*Halosulfuron-meth-*
 19 *yl) (CAS No. 100784–20–1) and application ad-*
 20 *juvants (provided for in subheading*
 21 *3808.93.15).*”); and

22 (B) by striking “12/31/2020” and inserting
 23 “12/31/2023”.

24 (180) *MIXTURES OF ORTHOSULFAMURON.—*
 25 *Heading 9902.10.12 is amended—*

1 (A) by amending the article description to
2 read as follows: “Mixtures of 1-(4,6-
3 dimethoxypyrimidin-2-yl)-3-[2-
4 dimethylcarbamoyl) phenylsulfamoyl] urea
5 (Orthosulfamuron) (CAS No. 213464-77-8) and
6 application adjuvants (provided for in sub-
7 heading 3808.93.20)”; and

8 (B) by striking “12/31/2020” and inserting
9 “12/31/2023”.

10 (181) *PROPARGITE MIXTURES*.—Heading
11 9902.10.19 is amended—

12 (A) by amending the article description to
13 read as follows: “Mixtures containing 2-[4-(2-
14 methyl-2-propanyl)phenoxy]cyclohexyl 2-propyn-
15 1-yl sulfite (CAS No. 2312-35-8) (Propargite)
16 and application adjuvants (provided for in sub-
17 heading 3808.99.95)”; and

18 (B) by striking “12/31/2020” and inserting
19 “12/31/2023”.

20 (182) *MIXTURES USED IN RUBBER PRODUC-*
21 *TION*.—Heading 9902.10.28 is amended—

22 (A) by amending the article description to
23 read as follows: “Mixtures of zinc dicyanato
24 diamine ((*T*-4)-diamminebis(cyanato-κ*N*)-zinc)
25 (CAS No. 122012-52-6) with an elastomer bind-

1 *er of ethylene-propylene-diene monomer and*
2 *ethyl vinyl acetate, and dispersing agents (pro-*
3 *vided for in subheading 3812.10.50)”; and*

4 *(B) by striking “12/31/2020” and inserting*
5 *“12/31/2023”.*

6 *(183) ANTIDEGRADANTS.—Heading 9902.10.31*
7 *is amended—*

8 *(A) by amending the article description to*
9 *read as follows: “Antioxidizing preparations for*
10 *rubber consisting of a mixture of 1,3-dihydro-4-*
11 *methyl-2H-benzimidazole-2-thione and 1,3-*
12 *dihydro-5-methyl-2H-benzimidazole-2-thione, in*
13 *the form of zinc salts (CAS No. 61617–00–3)*
14 *(provided for in subheading 3812.39.60)”; and*

15 *(B) by striking “12/31/2020” and inserting*
16 *“12/31/2023”.*

17 *(184) ANTIOXIDIZING PREPARATIONS.—Heading*
18 *9902.10.32 is amended—*

19 *(A) by amending the article description to*
20 *read as follows: “Antioxidizing preparations for*
21 *plastics containing 2,4-dimethyl-6-(1-*
22 *methylpentadecyl)phenol (CAS No. 134701–20–*
23 *5) (provided for in subheading 3812.39.60)”; and*

24 *(B) by striking “12/31/2020” and inserting*
25 *“12/31/2023”.*

1 (185) *PHENOL, 4-METHYL-, REACTION PROD-*
2 *UCTS.—Heading 9902.10.35 is amended—*

3 (A) *by amending the article description to*
4 *read as follows: “4-Methylphenol-*
5 *tricyclo[5.2.2.0_{2,6}]undecane (1:1) (CAS No.*
6 *68610–51–5) (provided for in subheading*
7 *3812.39.60)”*; and

8 (B) *by striking “12/31/2020” and inserting*
9 *“12/31/2023”.*

10 (186) *PRODUCT USED IN AGRICULTURAL FILM.—*
11 *Heading 9902.10.36 is amended—*

12 (A) *by amending the article description to*
13 *read as follows: “Hindered amine light and ther-*
14 *mal stabilizers for plastics containing 1,6-*
15 *hexanediamine,N1,N6-bis(2,2,6,6-tetramethyl-4-*
16 *piperidinyl)-, polymer with 2,4,6-trichloro-1,3,5-*
17 *triazine, reaction products with 3-bromo-1-*
18 *propene,N-butyl-1-butanamine and N-butyl-*
19 *2,2,6,6-tetramethyl-4-piperidinamine, oxidized,*
20 *hydrogenated (CAS No. 247243–62–5) (provided*
21 *for in subheading 3812.39.90)”*; and

22 (B) *by striking “12/31/2020” and inserting*
23 *“12/31/2023”.*

24 (187) *LIGHT STABILIZER/UV-ABSORBER FOR*
25 *COATINGS.—Heading 9902.10.50 is amended—*

1 (A) by amending the article description to
2 read as follows: “Preparations based on *N*-(2-
3 ethoxyphenyl)-*N*'-[4-(10-methylundecyl)phenyl]
4 ethanediamide (CAS No. 82493-14-9) (provided
5 for in subheading 3824.99.28)”; and

6 (B) by striking “12/31/2020” and inserting
7 “12/31/2023”.

8 (188) MIXTURES OF C₅-C₁₈ PERFLUOROCARBON
9 ALKANES, PERFLUOROCARBON AMINES, AND
10 PERFLUOROCARBON ETHERS.—Heading 9902.10.57 is
11 amended—

12 (A) by amending the article description to
13 read as follows: “Mixtures of C₅-C₁₈
14 perfluorocarbon alkanes, perfluorocarbon amines,
15 and/or perfluorocarbon ethers (CAS No. 86508-
16 42-1) (provided for in subheading 3824.99.92)”;
17 and

18 (B) by striking “12/31/2020” and inserting
19 “12/31/2023”.

20 (189) METHOXSILANATED AMORPHOUS POLY
21 ALPHA OLEFIN.—Heading 9902.10.69 is amended—

22 (A) by amending the article description to
23 read as follows: “Silane, ethenyltrimethoxy-, re-
24 action products with 1-butene-ethylene-propene

1 *polymer (CAS No. 832150–35–3) (provided for*
2 *in subheading 3902.30.00)”; and*

3 *(B) by striking “12/31/2020” and inserting*
4 *“12/31/2023”.*

5 (190) *ACID FORM DISPERSION.—Heading*
6 *9902.10.79 is amended—*

7 *(A) by amending the article description to*
8 *read as follows: “Poly(1,1,2,2-tetrafluoro-2-*
9 *[(trifluoroethenyl)oxy]ethanesulfonyl fluoride-co-*
10 *tetrafluoroethylene) (CAS No. 1163733–25–2)*
11 *(provided for in subheading 3904.69.50)”; and*

12 *(B) by striking “12/31/2020” and inserting*
13 *“12/31/2023”.*

14 (191) *FLUOROPOLYMER LITHIUM SALT POW-*
15 *DER.—Heading 9902.10.81 is amended—*

16 *(A) by amending the article description to*
17 *read as follows: “Poly(1,1,2,2-tetrafluoro-2-*
18 *[(trifluoroethenyl)oxy]ethanesulfonyl fluoride-co-*
19 *tetrafluoroethylene) lithium salt (CAS No.*
20 *1687740–67–5) (provided for in subheading*
21 *3904.69.50)”; and*

22 *(B) by striking “12/31/2020” and inserting*
23 *“12/31/2023”.*

24 (192) *FLUOROPOLYMER, POLYVINYL, AMMONIUM*
25 *SALT.—Heading 9902.10.82 is amended—*

1 (B) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (195) CERTAIN MIXTURE FOR USE IN
4 GREASES.—Heading 9902.10.87 is amended—

5 (A) by amending the article description to
6 read as follows: “Mixture of poly(1-
7 [difluoro(trifluoromethoxy)methoxy]-1,1,2,2-
8 tetrafluoro -2-(trifluoromethoxy)ethane) (CAS
9 No. 69991–61–3) and
10 Perfluoropolymethylisopropyl ether (CAS No.
11 69991–67–9) (provided for in subheading
12 3904.69.50)”; and

13 (B) by striking “12/31/2020” and inserting
14 “12/31/2023”.

15 (196) ADDITIVE FOR RUST PREVENTION.—Head-
16 ing 9902.10.90 is amended—

17 (A) by amending the article description to
18 read as follows: “1-Propene, 1,1,2,3,3,3-
19 Hexafluoro-, oxidized, polymerized, reduced,
20 hydrolized reaction products with ammonia
21 (CAS No. 370097–12–4) (provided for in sub-
22 heading 3904.69.50)”; and

23 (B) by striking “12/31/2020” and inserting
24 “12/31/2023”.

1 (197) *MOLD RELEASE AGENT.*—*Heading*
2 9902.10.95 is amended—

3 (A) by amending the article description to
4 read as follows: “*Ethene, tetrafluoro, oxidized,*
5 *polymerized, reduced, methyl esters, reduced,*
6 *ethoxylated (CAS No. 162492–15–1) (provided*
7 *for in subheading 3904.69.50)*”; and

8 (B) by striking “12/31/2020” and inserting
9 “12/31/2023”.

10 (198) *POLYVINYL FORMAL RESIN.*—*Heading*
11 9902.11.02 is amended—

12 (A) by amending the article description to
13 read as follows: “*Polyvinyl formal resin (ethenol;*
14 *[(ethenyloxy)methoxy]ethene (CAS Nos. 63450–*
15 *15–7, 63148–64–1, and 9003–33–2) (provided*
16 *for in subheading 3905.91.10)*”; and

17 (B) by striking “12/31/2020” and inserting
18 “12/31/2023”.

19 (199) *SOIL ENHANCER.*—*Heading 9902.11.11 is*
20 *amended—*

21 (A) by amending the article description to
22 read as follows: “*Starch-g-poly (propenamide-co-*
23 *2-propenoic acid) potassium salt (CAS No.*
24 *863132–14–3) (provided for in subheading*
25 *3906.90.50)*”; and

1 (B) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (200) UV LIGHT ABSORBER.—Heading
4 9902.11.12 is amended—

5 (A) by amending the article description to
6 read as follows: “Mixtures of α -(3-(3-(2H-
7 benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-
8 hydroxyphenyl) -1-oxopropyl)- ω -hydroxy-poly
9 (oxy-1,2-ethanediyl) (CAS No. 104810-48-2); α -
10 (3-(3-(2H-benzotriazol-2-yl)-5-(1,1-
11 dimethylethyl)-4-hydroxyphenyl) -1-oxopropyl)-
12 ω - (3-(3-(2H-benzotriazol-2-yl) -5-(1,1-
13 dimethylethyl) -4-hydroxyphenyl) -1-
14 oxopropoxy)-poly (oxy-1,2-ethanediyl) (CAS No.
15 104810-47-1) and polyethylene glycol (CAS No.
16 25322-68-3) (provided for in subheading
17 3907.20.00)”; and

18 (B) by striking “12/31/2020” and inserting
19 “12/31/2023”.

20 (201) HIGH-PERFORMANCE DISPERSANT USE IN
21 CONCRETE.—Heading 9902.11.13 is amended—

22 (A) by amending the article description to
23 read as follows: “Oxirane, 2-methyl-, polymer
24 with oxirane, monoether with 1,2-propanediol
25 mono(2-methyl-2-propenoate) (CAS No. 220846-

1 90–2) (provided for in subheading 3907.20.00”);
2 and

3 (B) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (202) HDI-BASED POLYISOCYANATE.—Heading
6 9902.11.49 is amended—

7 (A) by amending the article description to
8 read as follows: “Poly(1,6-diisocyanatohexane)-
9 block-polyethylene-block-poly (1-butoxypropan-2-
10 ol) (CAS No. 125252–47–3) (provided for in sub-
11 heading 3911.90.90)”;

12 (B) by striking “12/31/2020” and inserting
13 “12/31/2023”.

14 (203) IPDI BASED ALIPHATIC
15 POLYISOCYANATE.—Heading 9902.11.50 is amend-
16 ed—

17 (A) by amending the article description to
18 read as follows: “N,N',N''-[(2,4,6-Trioxo-1,3,5-tri-
19 azine-1,3,5(2H,4H,6H)-triyyl) tris [meth-
20 ylene(3,5,5-trimethyl-3,1-cyclohexanediyl)]] tris
21 [hexahydro-2-oxo-1H-azepine-1-carboxamide]
22 (CAS No. 68975–83–7) in organic solvent (pro-
23 vided for in subheading 3911.90.90)”;

24 (B) by striking “12/31/2020” and inserting
25 “12/31/2023”.

1 (204) HDI BASED ALIPHATIC
2 POLYISOCYANATE.—Heading 9902.11.51 is amend-
3 ed—

4 (A) by amending the article description to
5 read as follows: “3,5-Dimethyl-1H-pyrazole-
6 oligo(hexamethylene diisocyanate) in solvents
7 (CAS No. 163206–31–3) (provided for in sub-
8 heading 3911.90.90)”; and

9 (B) by striking “12/31/2020” and inserting
10 “12/31/2023”.

11 (205) STRIPS OF 100% EPTFE SEALANT 3 MM < 30
12 MM.—Heading 9902.11.79 is amended—

13 (A) by amending the article description to
14 read as follows: “Strips wholly of expanded
15 poly(tetrafluoroethylene) (PTFE) (CAS No.
16 9002–84–0), noncellular, with adhesive backing,
17 of a thickness greater than 3 mm but not over
18 30 mm, presented rolled in spools, certified by
19 the importer as having a tensile strength of 24.1
20 MPa or higher per ASTM F-152 (provided for in
21 subheading 3916.90.50)”; and

22 (B) by striking “12/31/2020” and inserting
23 “12/31/2023”.

24 (206) E-PTFE SHEETS 1.6 MM ≤ 3.00 MM FOR
25 SEALANTS.—Heading 9902.11.88 is amended—

1 (A) by amending the article description to
2 read as follows: “Expanded
3 poly(tetrafluoroethylene) (PTFE) nonadhesive
4 cellular sheets, of a thickness greater than 1.5
5 mm but not more than 3 mm, certified by the
6 importer as having a tensile strength of at least
7 48.3 MPa per ASTM F-152 (CAS No. 9002–84–
8 0) (provided for in subheading 3921.19.00)”; and
9 (B) by striking “12/31/2020” and inserting
10 “12/31/2023”.

11 (207) *E-PTFE SHEETS 3.1 MM ≤ 6.00 MM FOR*
12 *SEALANTS.—Heading 9902.11.89 is amended—*

13 (A) by amending the article description to
14 read as follows: “Expanded
15 poly(tetrafluoroethylene) (PTFE) nonadhesive
16 cellular sheets, of a thickness greater than 3 mm
17 but not more than 6 mm, certified by the im-
18 porter as having a tensile strength of at least
19 48.3 MPa per ASTM F-152 (CAS No. 9002–84–
20 0) (provided for in subheading 3921.19.00)”; and
21 (B) by striking “12/31/2020” and inserting
22 “12/31/2023”.

23 (208) *PLASTIC HANDLES FOR COOLERS.—Head-*
24 *ing 9902.12.02 is amended—*

1 (A) by amending the article description to
2 read as follows: “Handles of plastics for coolers
3 (provided for in subheading 3926.90.25)”; and

4 (B) by striking “12/31/2020” and inserting
5 “12/31/2023”.

6 (209) GOLF BAG COMPONENT TOP BOTTOM DI-
7 VIDER.—Heading 9902.12.05 is amended—

8 (A) by amending the article description to
9 read as follows: “Plastic components of a kind
10 used as one-piece internal top and bottom divid-
11 ers for golf bags (provided for in subheading
12 3926.90.99)”; and

13 (B) by striking “12/31/2020” and inserting
14 “12/31/2023”.

15 (210) PLASTIC LIP FOR DUSTPANS.—Heading
16 9902.12.07 is amended—

17 (A) by amending the article description to
18 read as follows: “Cut-to-shape pieces or profiles
19 of polyvinyl chloride plastics, the foregoing de-
20 signed to be attached to the edge of a dustpan
21 tray having contact with the floor or other sur-
22 face, rigid and flexible in form, each measuring
23 24.77 cm to 30 cm in length and 1.35 cm to 1.87
24 cm in width, valued not over \$0.09 each (pro-
25 vided for in subheading 3926.90.99)”; and

1 (B) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (211) *THREE-WAY CAMERA MOUNTS.*—*Heading*
4 9902.12.11 is amended—

5 (A) by amending the article description to
6 read as follows: “Accessories of plastics for cam-
7 eras of subheading 8525.80.40, each incor-
8 porating a handheld camera grip, folding exten-
9 sion arms and a tripod screwed into the base of
10 the handle the foregoing measuring between 50
11 and 53 cm when fully extended without the tri-
12 pod, 62 to 65 cm when fully extended with the
13 tripod and 18 to 21 cm when folded and col-
14 lapsed (provided for in subheading 3926.90.99)”;
15 and

16 (B) by striking “12/31/2020” and inserting
17 “12/31/2023”.

18 (212) *BUOYANT PISTOL GRIP CAMERA MOUNTS.*—
19 *Heading* 9902.12.13 is amended—

20 (A) by amending the article description to
21 read as follows: “Accessories of plastics, designed
22 for use with cameras of subheading 8525.80.40;
23 such goods measuring between 14 cm and 17 cm
24 in length, buoyant in water, each incorporating
25 a handle designed to allow a user to grip with

1 *the hand, an adjustable hand-strap and an ad-*
2 *justable thumb screw designed to permit mount-*
3 *ing of the camera and adjusting the viewing*
4 *angle of the camera on a pivot (provided for in*
5 *subheading 3926.90.99)”; and*

6 *(B) by striking “12/31/2020” and inserting*
7 *“12/31/2023”.*

8 (213) *SUCTION CUP CAMERA MOUNTS.—Heading*
9 *9902.12.14 is amended—*

10 *(A) by amending the article description to*
11 *read as follows: “Mounts of plastics, engineered*
12 *to attach to cameras of subheading 8525.80.40;*
13 *designed to attach to flat surfaces by means of a*
14 *round suction cup measuring between 8 and 10*
15 *cm in diameter; each incorporating x, y and z-*
16 *directional pivots to adjust the camera’s view-*
17 *point (provided for in subheading 3926.90.99)”;*
18 *and*

19 *(B) by striking “12/31/2020” and inserting*
20 *“12/31/2023”.*

21 (214) *RUBBER PET TOYS COVERED WITH*
22 *FELT.—Heading 9902.12.31 is amended—*

23 *(A) by amending the article description to*
24 *read as follows: “Toys for pets, of noncellular*
25 *vulcanized rubber other than hard rubber, each*

1 *with felt textile covering, without holes (provided*
2 *for in subheading 4016.99.20)”; and*

3 *(B) by striking “12/31/2020” and inserting*
4 *“12/31/2023”.*

5 (215) *CAMERA DIVE HOUSINGS.—Heading*
6 *9902.12.51 is amended—*

7 *(A) by amending the article description to*
8 *read as follows: “Camera cases of transparent*
9 *polycarbonate plastics, designed to encase cam-*
10 *eras of subheading 8525.80.40; each incor-*
11 *porating buttons for the operation of the camera,*
12 *an opaque plastic base that clips into a camera*
13 *mount, a thumb-screw on the base mount that al-*
14 *lows for adjustment of the camera viewing angle*
15 *on a pivot, a silicon gasket in the door of the*
16 *case that allows for waterproof operation of the*
17 *camera at a depth of more than 40 m but not*
18 *more than 60 m, a flat and optically coated*
19 *glass lens and a heat sink to dissipate camera*
20 *heat (provided for in subheading 4202.99.90)”;*
21 *and*

22 *(B) by striking “12/31/2020” and inserting*
23 *“12/31/2023”.*

1 (216) *WOVEN FABRIC OF CARDED VICUNA HAIR*
2 *OF A WEIGHT EXCEEDING 300 G/M².—Heading*
3 *9902.12.80 is amended—*

4 (A) *by amending the article description to*
5 *read as follows: “Woven fabrics of carded vicuna*
6 *hair, containing 85 percent or more by weight of*
7 *vicuna hair and of a weight exceeding 300 g/m²*
8 *(provided for in subheading 5111.19.60)”*; and

9 (B) *by striking “12/31/2020” and inserting*
10 *“12/31/2023”*.

11 (217) *WOVEN FABRIC OF COMBED VICUNA HAIR*
12 *OF A WEIGHT NOT EXCEEDING 200 G/M².—Heading*
13 *9902.12.81 is amended—*

14 (A) *by amending the article description to*
15 *read as follows: “Woven fabrics of combed vicuna*
16 *hair, such fabrics containing 85 percent or more*
17 *by weight of vicuna hair, of a weight not exceed-*
18 *ing 200 g/m² (provided for in subheading*
19 *5112.11.60)”*; and

20 (B) *by striking “12/31/2020” and inserting*
21 *“12/31/2023”*.

22 (218) *WOVEN FABRIC OF COMBED VICUNA HAIR*
23 *OF A WEIGHT EXCEEDING 200 G/M².—Heading*
24 *9902.12.82 is amended—*

1 (A) by amending the article description to
2 read as follows: “Woven fabrics of combed vicuna
3 hair, such fabrics containing 85 percent or more
4 by weight of vicuna hair and of a weight exceed-
5 ing 200 g/m² (provided for in subheading
6 5112.19.95)”; and

7 (B) by striking “12/31/2020” and inserting
8 “12/31/2023”.

9 (219) *FUSIBLE BONDING AND SEPARATION*
10 *YARN.*—*Heading 9902.12.88 is amended—*

11 (A) by amending the article description to
12 read as follows: “Synthetic filament yarn (other
13 than sewing thread) not put up for retail sale,
14 single, with a twist exceeding 50 turns/m, of
15 nylon or other polyamides, measuring 23 or
16 more but not over 840 decitex, each formed from
17 4 to 68 filaments and containing 10 percent or
18 more by weight of nylon 12 (provided for in sub-
19 heading 5402.51.00)”; and

20 (B) by striking “12/31/2020” and inserting
21 “12/31/2023”.

22 (220) *POLYACRYLONITRILE TOW WITH AN AVER-*
23 *AGE DECITEX OF 2.75.*—*Heading 9902.13.02 is*
24 *amended—*

1 (A) by amending the article description to
2 read as follows: “Acrylic filament tow
3 (polyacrylonitrile tow), containing by weight 92
4 percent or more of polyacrylonitrile, not more
5 than 0.01 percent of zinc and 2 percent or more
6 but not over 8 percent of water, dyed, presented
7 in the form of bundles of crimped product each
8 containing 214,000 filaments (plus or minus 10
9 percent) with an average decitex of 2.75 (plus or
10 minus 10 percent) and length greater than 2 me-
11 ters (provided for in subheading 5501.30.00)”;
12 and

13 (B) by striking “12/31/2020” and inserting
14 “12/31/2023”.

15 (221) POLYACRYLONITRILE TOW WITH AN AVER-
16 AGE DECITEX OF 3.3.—Heading 9902.13.03 is amend-
17 ed—

18 (A) by amending the article description to
19 read as follows: “Acrylic filament tow
20 (polyacrylonitrile tow) containing by weight 92
21 percent or more of polyacrylonitrile, not more
22 than 0.01 percent of zinc and 2 percent or more
23 but not over 8 percent of water, dyed, presented
24 in the form of bundles of crimped product each
25 containing 214,000 filaments (plus or minus 10

1 *percent) with an average decitex of 3.3 (plus or*
2 *minus 10 percent) and length greater than 2 me-*
3 *ters (provided for in subheading 5501.30.00)”;*
4 *and*

5 *(B) by striking “12/31/2020” and inserting*
6 *“12/31/2023”.*

7 (222) *ACRYLIC STAPLE FIBERS NOT PROCESSED*
8 *FOR SPINNING.—Heading 9902.13.20 is amended—*

9 *(A) by amending the article description to*
10 *read as follows: “Acrylic staple fibers*
11 *(polyacrylonitrile staple), not dyed and not*
12 *carded, combed or otherwise processed for spin-*
13 *ning, containing by weight 92 percent or more*
14 *of polyacrylonitrile, not more than 0.01 percent*
15 *of zinc and 2 percent or more but not over 8 per-*
16 *cent of water, with a decitex of 5 to 5.6, with a*
17 *fiber shrinkage of 0 to 22 percent and with a cut*
18 *fiber length of 80 mm to 150 mm (provided for*
19 *in subheading 5503.30.00)”; and*

20 *(B) by striking “12/31/2020” and inserting*
21 *“12/31/2023”.*

22 (223) *MODIFIED ACRYLIC FLAME RETARDANT*
23 *STAPLE FIBER WITH A DECITEX OF 2.7.—Heading*
24 *9902.13.21 is amended—*

1 (A) by amending the article description to
2 read as follows: “Modacrylic staple fibers, not
3 carded, combed or otherwise processed for spin-
4 ning, containing over 35 percent and less than
5 85 percent by weight of acrylonitrile, 2.7 decitex
6 (plus or minus 2 percent), natural in color, with
7 fiber length between 38 mm and 120 mm (pro-
8 vided for in subheading 5503.30.00)”; and

9 (B) by striking “12/31/2020” and inserting
10 “12/31/2023”.

11 (224) ACRYLIC FIBER STAPLE, DYED.—Heading
12 9902.13.23 is amended—

13 (A) by amending the article description to
14 read as follows: “Acrylic staple fiber
15 (polyacrylonitrile staple), dyed, not carded,
16 combed or otherwise processed for spinning, the
17 foregoing containing by weight 92 percent or
18 more of polyacrylonitrile, not more than 0.01
19 percent of zinc and 2 percent or more but not
20 over 8 percent of water, with a decitex of 3.3 to
21 5.6, a fiber shrinkage from 0 to 22 percent (pro-
22 vided for in subheading 5503.30.00)”; and

23 (B) by striking “12/31/2020” and inserting
24 “12/31/2023”.

1 (225) *FLAME RETARDANT RAYON FIBERS, 4.7*
2 *DECITEX.—Heading 9902.13.29 is amended—*

3 (A) *by amending the article description to*
4 *read as follows: “Artificial staple fibers of viscose*
5 *rayon, not carded, combed or otherwise processed*
6 *for spinning, each containing 28 percent or more*
7 *but not over 33 percent by weight of silica, meas-*
8 *uring 4.7 decitex and 60 mm in length (provided*
9 *for in subheading 5504.10.00)”*; and

10 (B) *by striking “12/31/2020” and inserting*
11 *“12/31/2023”.*

12 (226) *ACRYLIC STAPLE FIBERS PROCESSED AND*
13 *WITH A DECITEX OF 2.75 TO 3.3.—Heading 9902.13.36*
14 *is amended—*

15 (A) *by amending the article description to*
16 *read as follows: “Acrylic staple fibers, carded,*
17 *combed or otherwise processed for spinning, con-*
18 *taining by weight 92 percent or more of*
19 *polyacrylonitrile, not more than 0.01 percent of*
20 *zinc and 2 percent or more but not over 8 per-*
21 *cent of water, dyed or raw white (undyed), with*
22 *an average decitex of 2.75 to 3.30 (plus or minus*
23 *10 percent) (provided for in subheading*
24 *5506.30.00)”*; and

1 (B) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (227) *ACRYLIC STAPLE FIBERS PROCESSED AND*
4 *WITH A DECITEX OF 5.0 TO 5.6.—Heading 9902.13.38*
5 *is amended—*

6 (A) by amending the article description to
7 read as follows: “Acrylic staple fibers, carded,
8 combed or otherwise processed for spinning, con-
9 taining by weight 92 percent or more of
10 polyacrylonitrile, not more than 0.01 percent of
11 zinc and 2 percent or more but not over 8 per-
12 cent of water, dyed, with an average decitex of
13 5.0 to 5.6 (provided for in subheading
14 5506.30.00)”; and

15 (B) by striking “12/31/2020” and inserting
16 “12/31/2023”.

17 (228) *NEOPRENE WADING SOCKS.—Heading*
18 *9902.13.51 is amended—*

19 (A) by amending the article description to
20 read as follows: “Socks with uppers comprising
21 neoprene measuring 2.5 mm in thickness and
22 covered on both sides with jersey knitted fabric
23 of nylon; such socks with underfoots of breathable
24 neoprene measuring 2.5 to 3 mm in thickness
25 and covered on both sides with a jersey knitted

1 *fabric of nylon; the foregoing each formed ana-*
2 *tomically so as to be designed for the wearer’s*
3 *left or right foot (provided for in subheading*
4 *6115.96.90)”; and*

5 *(B) by striking “12/31/2020” and inserting*
6 *“12/31/2023”.*

7 (229) *TRAINING GLOVES.—Heading 9902.13.53*
8 *is amended—*

9 *(A) by amending the article description to*
10 *read as follows: “Training gloves of vulcanized*
11 *rubber other than of hard rubber (provided for in*
12 *subheading 4015.19.50) or of synthetic textile*
13 *materials (provided for in subheading*
14 *6116.93.08), such gloves of textile materials knit-*
15 *ted or crocheted”; and*

16 *(B) by striking “12/31/2020” and inserting*
17 *“12/31/2023”.*

18 (230) *BRAKE SEGMENTS.—Heading 9902.13.82*
19 *is amended—*

20 *(A) by amending the article description to*
21 *read as follows: “Nonwoven radial segment and*
22 *chordal orientation brake segments of oxidized*
23 *polyacrylonitrile fibers, made up and presented*
24 *as cut otherwise than into squares or rectangles,*
25 *such segments formed by needling web and*

1 *unidirectional tow fabrics together, the foregoing*
2 *designed for use in aircraft braking systems*
3 *(provided for in subheading 6307.90.98)”; and*

4 *(B) by striking “12/31/2020” and inserting*
5 *“12/31/2023”.*

6 (231) *SPORTS AND ATHLETIC FOOTWEAR FOR*
7 *WOMEN.—Heading 9902.14.32 is amended—*

8 *(A) by amending the article description to*
9 *read as follows: “Women’s sports footwear; tennis*
10 *shoes, basketball shoes, gym shoes, training shoes*
11 *and the like, with outer soles of rubber or plastics*
12 *and uppers of textile materials, such uppers of*
13 *which over 50 percent of the external surface*
14 *area (including any leather accessories or rein-*
15 *forcements such as those mentioned in note 4(a)*
16 *to chapter 64) is leather (provided for in sub-*
17 *heading 6404.11.20)”; and*

18 *(B) by striking “12/31/2020” and inserting*
19 *“12/31/2023”.*

20 (232) *MEN’S BOOTS FOR FISHING WADERS WITH*
21 *FELT OUTSOLES.—Heading 9902.14.53 is amended—*

22 *(A) by amending the article description to*
23 *read as follows: “Footwear for men, with vulcan-*
24 *ized uppers of neoprene measuring 7 mm in*
25 *thickness, covered with a polyester knit fleece on*

1 *the interior and coated with rubber on the exte-*
2 *rior; such footwear measuring (from the base of*
3 *the inner sole to the top of the upper) 20.32 cm*
4 *or more but not over 25.4 cm in height, with felt*
5 *outsoles; the foregoing waterproof, valued at \$40/*
6 *pr or higher and with each boot having a slit in*
7 *the top of upper collar to allow boot to be affixed*
8 *to a fishing wader (provided for in subheading*
9 *6405.20.90)”; and*

10 *(B) by striking “12/31/2020” and inserting*
11 *“12/31/2023”.*

12 (233) *CATALYTIC CONVERTER NEEDED BLAN-*
13 *KET MATS WITH A THICKNESS OF 10 MM OR MORE*
14 *AND NOT OVER 3 PERCENT OF BINDER.—Heading*
15 *9902.14.70 is amended—*

16 *(A) by amending the article description to*
17 *read as follows: “Catalytic converter needed*
18 *blanket mats of ceramic fibers, containing over*
19 *65 percent by weight of aluminum oxide and not*
20 *over 3 percent of acrylic latex organic binder, of*
21 *a basis weight greater than or equal to 1745 g/*
22 *m², measuring 10.0 mm or more in thickness;*
23 *the foregoing presented in bulk, sheets or rolls,*
24 *designed for use in motor vehicles of heading*

1 8703 (provided for in subheading 6806.10.00)”;
2 and

3 (B) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (234) CATALYTIC CONVERTER BLANKET MATS
6 WITH A THICKNESS BETWEEN 5 MM AND 9.9 MM AND
7 NOT OVER 3 PERCENT OF BINDER.—Heading
8 9902.14.71 is amended—

9 (A) by amending the article description to
10 read as follows: “Catalytic converter needled
11 blanket mats of ceramic fibers, containing over
12 65 percent by weight of aluminum oxide and not
13 over 3 percent by weight of acrylic latex organic
14 binder, of a basis weight less than 1745 g/m²,
15 measuring 5 mm or more but not over 9.9 mm
16 in thickness; presented in bulk, sheets or rolls, de-
17 signed for use in motor vehicles of heading 8703
18 (provided for in subheading 6806.10.00)”; and

19 (B) by striking “12/31/2020” and inserting
20 “12/31/2023”.

21 (235) CATALYTIC CONVERTER NEEDLED BLAN-
22 KET MATS WITH A THICKNESS BETWEEN 5 MM AND 9.9
23 MM AND BETWEEN 3 AND 7 PERCENT OF BINDER.—
24 Heading 9902.14.72 is amended—

1 (A) by amending the article description to
 2 read as follows: “Catalytic converter needed
 3 blanket mats of ceramic fibers containing over 65
 4 percent by weight of aluminum oxide, containing
 5 an acrylic latex organic binder of greater than
 6 3 percent and less than 7 percent by weight, of
 7 a basis weight less than 1745 g/m², measuring at
 8 least 5 mm or no more than 9.9 mm in thick-
 9 ness, in bulk, sheets or rolls, designed for motor
 10 vehicles of heading 8703 (provided for in sub-
 11 heading 6806.10.00)”; and

12 (B) by striking “12/31/2020” and inserting
 13 “12/31/2023”.

14 (236) CATALYTIC CONVERTER NEEDED BLAN-
 15 KET MATS WITH A THICKNESS OF 10 MM OR MORE
 16 AND BETWEEN 3 AND 7 PERCENT BINDER.—Heading
 17 9902.14.73 is amended—

18 (A) by amending the article description to
 19 read as follows: “Catalytic converter needed
 20 blanket mats of ceramic fibers, containing over
 21 65 percent by weight of aluminum oxide and 3
 22 percent or more but less than 7 percent by
 23 weight of acrylic latex organic binder, measuring
 24 10.0 mm or more in thickness, of a basis weight
 25 greater than or equal to 1745 g/m²; presented in

1 *bulk, sheets or rolls, designed for use in motor ve-*
2 *hicles of heading 8703 (provided for in sub-*
3 *heading 6806.10.00)”; and*

4 *(B) by striking “12/31/2020” and inserting*
5 *“12/31/2023”.*

6 (237) *CERTAIN SILVER WIRE.—Heading*
7 *9902.14.88 is amended—*

8 *(A) by amending the article description to*
9 *read as follows: “Silver wire, containing 90 per-*
10 *cent or more by weight of silver, but not more*
11 *than 93 percent by weight of silver, and con-*
12 *taining 6 percent or more by weight of tin oxide,*
13 *but not more than 9 percent by weight of tin*
14 *oxide (provided for in subheading 7106.92.50)”;*
15 *and*

16 *(B) by striking “12/31/2020” and inserting*
17 *“12/31/2023”.*

18 (238) *METAL GAUZES.—Heading 9902.14.90 is*
19 *amended—*

20 *(A) by amending the article description to*
21 *read as follows: “Gauzes containing platinum,*
22 *palladium and rhodium (provided for in sub-*
23 *heading 7115.10.00)”; and*

24 *(B) by striking “12/31/2020” and inserting*
25 *“12/31/2023”.*

1 (239) *STRIPS CONSISTING OF SILVER AND COP-*
2 *PER AND ZINC.—Heading 9902.14.91 is amended—*

3 (A) *by amending the article description to*
4 *read as follows: “Clad strips of silver, further*
5 *worked than semimanufactured, each containing*
6 *54 percent or more but not over 56 percent by*
7 *weight of silver; having three layers with one*
8 *layer containing 87 percent or more but not over*
9 *89 percent by weight of silver and 1.1 percent or*
10 *more but not over 3 percent of tin, a second*
11 *layer containing 99.9 percent or more by weight*
12 *of silver, and a third layer containing 14.5 per-*
13 *cent or more but not over 15.5 percent by weight*
14 *of silver, 79 percent or more but not over 81 per-*
15 *cent of copper and 4.8 percent or more but not*
16 *over 5.2 percent of phosphorus; measuring 15.65*
17 *mm in width and 0.95 mm in thickness, pre-*
18 *sented in coils (provided for in subheading*
19 *7115.90.40)”*; and

20 (B) *by striking “12/31/2020” and inserting*
21 *“12/31/2023”.*

22 (240) *GERMANIUM UNWROUGHT IN INGOT*
23 *FORM.—Heading 9902.15.13 is amended—*

24 (A) *by amending the article description to*
25 *read as follows: “Ingots of germanium, un-*

1 wrought, each weighing 0.5 kg or more but less
2 than 2 kg (provided for in subheading
3 8112.92.60)”; and

4 (B) by striking “12/31/2020” and inserting
5 “12/31/2023”.

6 (241) *TWEEZERS*.—Heading 9902.15.18 is
7 amended—

8 (A) by amending the article description to
9 read as follows: “Tweezers (provided for in sub-
10 heading 8203.20.20)”; and

11 (B) by striking “12/31/2020” and inserting
12 “12/31/2023”.

13 (242) *NAIL CLIPPERS, NAIL NIPPERS AND NAIL*
14 *FILES*.—Heading 9902.15.33 is amended—

15 (A) by amending the article description to
16 read as follows: “Nail nippers and clippers and
17 nail files, the foregoing other than nail nippers
18 and clippers with one or both blades having
19 rounded edged cut-outs and designed for use in
20 cutting nails of dogs, cats or other small pets
21 (including birds, rabbits, ferrets, hamsters, guinea
22 pigs or gerbils) (provided for in subheading
23 8214.20.30)”; and

24 (B) by striking “12/31/2020” and inserting
25 “12/31/2023”.

1 (243) *PORTABLE AIR CONDITIONER.*—*Heading*
2 9902.15.63 is amended—

3 (A) by amending the article description to
4 read as follows: “Air conditioning machines,
5 each incorporating a refrigerating unit, mounted
6 on wheels or castors, rated at less than 3.52 kW
7 per hour (provided for in subheading
8 8415.82.01)”; and

9 (B) by striking “12/31/2020” and inserting
10 “12/31/2023”.

11 (244) *ELECTRIC CYLINDRICAL COFFEE GRIND-*
12 *ERS.*—*Heading 9902.16.25 is amended—*

13 (A) by amending the article description to
14 read as follows: “Electromechanical domestic cy-
15 lindrical coffee grinders, each operated by push-
16 ing the plastic cover into the base, the foregoing
17 having a removable stainless steel bowl with a
18 capacity of more than 0.1 liter and not exceeding
19 0.2 liter (provided for in subheading
20 8509.40.00)”; and

21 (B) by striking “12/31/2020” and inserting
22 “12/31/2023”.

23 (245) *HANDHELD ELECTRIC CAN OPENERS.*—
24 *Heading 9902.16.32 is amended—*

1 (A) by amending the article description to
2 read as follows: “Hand-held battery-operated
3 automatic can openers, each with self-contained
4 electric motor, such can openers weighing not
5 over 20 kg exclusive of extra interchangeable
6 parts or detachable auxiliary devices (provided
7 for in subheading 8509.80.50)”; and

8 (B) by striking “12/31/2020” and inserting
9 “12/31/2023”.

10 (246) *FOOD BEATERS DESIGNED TO ATTACH TO*
11 *HANDHELD MIXERS.*—Heading 9902.16.33 is amend-
12 ed—

13 (A) by amending the article description to
14 read as follows: “Stainless steel food beaters, de-
15 signed for use solely on electromechanical hand-
16 held food mixers suitable for domestic purposes
17 (provided for in subheading 8509.90.55)”; and

18 (B) by striking “12/31/2020” and inserting
19 “12/31/2023”.

20 (247) *LAMP-HOLDER HOUSINGS OF POR-*
21 *CELAIN.*—Heading 9902.16.89 is amended—

22 (A) by amending the article description to
23 read as follows: “Lamp-holder housings of por-
24 celain, containing sockets (provided for in sub-
25 heading 8536.61.00)”; and

1 (B) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (248) CATHODE-RAY TUBES.—Heading
4 9902.16.94 is amended—

5 (A) by amending the article description to
6 read as follows: “Cathode-ray data/graphic dis-
7 play tubes, color, with a phosphor dot screen
8 pitch smaller than 0.4 mm and with less than
9 90-degree deflection (provided for in subheading
10 8540.40.10)”; and

11 (B) by striking “12/31/2020” and inserting
12 “12/31/2023”.

13 (249) ZEE CAGES.—Heading 9902.17.11 is
14 amended—

15 (A) by amending the article description to
16 read as follows: ““Z”-shaped water bottle holders
17 (cages) of alloy or composite material, designed
18 for use on bicycles (provided for in subheading
19 8714.99.80)”; and

20 (B) by striking “12/31/2020” and inserting
21 “12/31/2023”.

22 (250) OPTICAL ATTENUATORS.—Heading
23 9902.17.27 is amended—

24 (A) by amending the article description to
25 read as follows: “Optical attenuators designed to

1 *reduce the power level of an optical signal, either*
2 *in free space or in an optical fiber, such instru-*
3 *ments or apparatus specifically designed for tele-*
4 *communications (provided for in subheading*
5 *9013.80.90)”; and*

6 *(B) by striking “12/31/2020” and inserting*
7 *“12/31/2023”.*

8 *(251) SKI BINDINGS, VALUED NOT MORE THAN*
9 *\$55 EACH.—Heading 9902.17.55 is amended—*

10 *(A) by amending the article description to*
11 *read as follows: “Ski bindings (other than for*
12 *cross-country skis), valued not over \$55 each*
13 *(provided for in subheading 9506.12.80)”; and*

14 *(B) by striking “12/31/2020” and inserting*
15 *“12/31/2023”.*

16 *(c) MODIFICATION TO DUTY RATES.—*

17 *(1) ARTICHOKEs, IN VINEGAR.—Heading*
18 *9902.01.04 is amended—*

19 *(A) by striking “7.2%” and inserting*
20 *“Free”; and*

21 *(B) by striking “12/31/2020” and inserting*
22 *“12/31/2023”.*

23 *(2) ARTICHOKEs, OTHER THAN IN VINEGAR.—*
24 *Heading 9902.01.10 is amended—*

1 (A) by striking “12.7%” and inserting
2 “12%”; and

3 (B) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (3) *NICOTINE GUM*.—*Heading 9902.01.13 is*
6 *amended—*

7 (A) by striking “5.8%” and inserting
8 “5.7%”; and

9 (B) by striking “12/31/2020” and inserting
10 “12/31/2023”.

11 (4) *ISOHEXADECANE*.—*Heading 9902.01.19 is*
12 *amended—*

13 (A) by striking “Free” and inserting “1%”;
14 and

15 (B) by striking “12/31/2020” and inserting
16 “12/31/2023”.

17 (5) *SODIUM*.—*Heading 9902.01.20 is amended—*

18 (A) by striking “2.5%” and inserting
19 “Free”; and

20 (B) by striking “12/31/2020” and inserting
21 “12/31/2023”.

22 (6) *SODIUM CONTAINING NOT MORE THAN 200*
23 *PPM OF CALCIUM*.—*Heading 9902.01.21 is amend-*
24 *ed—*

1 (A) by striking “0.7%” and inserting
2 “3.6%”; and

3 (B) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (7) *HYDRAZINE 64%*.—*Heading 9902.01.38 is*
6 *amended—*

7 (A) by striking “Free” and inserting
8 “0.1%”; and

9 (B) by striking “12/31/2020” and inserting
10 “12/31/2023”.

11 (8) *GERMANIUM DIOXIDE (GeO₂)*.—*Heading*
12 *9902.01.39 is amended—*

13 (A) by striking “Free” and inserting “1%”;
14 and

15 (B) by striking “12/31/2020” and inserting
16 “12/31/2023”.

17 (9) *SODIUM TUNGSTATE DIHYDRATE*.—*Heading*
18 *9902.01.67 is amended—*

19 (A) by striking “Free” and inserting
20 “2.1%”; and

21 (B) by striking “12/31/2020” and inserting
22 “12/31/2023”.

23 (10) *MONOCHLOROBENZENE*.—*Heading*
24 *9902.01.85 is amended—*

1 (A) by striking “3.9%” and inserting
2 “3.8%”; and

3 (B) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (11) *P-DICHLOROBENZENE*.—Heading
6 9902.01.87 is amended—

7 (A) by striking “2.7%” and inserting
8 “4.4%”; and

9 (B) by striking “12/31/2020” and inserting
10 “12/31/2023”.

11 (12) *P-CHLOROBENZOTRIFLUORIDE*.—Heading
12 9902.01.88 is amended—

13 (A) by striking “4.3%” and inserting
14 “4.7%”; and

15 (B) by striking “12/31/2020” and inserting
16 “12/31/2023”.

17 (13) *METHANESULFONIC ACID*.—Heading
18 9902.02.02 is amended—

19 (A) by striking “0.8%” and inserting
20 “0.7%”; and

21 (B) by striking “12/31/2020” and inserting
22 “12/31/2023”.

23 (14) *LEAF ALCOHOL*.—Heading 9902.02.14 is
24 amended—

1 (A) by striking “Free” and inserting “1%”;

2 and

3 (B) by striking “12/31/2020” and inserting

4 “12/31/2023”.

5 (15) RESORCINOL.—Heading 9902.02.23 is
6 amended—

7 (A) by striking “Free” and inserting

8 “4.7%”; and

9 (B) by striking “12/31/2020” and inserting

10 “12/31/2023”.

11 (16) OXYFLUORFEN.—Heading 9902.02.35 is
12 amended—

13 (A) by striking “0.8%” and inserting

14 “3.5%”; and

15 (B) by striking “12/31/2020” and inserting

16 “12/31/2023”.

17 (17) GLYOXAL.—Heading 9902.02.45 is amend-
18 ed—

19 (A) by striking “0.2%” and inserting

20 “Free”; and

21 (B) by striking “12/31/2020” and inserting

22 “12/31/2023”.

23 (18) 4-PROPYL BENZALDEHYDE (NPBAL).—Head-
24 ing 9902.02.46 is amended—

1 (A) by striking “2.8%” and inserting
2 “4.2%”; and

3 (B) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (19) 4-(1,1-DIMETHYLETHYL)-ALPHA-M(LYSMERAL
6 EXTRA).—Heading 9902.02.48 is amended—

7 (A) by striking “Free” and inserting
8 “2.3%”; and

9 (B) by striking “12/31/2020” and inserting
10 “12/31/2023”.

11 (20) DIETHYL KETONE.—Heading 9902.02.54 is
12 amended—

13 (A) by striking “0.2%” and inserting
14 “1.7%”; and

15 (B) by striking “12/31/2020” and inserting
16 “12/31/2023”.

17 (21) CYCLOPENTANONE.—Heading 9902.02.59 is
18 amended—

19 (A) by striking “1.7%” and inserting
20 “Free”; and

21 (B) by striking “12/31/2020” and inserting
22 “12/31/2023”.

23 (22) HYDROXYLMETHYLPENTANONE.—Heading
24 9902.02.63 is amended—

1 (A) by striking “1%” and inserting
2 “2.8%”; and

3 (B) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (23) *ETFBO*.—Heading 9902.02.71 is amend-
6 ed—

7 (A) by striking “Free” and inserting
8 “1.7%”; and

9 (B) by striking “12/31/2020” and inserting
10 “12/31/2023”.

11 (24) *SORBIC ACID*.—Heading 9902.02.83 is
12 amended—

13 (A) by striking “2.6%” and inserting
14 “2.5%”; and

15 (B) by striking “12/31/2020” and inserting
16 “12/31/2023”.

17 (25) *BENZOYL CHLORIDE*.—Heading 9902.02.87
18 is amended—

19 (A) by striking “2%” and inserting
20 “2.9%”; and

21 (B) by striking “12/31/2020” and inserting
22 “12/31/2023”.

23 (26) *SEBACIC ACID*.—Heading 9902.02.93 is
24 amended—

1 (A) by striking “2%” and inserting
2 “2.9%”; and

3 (B) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (27) DIMETHYL MALONATE OR DMM.—Heading
6 9902.02.94 is amended—

7 (A) by striking “Free” and inserting
8 “1.6%”; and

9 (B) by striking “12/31/2020” and inserting
10 “12/31/2023”.

11 (28) PYROMELLITIC DIANHYDRIDE.—Heading
12 9902.03.02 is amended—

13 (A) by striking “Free” and inserting
14 “4.3%”; and

15 (B) by striking “12/31/2020” and inserting
16 “12/31/2023”.

17 (29) O-ACETYLSALICYLIC ACID (ASPIRIN).—Head-
18 ing 9902.03.07 is amended—

19 (A) by striking “1.9%” and inserting
20 “2.2%”; and

21 (B) by striking “12/31/2020” and inserting
22 “12/31/2023”.

23 (30) METHYL SAL.—Heading 9902.03.08 is
24 amended—

1 (A) by striking “2.3%” and inserting
2 “3.4%”; and

3 (B) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (31) PHBA.—Heading 9902.03.09 is amended—

6 (A) by striking “2%” and inserting
7 “3.4%”; and

8 (B) by striking “12/31/2020” and inserting
9 “12/31/2023”.

10 (32) PLASTIC ADDITIVE.—Heading 9902.03.14 is
11 amended—

12 (A) by striking “Free” and inserting “3%”;
13 and

14 (B) by striking “12/31/2020” and inserting
15 “12/31/2023”.

16 (33) MCPA.—Heading 9902.03.23 is amended—

17 (A) by striking “2.5%” and inserting
18 “4.2%”; and

19 (B) by striking “12/31/2020” and inserting
20 “12/31/2023”.

21 (34) DIMETHYL CARBONATE.—Heading
22 9902.03.46 is amended—

23 (A) by striking “Free” and inserting
24 “1.2%”; and

1 (B) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (35) *PERFLUOROCARBONS FOR PERFORMANCE*
4 *FLUID*.—Heading 9902.03.50 is amended—

5 (A) by striking “Free” and inserting
6 “0.7%”; and

7 (B) by striking “12/31/2020” and inserting
8 “12/31/2023”.

9 (36) *3,5-DIFLUOROANILINE*.—Heading 9902.03.57
10 is amended—

11 (A) by striking “Free” and inserting
12 “1.5%”; and

13 (B) by striking “12/31/2020” and inserting
14 “12/31/2023”.

15 (37) *TRIFLURALIN*.—Heading 9902.03.65 is
16 amended—

17 (A) by striking “4%” and inserting
18 “1.2%”; and

19 (B) by striking “12/31/2020” and inserting
20 “12/31/2023”.

21 (38) *ETHALFLURALIN*.—Heading 9902.03.66 is
22 amended—

23 (A) by striking “Free” and inserting
24 “1.3%”; and

1 (B) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (39) *O*-TOLUIDINE.—Heading 9902.03.71 is
4 amended—

5 (A) by striking “5.5%” and inserting
6 “5.8%”; and

7 (B) by striking “12/31/2020” and inserting
8 “12/31/2023”.

9 (40) MPDA.—Heading 9902.03.80 is amended—

10 (A) by striking “Free” and inserting
11 “5.4%”; and

12 (B) by striking “12/31/2020” and inserting
13 “12/31/2023”.

14 (41) 4-ADPA (4-AMINODIPHENYLAMINE).—Head-
15 ing 9902.03.82 is amended—

16 (A) by striking “4.6%” and inserting
17 “5.3%”; and

18 (B) by striking “12/31/2020” and inserting
19 “12/31/2023”.

20 (42) 4,4'-DIAMINOSTILBENE-2,2'-DISULFONIC
21 ACID.—Heading 9902.03.84 is amended—

22 (A) by striking “1.5%” and inserting
23 “4.3%”; and

24 (B) by striking “12/31/2020” and inserting
25 “12/31/2023”.

1 (43) *PRODIAMINE*.—*Heading* 9902.03.87 is
2 amended—

3 (A) by striking “1.6%” and inserting
4 “4.1%”; and

5 (B) by striking “12/31/2020” and inserting
6 “12/31/2023”.

7 (44) *P-CRESIDINE SULFONIC ACID*.—*Heading*
8 9902.03.98 is amended—

9 (A) by striking “Free” and inserting “4%”;
10 and

11 (B) by striking “12/31/2020” and inserting
12 “12/31/2023”.

13 (45) *CHOLINE HYDROXIDE*.—*Heading*
14 9902.04.16 is amended—

15 (A) by striking “Free” and inserting
16 “0.6%”; and

17 (B) by striking “12/31/2020” and inserting
18 “12/31/2023”.

19 (46) *DIURON*.—*Heading* 9902.04.30 is amend-
20 ed—

21 (A) by striking “0.4%” and inserting
22 “3.8%”; and

23 (B) by striking “12/31/2020” and inserting
24 “12/31/2023”.

1 (47) *METOLACHLOR.*—*Heading 9902.04.35 is*
2 *amended—*

3 (A) *by striking “Free” and inserting*
4 *“5.3%”; and*

5 (B) *by striking “12/31/2020” and inserting*
6 *“12/31/2023”.*

7 (48) *FLUTOLANIL.*—*Heading 9902.04.40 is*
8 *amended—*

9 (A) *by striking “1.5%” and inserting*
10 *“1.4%”; and*

11 (B) *by striking “12/31/2020” and inserting*
12 *“12/31/2023”.*

13 (49) *MEFENOXAM.*—*Heading 9902.04.42 is*
14 *amended—*

15 (A) *by striking “4.2%” and inserting*
16 *“5.5%”; and*

17 (B) *by striking “12/31/2020” and inserting*
18 *“12/31/2023”.*

19 (50) *FLUFENACET-ALCOHOL.*—*Heading*
20 *9902.04.48 is amended—*

21 (A) *by striking “3.9%” and inserting*
22 *“3.7%”; and*

23 (B) *by striking “12/31/2020” and inserting*
24 *“12/31/2023”.*

1 (51) *2-(TRIFLUOROMETHYL)BENZAMIDE*.—*Head-*
2 *ing 9902.04.49 is amended—*

3 (A) *by striking “4.2%” and inserting*
4 *“Free”; and*

5 (B) *by striking “12/31/2020” and inserting*
6 *“12/31/2023”.*

7 (52) *METHYL-4-TRIFLUOROMETHOXYPHENYL-N-*
8 *(CHL.) CARBAMATE*.—*Heading 9902.04.52 is amend-*
9 *ed—*

10 (A) *by striking “2%” and inserting*
11 *“2.5%”; and*

12 (B) *by striking “12/31/2020” and inserting*
13 *“12/31/2023”.*

14 (53) *GUANIDINOACETIC ACID*.—*Heading*
15 *9902.04.64 is amended—*

16 (A) *by striking “Free” and inserting*
17 *“1.6%”; and*

18 (B) *by striking “12/31/2020” and inserting*
19 *“12/31/2023”.*

20 (54) *CHLOROTHALONIL*.—*Heading 9902.04.65 is*
21 *amended—*

22 (A) *by striking “5%” and inserting*
23 *“5.6%”; and*

24 (B) *by striking “12/31/2020” and inserting*
25 *“12/31/2023”.*

1 (55) *BROMOXYNIL OCTANOATE.—Heading*
2 9902.04.67 *is amended—*

3 (A) *by striking “Free” and inserting*
4 *“3.4%”; and*

5 (B) *by striking “12/31/2020” and inserting*
6 *“12/31/2023”.*

7 (56) *BIFENAZATE TECHNICAL.—Heading*
8 9902.04.85 *is amended—*

9 (A) *by striking “Free” and inserting*
10 *“3.7%”; and*

11 (B) *by striking “12/31/2020” and inserting*
12 *“12/31/2023”.*

13 (57) *MESOTRIONE.—Heading 9902.05.03 is*
14 *amended—*

15 (A) *by striking “6.2%” and inserting*
16 *“6.1%”; and*

17 (B) *by striking “12/31/2020” and inserting*
18 *“12/31/2023”.*

19 (58) 2-(*METHYLTHIO*)-4-
20 (*TRIFLUOROMETHYL*)*BENZOIC ACID.—Heading*
21 9902.05.08 *is amended—*

22 (A) *by striking “Free” and inserting*
23 *“5.4%”; and*

24 (B) *by striking “12/31/2020” and inserting*
25 *“12/31/2023”.*

1 (59) *ACEPHATE*.—*Heading 9902.05.16 is amend-*
2 *ed—*

3 (A) *by striking “3.2%” and inserting*
4 *“Free”; and*

5 (B) *by striking “12/31/2020” and inserting*
6 *“12/31/2023”.*

7 (60) *METHOMYL*.—*Heading 9902.05.18 is*
8 *amended—*

9 (A) *by striking “5%” and inserting “Free”;*
10 *and*

11 (B) *by striking “12/31/2020” and inserting*
12 *“12/31/2023”.*

13 (61) *ALLYL ISOTHIOCYANATE*.—*Heading*
14 *9902.05.26 is amended—*

15 (A) *by striking “Free” and inserting “1.0”;*
16 *and*

17 (B) *by striking “12/31/2020” and inserting*
18 *“12/31/2023”.*

19 (62) *PMIDA*.—*Heading 9902.05.29 is amend-*
20 *ed—*

21 (A) *by striking “2.5%” and inserting*
22 *“2.9%”; and*

23 (B) *by striking “12/31/2020” and inserting*
24 *“12/31/2023”.*

1 (63) *TRIPHENYLITIN HYDROXIDE*.—*Heading*
2 *9902.05.32 is amended—*

3 (A) *by striking “Free” and inserting*
4 *“3.2%”; and*

5 (B) *by striking “12/31/2020” and inserting*
6 *“12/31/2023”.*

7 (64) *PBA SOLID (PHENYL BORONIC ACID)*.—
8 *Heading 9902.05.34 is amended—*

9 (A) *by striking “4.6%” and inserting*
10 *“1.9%”; and*

11 (B) *by striking “12/31/2020” and inserting*
12 *“12/31/2023”.*

13 (65) *SEDAXANE*.—*Heading 9902.05.68 is amend-*
14 *ed—*

15 (A) *by striking “Free” and inserting*
16 *“6.2%”; and*

17 (B) *by striking “12/31/2020” and inserting*
18 *“12/31/2023”.*

19 (66) *TECHNICAL FLUAZINAM FUNGICIDE*.—*Head-*
20 *ing 9902.05.83 is amended—*

21 (A) *by striking “Free” and inserting*
22 *“3.5%”; and*

23 (B) *by striking “12/31/2020” and inserting*
24 *“12/31/2023”.*

1 (67) *IMAZETHAPYR*.—*Heading* 9902.05.86 *is*
2 *amended*—

3 (A) *by striking* “2.2%” *and inserting*
4 “4.3%”; *and*

5 (B) *by striking* “12/31/2020” *and inserting*
6 “12/31/2023”.

7 (68) *FLURIDONE*.—*Heading* 9902.05.87 *is*
8 *amended*—

9 (A) *by striking* “Free” *and inserting*
10 “0.1%”; *and*

11 (B) *by striking* “12/31/2020” *and inserting*
12 “12/31/2023”.

13 (69) *BICYCLOPYRONE*.—*Heading* 9902.05.88 *is*
14 *amended*—

15 (A) *by striking* “4%” *and inserting*
16 “2.5%”; *and*

17 (B) *by striking* “12/31/2020” *and inserting*
18 “12/31/2023”.

19 (70) *CLOPYRALID* *TECHNICAL*.—*Heading*
20 9902.05.89 *is amended*—

21 (A) *by striking* “1.4%” *and inserting*
22 “3.2%”; *and*

23 (B) *by striking* “12/31/2020” *and inserting*
24 “12/31/2023”.

1 (75) *FOOD AND FEED PRESERVATIVE.—Heading*
2 9902.06.22 *is amended—*

3 (A) *by striking “1.2%” and inserting*
4 “2.1%”; and

5 (B) *by striking “12/31/2020” and inserting*
6 “12/31/2023”.

7 (76) *CLOQUINTOCET-MEXYL.—Heading*
8 9902.06.24 *is amended—*

9 (A) *by striking “4.2%” and inserting*
10 “Free”; and

11 (B) *by striking “12/31/2020” and inserting*
12 “12/31/2023”.

13 (77) *CYPRODINIL TECHNICAL.—Heading*
14 9902.06.31 *is amended—*

15 (A) *by striking “Free” and inserting*
16 “3.2%”; and

17 (B) *by striking “12/31/2020” and inserting*
18 “12/31/2023”.

19 (78) *AMINOCYCLOPYRACHLOR.—Heading*
20 9902.06.37 *is amended—*

21 (A) *by striking “Free” and inserting*
22 “3.8%”; and

23 (B) *by striking “12/31/2020” and inserting*
24 “12/31/2023”.

1 (79) *DMDS*.—*Heading 9902.06.45 is amend-*
2 *ed—*

3 (A) *by striking “1%” and inserting “Free”;*

4 *and*

5 (B) *by striking “12/31/2020” and inserting*
6 *“12/31/2023”.*

7 (80) *METRIBUZIN*.—*Heading 9902.06.51 is*
8 *amended—*

9 (A) *by striking “1.9%” and inserting*
10 *“3.2%”; and*

11 (B) *by striking “12/31/2020” and inserting*
12 *“12/31/2023”.*

13 (81) *ATRAZINE*.—*Heading 9902.06.54 is amend-*
14 *ed—*

15 (A) *by striking “Free” and inserting*
16 *“2.7%”; and*

17 (B) *by striking “12/31/2020” and inserting*
18 *“12/31/2023”.*

19 (82) *1,2,4-TRIAZOLE*.—*Heading 9902.06.97 is*
20 *amended—*

21 (A) *by striking “2.8%” and inserting*
22 *“5.1%”; and*

23 (B) *by striking “12/31/2020” and inserting*
24 *“12/31/2023”.*

1 (83) *OXADIAZON.—Heading 9902.07.13 is*
2 *amended—*

3 (A) *by striking “1.3%” and inserting*
4 *“3.7%”; and*

5 (B) *by striking “12/31/2020” and inserting*
6 *“12/31/2023”.*

7 (84) *FLUDIOXONIL TECHNICAL.—Heading*
8 *9902.07.15 is amended—*

9 (A) *by striking “5%” and inserting*
10 *“4.7%”; and*

11 (B) *by striking “12/31/2020” and inserting*
12 *“12/31/2023”.*

13 (85) *THIDIAZURON.—Heading 9902.07.24 is*
14 *amended—*

15 (A) *by striking “Free” and inserting*
16 *“4.8%”; and*

17 (B) *by striking “12/31/2020” and inserting*
18 *“12/31/2023”.*

19 (86) *FLUPYRADIFURONE.—Heading 9902.07.32*
20 *is amended—*

21 (A) *by striking “Free” and inserting*
22 *“0.1%”; and*

23 (B) *by striking “12/31/2020” and inserting*
24 *“12/31/2023”.*

1 (87) *PENTHIOPYRAD*.—*Heading 9902.07.47 is*
2 *amended—*

3 (A) *by striking “Free” and inserting*
4 *“4.1%”; and*

5 (B) *by striking “12/31/2020” and inserting*
6 *“12/31/2023”.*

7 (88) *CYPROSULFAMIDE*.—*Heading 9902.07.56 is*
8 *amended—*

9 (A) *by striking “5%” and inserting*
10 *“1.6%”; and*

11 (B) *by striking “12/31/2020” and inserting*
12 *“12/31/2023”.*

13 (89) *SULFENTRAZONE*.—*Heading 9902.07.60 is*
14 *amended—*

15 (A) *by striking “5.4%” and inserting*
16 *“6%”; and*

17 (B) *by striking “12/31/2020” and inserting*
18 *“12/31/2023”.*

19 (90) *COLD PRESSED ORANGE OIL*.—*Heading*
20 *9902.08.99 is amended—*

21 (A) *by striking “Free” and inserting “1%”;*
22 *and*

23 (B) *by striking “12/31/2020” and inserting*
24 *“12/31/2023”.*

1 (91) *INSTANT PRINT FILM*.—*Heading 9902.09.16*
2 *is amended—*

3 (A) *by striking “3.1%” and inserting*
4 *“3.2%”; and*

5 (B) *by striking “12/31/2020” and inserting*
6 *“12/31/2023”.*

7 (92) *FLUPYRADIFURONE FORMULATIONS*.—*Head-*
8 *ing 9902.09.20 is amended—*

9 (A) *by striking “4.2%” and inserting*
10 *“Free”; and*

11 (B) *by striking “12/31/2020” and inserting*
12 *“12/31/2023”.*

13 (93) *SPIROMESIFEN FORMULATIONS*.—*Heading*
14 *9902.09.23 is amended—*

15 (A) *by striking “1.0%” and inserting*
16 *“Free”; and*

17 (B) *by striking “12/31/2020” and inserting*
18 *“12/31/2023”.*

19 (94) *FLONICAMID*.—*Heading 9902.09.29 is*
20 *amended—*

21 (A) *by striking “Free” and inserting*
22 *“4.9%”; and*

23 (B) *by striking “12/31/2020” and inserting*
24 *“12/31/2023”.*

1 (95) *ABAMECTIN.—Heading 9902.09.34 is*
2 *amended—*

3 (A) *by striking “Free” and inserting*
4 *“2.3%”; and*

5 (B) *by striking “12/31/2020” and inserting*
6 *“12/31/2023”.*

7 (96) *ACEPHATE FORMULATIONS.—Heading*
8 *9902.09.35 is amended—*

9 (A) *by striking “1.8%” and inserting*
10 *“3.1%”; and*

11 (B) *by striking “12/31/2020” and inserting*
12 *“12/31/2023”.*

13 (97) *QUINOXYFEN FUNGICIDE.—Heading*
14 *9902.09.66 is amended—*

15 (A) *by striking “1.6%” and inserting*
16 *“1.8%”; and*

17 (B) *by striking “12/31/2020” and inserting*
18 *“12/31/2023”.*

19 (98) *COPPER HYDROXIDE AND COPPER*
20 *OXYCHLORIDE.—Heading 9902.09.76 is amended—*

21 (A) *by striking “Free” and inserting*
22 *“0.4%”; and*

23 (B) *by striking “12/31/2020” and inserting*
24 *“12/31/2023”.*

1 (99) *1,1'-DIMETHYL-4,4'-BIPYRIDINIUM DICHLO-*
2 *RIDE.—Heading 9902.09.94 is amended—*

3 (A) *by striking “4.6%” and inserting*
4 *“5.8%”; and*

5 (B) *by striking “12/31/2020” and inserting*
6 *“12/31/2023”.*

7 (100) *FORMULATED PYRITHIOBAC-SODIUM.—*
8 *Heading 9902.10.07 is amended—*

9 (A) *by striking “1.0%” and inserting*
10 *“Free”; and*

11 (B) *by striking “12/31/2020” and inserting*
12 *“12/31/2023”.*

13 (101) *HERBICIDE MIXTURE.—Heading*
14 *9902.10.15 is amended—*

15 (A) *by striking “Free” and inserting*
16 *“1.7%”; and*

17 (B) *by striking “12/31/2020” and inserting*
18 *“12/31/2023”.*

19 (102) *PLASTICIZER.—Heading 9902.10.30 is*
20 *amended—*

21 (A) *by striking “3.2%” and inserting*
22 *“3.9%”; and*

23 (B) *by striking “12/31/2020” and inserting*
24 *“12/31/2023”.*

1 (103) *PALM FATTY ACID DISTILLATE* (“PFAD”).—

2 *Heading 9902.10.44 is amended—*

3 (A) *by striking “1.4%” and inserting*
4 *“0.9%”; and*

5 (B) *by striking “12/31/2020” and inserting*
6 *“12/31/2023”.*

7 (104) *IMINODISUCCINATE*.—*Heading 9902.10.55*
8 *is amended—*

9 (A) *by striking “Free” and inserting “1%”;*
10 *and*

11 (B) *by striking “12/31/2020” and inserting*
12 *“12/31/2023”.*

13 (105) *VINYLACETATE-VINYLCHLORIDE COPOLY-*
14 *MER*.—*Heading 9902.10.75 is amended—*

15 (A) *by striking “Free” and inserting*
16 *“0.9%”; and*

17 (B) *by striking “12/31/2020” and inserting*
18 *“12/31/2023”.*

19 (106) *COMPOUNDS USED IN LUBRICANTS*.—
20 *Heading 9902.10.88 is amended—*

21 (A) *by striking “2.4%” and inserting*
22 *“2.1%”; and*

23 (B) *by striking “12/31/2020” and inserting*
24 *“12/31/2023”.*

1 (107) *POLYVINYL ACETATE FOR FOOD USE.*—

2 *Heading 9902.10.98 is amended—*

3 (A) *by striking “Free” and inserting*

4 *“1.2%”; and*

5 (B) *by striking “12/31/2020” and inserting*

6 *“12/31/2023”.*

7 (108) *MIXTURES FOR USE IN PAPER COAT-*

8 *INGS.—Heading 9902.11.14 is amended—*

9 (A) *by striking “0.3%” and inserting*

10 *“Free”; and*

11 (B) *by striking “12/31/2020” and inserting*

12 *“12/31/2023”.*

13 (109) *HINDERED AMINE LIGHT STABILIZER.*—

14 *Heading 9902.11.21 is amended—*

15 (A) *by striking “Free” and inserting*

16 *“0.3%”; and*

17 (B) *by striking “12/31/2020” and inserting*

18 *“12/31/2023”.*

19 (110) *HYDROGENATED POLYMERS OF*

20 *NORBORNENE DERIVATIVES.—Heading 9902.11.43 is*

21 *amended—*

22 (A) *by striking “Free” and inserting*

23 *“1.5%”; and*

24 (B) *by striking “12/31/2020” and inserting*

25 *“12/31/2023”.*

1 (111) *MODIFIED ETHYLENE-NORBORNENE CO-*
2 *POLYMER.—Heading 9902.11.54 is amended—*

3 (A) *by striking “Free” and inserting*
4 *“0.6%”; and*

5 (B) *by striking “12/31/2020” and inserting*
6 *“12/31/2023”.*

7 (112) *INDUSTRIAL NITROCELLULOSE (DAMPED*
8 *ALCOHOL CONTENT OF 28-32%).—Heading 9902.11.57*
9 *is amended—*

10 (A) *by striking “Free” and inserting “2%”;*

11 *and*

12 (B) *by striking “12/31/2020” and inserting*
13 *“12/31/2023”.*

14 (113) *SODIUM ALGINATE.—Heading 9902.11.59*
15 *is amended—*

16 (A) *by striking “Free” and inserting*
17 *“2.3%”; and*

18 (B) *by striking “12/31/2020” and inserting*
19 *“12/31/2023”.*

20 (114) *ACRYLIC FILMS.—Heading 9902.11.85 is*
21 *amended—*

22 (A) *by striking “Free” and inserting*
23 *“0.6%”; and*

24 (B) *by striking “12/31/2020” and inserting*
25 *“12/31/2023”.*

1 (115) *PLASTIC ORNAMENTATION FOR AQUAR-*
2 *IUMS.—Heading 9902.11.99 is amended—*

3 (A) *by striking “0.5%” and inserting*
4 *“Free”; and*

5 (B) *by striking “12/31/2020” and inserting*
6 *“12/31/2023”.*

7 (116) *QUICK CLAMPS.—Heading 9902.12.08 is*
8 *amended—*

9 (A) *by striking “0.2%” and inserting*
10 *“1.5%”; and*

11 (B) *by striking “12/31/2020” and inserting*
12 *“12/31/2023”.*

13 (117) *HIGH-QUALITY BULL HIDES.—Heading*
14 *9902.12.34 is amended—*

15 (A) *by striking “Free” and inserting*
16 *“0.2%”; and*

17 (B) *by striking “12/31/2020” and inserting*
18 *“12/31/2023”.*

19 (118) *DOLL CARRIERS WITH WINDOWS.—Head-*
20 *ing 9902.12.39 is amended—*

21 (A) *by striking “4.0%” and inserting*
22 *“Free”; and*

23 (B) *by striking “12/31/2020” and inserting*
24 *“12/31/2023”.*

1 (119) *BATTING GLOVES OF LEATHER.*—*Heading*
2 9902.12.58 *is amended—*

3 (A) *by striking “Free” and inserting*
4 “0.1%”; *and*

5 (B) *by striking “12/31/2020” and inserting*
6 “12/31/2023”.

7 (120) *LEATHER GLOVES WITH FOURCHETTES.*—
8 *Heading 9902.12.61 is amended—*

9 (A) *by striking “9.2%” and inserting*
10 “7.6%”; *and*

11 (B) *by striking “12/31/2020” and inserting*
12 “12/31/2023”.

13 (121) *LEATHER GLOVES WITHOUT*
14 *FOURCHETTES.*—*Heading 9902.12.62 is amended—*

15 (A) *by striking “13.4%” and inserting*
16 “13.1%”; *and*

17 (B) *by striking “12/31/2020” and inserting*
18 “12/31/2023”.

19 (122) *ACRYLIC STAPLE FIBERS WITH A FIBER*
20 *LENGTH BETWEEN 40 AND 47.5 MM AND A SOLAR RE-*
21 *FLECTANCE INDEX GREATER THAN 30.*—*Heading*
22 9902.13.15 *is amended—*

23 (A) *by striking “Free” and inserting*
24 “0.5%”; *and*

1 (B) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (123) *RAYON STAPLE FIBERS FOR USE IN GOODS*
4 *OF HEADING 9619.—Heading 9902.13.28 is amend-*
5 *ed—*

6 (A) by striking “1.7%” and inserting
7 “2.6%”; and

8 (B) by striking “12/31/2020” and inserting
9 “12/31/2023”.

10 (124) *MECHANICS’ WORK GLOVES WITH*
11 *FOURCHETTES.—Heading 9902.13.71 is amended—*

12 (A) by striking “9.8%” and inserting
13 “7%”; and

14 (B) by striking “12/31/2020” and inserting
15 “12/31/2023”.

16 (125) *SLEEPING BAG SHELLS.—Heading*
17 *9902.13.80 is amended—*

18 (A) by striking “Free” and inserting
19 “0.2%”; and

20 (B) by striking “12/31/2020” and inserting
21 “12/31/2023”.

22 (126) *WORK FOOTWEAR FOR WOMEN.—Heading*
23 *9902.14.07 is amended—*

24 (A) by striking “2.5%” and inserting
25 “Free”; and

1 (B) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (127) *WORK FOOTWEAR FOR MEN.*—*Heading*
4 9902.14.08 is amended—

5 (A) by striking “3.6%” and inserting
6 “1.3%”; and

7 (B) by striking “12/31/2020” and inserting
8 “12/31/2023”.

9 (128) *MEN’S PROTECTIVE ACTIVE FOOTWEAR,*
10 *NOT COVERING THE ANKLE.*—*Heading* 9902.14.11 is
11 amended—

12 (A) by striking “9.4%” and inserting
13 “11%”; and

14 (B) by striking “12/31/2020” and inserting
15 “12/31/2023”.

16 (129) *MEN’S OXFORD WORK FOOTWEAR WITH*
17 *COMPOSITE SAFETY TOE.*—*Heading* 9902.14.21 is
18 amended—

19 (A) by striking “Free” and inserting
20 “2.6%”; and

21 (B) by striking “12/31/2020” and inserting
22 “12/31/2023”.

23 (130) *MEN’S AND BOYS’ HOUSE SLIPPERS WITH*
24 *LEATHER UPPERS.*—*Heading* 9902.14.22 is amend-
25 ed—

1 (A) by striking “5.7%” and inserting
2 “5%”; and

3 (B) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (131) WOMEN’S WATERPROOF LEATHER FOOT-
6 WEAR, VALUED AT \$29 PER PAIR OR HIGHER.—Head-
7 ing 9902.14.27 is amended—

8 (A) by striking “2.9%” and inserting
9 “Free”; and

10 (B) by striking “12/31/2020” and inserting
11 “12/31/2023”.

12 (132) WOMEN’S HOUSE SLIPPERS WITH LEATH-
13 ER UPPERS.—Heading 9902.14.28 is amended—

14 (A) by striking “7.9 %” and inserting
15 “4.4%”; and

16 (B) by striking “12/31/2020” and inserting
17 “12/31/2023”.

18 (133) WOMEN’S FOOTWEAR WITH TEXTILE UP-
19 PERS, OPEN TOES OR HEELS, VALUED \$10–\$14.99 PER
20 PAIR.—Heading 9902.14.43 is amended—

21 (A) by striking “Free” and inserting
22 “12.2%”; and

23 (B) by striking “12/31/2020” and inserting
24 “12/31/2023”.

1 (134) *MEN’S FOOTWEAR, COVERING THE ANKLE*
2 *BUT NOT THE KNEE, VALUED OVER \$24 PER PAIR.—*

3 *Heading 9902.14.49 is amended—*

4 (A) *by striking “8.1%” and inserting*
5 *“Free”; and*

6 (B) *by striking “12/31/2020” and inserting*
7 *“12/31/2023”.*

8 (135) *OPAQUE GLASS-CERAMIC COOKWARE.—*
9 *Heading 9902.14.80 is amended—*

10 (A) *by striking “7.1%” and inserting*
11 *“Free”; and*

12 (B) *by striking “12/31/2020” and inserting*
13 *“12/31/2023”.*

14 (136) *LIQUID-FILLED GLASS BULBS.—Heading*
15 *9902.14.87 is amended—*

16 (A) *by striking “1.8%” and inserting*
17 *“1%”; and*

18 (B) *by striking “12/31/2020” and inserting*
19 *“12/31/2023”.*

20 (137) *SCREW ANCHORS.—Heading 9902.14.94 is*
21 *amended—*

22 (A) *by striking “Free” and inserting*
23 *“3.5%”; and*

24 (B) *by striking “12/31/2020” and inserting*
25 *“12/31/2023”.*

1 (138) *STAINLESS STEEL HANDLES FOR*
2 *COOKWARE.—Heading 9902.14.96 is amended—*

3 (A) *by striking “1.5%” and inserting*
4 *“Free”; and*

5 (B) *by striking “12/31/2020” and inserting*
6 *“12/31/2023”.*

7 (139) *LARGE METAL WIRE CRATES FOR DOGS.—*
8 *Heading 9902.14.99 is amended—*

9 (A) *by striking “1.4%” and inserting*
10 *“2%”; and*

11 (B) *by striking “12/31/2020” and inserting*
12 *“12/31/2023”.*

13 (140) *METAL WIRE CAGES FOR PETS OTHER*
14 *THAN DOGS.—Heading 9902.15.01 is amended—*

15 (A) *by striking “Free” and inserting*
16 *“1.7%”; and*

17 (B) *by striking “12/31/2020” and inserting*
18 *“12/31/2023”.*

19 (141) *USED COMPRESSION-IGNITION INTERNAL*
20 *COMBUSTION ENGINES.—Heading 9902.15.41 is*
21 *amended—*

22 (A) *by striking “1.5%” and inserting*
23 *“1.7%”; and*

24 (B) *by striking “12/31/2020” and inserting*
25 *“12/31/2023”.*

1 (142) *CONNECTING RODS*.—*Heading 9902.15.44*
2 *is amended—*

3 (A) *by striking “0.4%” and inserting*
4 *“Free”; and*

5 (B) *by striking “12/31/2020” and inserting*
6 *“12/31/2023”.*

7 (143) *USED FUEL PUMPS*.—*Heading 9902.15.50*
8 *is amended—*

9 (A) *by striking “0.6%” and inserting*
10 *“1.2%”; and*

11 (B) *by striking “12/31/2020” and inserting*
12 *“12/31/2023”.*

13 (144) *EXHAUST FANS FOR PERMANENT INSTAL-*
14 *LATION*.—*Heading 9902.15.54 is amended—*

15 (A) *by striking “4.1%” and inserting*
16 *“2%”; and*

17 (B) *by striking “12/31/2020” and inserting*
18 *“12/31/2023”.*

19 (145) *SELF-CONTAINED PORTABLE AIR CONDI-*
20 *TIONER*.—*Heading 9902.15.64 is amended—*

21 (A) *by striking “1.8%” and inserting*
22 *“Free”; and*

23 (B) *by striking “12/31/2020” and inserting*
24 *“12/31/2023”.*

1 (146) *TABLE SAWS.—Heading 9902.15.74 is*
2 *amended—*

3 (A) *by striking “1.2%” and inserting*
4 *“1.7%”; and*

5 (B) *by striking “12/31/2020” and inserting*
6 *“12/31/2023”.*

7 (147) *VEHICLE STABILITY CONTROL ACTUATOR*
8 *ASSEMBLIES.—Heading 9902.15.85 is amended—*

9 (A) *by striking “2.3%” and inserting*
10 *“1.5%”; and*

11 (B) *by striking “12/31/2020” and inserting*
12 *“12/31/2023”.*

13 (148) *VALVE-TYPE FUEL INJECTORS.—Heading*
14 *9902.15.91 is amended—*

15 (A) *by striking “0.5%” and inserting*
16 *“1.1%”; and*

17 (B) *by striking “12/31/2020” and inserting*
18 *“12/31/2023”.*

19 (149) *NEW CRANKSHAFTS.—Heading 9902.15.96*
20 *is amended—*

21 (A) *by striking “0.6%” and inserting*
22 *“Free”; and*

23 (B) *by striking “12/31/2020” and inserting*
24 *“12/31/2023”.*

1 (150) *POWER BACK DOOR ACTUATOR ASSEM-*
2 *BLIES.—Heading 9902.16.06 is amended—*

3 (A) *by striking “1.7%” and inserting*
4 *“Free”; and*

5 (B) *by striking “12/31/2020” and inserting*
6 *“12/31/2023”.*

7 (151) *DIRECT CURRENT PUMP MOTORS.—Head-*
8 *ing 9902.16.07 is amended—*

9 (A) *by striking “2.8%” and inserting*
10 *“Free”; and*

11 (B) *by striking “12/31/2020” and inserting*
12 *“12/31/2023”.*

13 (152) *MOTORS FOR LOW WATTAGE FANS.—Head-*
14 *ing 9902.16.10 is amended—*

15 (A) *by striking “0.3%” and inserting*
16 *“1.6%”; and*

17 (B) *by striking “12/31/2020” and inserting*
18 *“12/31/2023”.*

19 (153) *USED STARTERS.—Heading 9902.16.38 is*
20 *amended—*

21 (A) *by striking “0.4%” and inserting*
22 *“Free”; and*

23 (B) *by striking “12/31/2020” and inserting*
24 *“12/31/2023”.*

1 (154) *USED ALTERNATORS.—Heading*
2 9902.16.40 is amended—

3 (A) by striking “1.6%” and inserting
4 “Free”; and

5 (B) by striking “12/31/2020” and inserting
6 “12/31/2023”.

7 (155) *ELECTRIC STEAM IRONS.—Heading*
8 9902.16.46 is amended—

9 (A) by striking “1.0%” and inserting
10 “Free”; and

11 (B) by striking “12/31/2020” and inserting
12 “12/31/2023”.

13 (156) *MICROWAVE HOODS WITH A PLASTIC HAN-*
14 *DLE.—Heading 9902.16.47 is amended—*

15 (A) by striking “0.5%” and inserting
16 “0.7%”; and

17 (B) by striking “12/31/2020” and inserting
18 “12/31/2023”.

19 (157) *MICROWAVE HOODS WITH A METAL HAN-*
20 *DLE.—Heading 9902.16.48 is amended—*

21 (A) by striking “1.2%” and inserting
22 “1.4%”; and

23 (B) by striking “12/31/2020” and inserting
24 “12/31/2023”.

1 (158) *CARAFE-LESS COFFEE MAKERS.—Heading*
2 *9902.16.65 is amended—*

3 (A) *by striking “0.4%” and inserting*
4 *“Free”; and*

5 (B) *by striking “12/31/2020” and inserting*
6 *“12/31/2023”.*

7 (159) *TOASTER OVENS WITH A POP-UP TOASTER*
8 *FEATURE.—Heading 9902.16.67 is amended—*

9 (A) *by striking “Free” and inserting*
10 *“1.4%”; and*

11 (B) *by striking “12/31/2020” and inserting*
12 *“12/31/2023”.*

13 (160) *ELECTRIC PRESSURE COOKERS RATED*
14 *MORE THAN 800W BUT NOT MORE THAN 1000W, WITH*
15 *A CAPACITY OF LESS THAN 5 LITERS.—Heading*
16 *9902.16.79 is amended—*

17 (A) *by striking “0.4%” and inserting*
18 *“Free”; and*

19 (B) *by striking “12/31/2020” and inserting*
20 *“12/31/2023”.*

21 (161) *FLAT PANEL LCD TELEVISIONS FOR EXER-*
22 *CISE EQUIPMENT.—Heading 9902.16.85 is amend-*
23 *ed—*

24 (A) *by striking “3.6%” and inserting*
25 *“3%”; and*

1 (B) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (162) *MOTOR VEHICLE CHASSIS WITH CAB AND*
4 *ONLY AN ELECTRIC MOTOR FOR PROPULSION FOR THE*
5 *TRANSPORT OF GOODS.—Heading 9902.16.97 is*
6 *amended—*

7 (A) by striking “23.9%” and inserting
8 “20.9%”; and

9 (B) by striking “12/31/2020” and inserting
10 “12/31/2023”.

11 (163) *USED GEAR BOXES FOR CERTAIN VEHI-*
12 *CLES FOR THE TRANSPORTATION OF GOODS.—Head-*
13 *ing 9902.17.01 is amended—*

14 (A) by striking “Free” and inserting
15 “0.9%”; and

16 (B) by striking “12/31/2020” and inserting
17 “12/31/2023”.

18 (164) *NEW GEAR BOXES.—Heading 9902.17.02*
19 *is amended—*

20 (A) by striking “2.1%” and inserting
21 “1.2%”; and

22 (B) by striking “12/31/2020” and inserting
23 “12/31/2023”.

24 (165) *BICYCLE DISC BRAKES.—Heading*
25 *9902.17.10 is amended—*

1 (A) by striking “6.7%” and inserting
2 “8.8%”; and

3 (B) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (166) *BABY STROLLERS*.—*Heading 9902.17.13 is*
6 *amended—*

7 (A) by striking “Free” and inserting
8 “2.8%”; and

9 (B) by striking “12/31/2020” and inserting
10 “12/31/2023”.

11 (167) *LCD TELEVISION PANEL ASSEMBLIES,*
12 *WITH A VIDEO DISPLAY MEASURING OVER 101.6 CM*
13 *BUT NOT OVER 124.46 CM*.—*Heading 9902.17.24 is*
14 *amended—*

15 (A) by striking “Free” and inserting
16 “2.8%”; and

17 (B) by striking “12/31/2020” and inserting
18 “12/31/2023”.

19 (168) *LCD TELEVISION PANEL ASSEMBLIES,*
20 *WITH A VIDEO DISPLAY MEASURING OVER 124.46 CM*
21 *BUT NOT OVER 137.16 CM*.—*Heading 9902.17.25 is*
22 *amended—*

23 (A) by striking “Free” and inserting
24 “0.3%”; and

1 (B) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (169) *LIGHT EMITTING DIODE (LED) LAMPS,*
4 *MOUNTING OPTIONS, BASES, CLAMPS, MOUNTS.—*
5 *Heading 9902.17.48 is amended—*

6 (A) by striking “3.0%” and inserting
7 “Free”; and

8 (B) by striking “12/31/2020” and inserting
9 “12/31/2023”.

10 (170) *GOLF CLUB DRIVER HEADS WITH A LOFT*
11 *OVER 9.5 DEGREES.—Heading 9902.17.57 is amend-*
12 *ed—*

13 (A) by striking “Free” and inserting
14 “3.5%”; and

15 (B) by striking “12/31/2020” and inserting
16 “12/31/2023”.

17 (171) *GOLF CLUB DRIVER HEADS WITH A LOFT*
18 *UNDER 9.5 DEGREES.—Heading 9902.17.58 is amend-*
19 *ed—*

20 (A) by striking “Free” and inserting
21 “1.6%”; and

22 (B) by striking “12/31/2020” and inserting
23 “12/31/2023”.

24 (172) *GOLF CLUB HYBRID HEADS.—Heading*
25 *9902.17.60 is amended—*

1 (A) by striking “Free” and inserting
2 “1.2%”; and

3 (B) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (173) GOLF CLUB WEDGE HEADS WITH A LOFT
6 OF 56 DEGREES OR LESS.—Heading 9902.17.61 is
7 amended—

8 (A) by striking “Free” and inserting
9 “1.9%”; and

10 (B) by striking “12/31/2020” and inserting
11 “12/31/2023”.

12 (174) GOLF CLUB IRON HEADS OF 8-IRONS AND
13 9-IRONS.—Heading 9902.17.63 is amended—

14 (A) by striking “Free” and inserting
15 “1.4%”; and

16 (B) by striking “12/31/2020” and inserting
17 “12/31/2023”.

18 (175) TENNIS RACKET FRAMES, UNSTRUNG.—
19 Heading 9902.17.71 is amended—

20 (A) by striking “0.4%” and inserting
21 “1.2%”; and

22 (B) by striking “12/31/2020” and inserting
23 “12/31/2023”.

24 (176) VOLLEYBALLS.—Heading 9902.17.74 is
25 amended—

1 (A) by striking “Free” and inserting
2 “2.1%”; and

3 (B) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (177) BASKETBALLS OTHER THAN LEATHER OR
6 RUBBER.—Heading 9902.17.75 is amended—

7 (A) by striking “3.1%” and inserting
8 “3.2%”; and

9 (B) by striking “12/31/2020” and inserting
10 “12/31/2023”.

11 (178) RUBBER BASKETBALLS.—Heading
12 9902.17.77 is amended—

13 (A) by striking “2.5%” and inserting
14 “1.6%”; and

15 (B) by striking “12/31/2020” and inserting
16 “12/31/2023”.

17 (179) FISHING RODS, ONE-PIECE, OF BOTH FI-
18 BERGLASS AND CARBON FIBER.—Heading 9902.17.93
19 is amended—

20 (A) by striking “Free” and inserting
21 “4.3%”; and

22 (B) by striking “12/31/2020” and inserting
23 “12/31/2023”.

24 (180) HAIR-SLIDES WITHOUT IMITATION PEARLS
25 OR STONES.—Heading 9902.17.96 is amended—

1 (A) by striking “Free” and inserting
2 “8.6%”; and

3 (B) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (181) *EYELASH CURLERS*.—*Heading 9902.17.97*
6 *is amended—*

7 (A) by striking “Free” and inserting
8 “0.7%”; and

9 (B) by striking “12/31/2020” and inserting
10 “12/31/2023”.

11 (d) *MODIFICATIONS TO ARTICLE DESCRIPTIONS AND*
12 *RATES OF DUTY.—*

13 (1) *MINCED PIMIENTO STUFFED GREEN OL-*
14 *IVES*.—*Heading 9902.01.07 is amended—*

15 (A) by amending the article description to
16 read as follows: “Olives, green in color, stuffed
17 with minced pimiento, the foregoing in brine
18 and presented in glass containers, other than
19 place packed (provided for in subheading
20 2005.70.25)”;

21 (B) by striking “Free” and inserting
22 “1.9%”; and

23 (C) by striking “12/31/2020” and inserting
24 “12/31/2023”.

1 (2) *VINYL NEODECANOATE*.—*Heading 9902.02.78*
2 *is amended—*

3 (A) *by amending the article description to*
4 *read as follows: “Vinyl neodecanoate (vinyl 7,7-*
5 *dimethyloctanoate) (CAS No. 51000–52–3) (pro-*
6 *vided for in subheading 2915.90.18)”;*

7 (B) *by striking “Free” and inserting*
8 *“1.1%”; and*

9 (C) *by striking “12/31/2020” and inserting*
10 *“12/31/2023”.*

11 (3) *BIFENTHRIN*.—*Heading 9902.02.86 is*
12 *amended—*

13 (A) *by amending the article description to*
14 *read as follows: “2-Methylbiphenyl-3-ylmethyl*
15 *(1RS,3RS)-3-[(Z)-2-chloro-3,3,3-trifluoroprop-1-*
16 *enyl]-2,2-dimethylcyclopropanecarboxylate*
17 *(Bifenthrin) (CAS No. 82657–04–3) (provided*
18 *for in subheading 2916.20.50)”;*

19 (B) *by striking “2.4%” and inserting*
20 *“3.3%”; and*

21 (C) *by striking “12/31/2020” and inserting*
22 *“12/31/2023”.*

23 (4) *TRINEXAPAC-ETHYL*.—*Heading 9902.03.31 is*
24 *amended—*

1 (A) by amending the article description to
2 read as follows: “Ethyl (RS)-4-
3 cyclopropyl(hydroxy)methylene-3,5-
4 dioxocyclohexanecarboxylate (Trinexapac-ethyl)
5 (CAS No. 95266–40–3) (provided for in sub-
6 heading 2918.99.50)”;

7 (B) by striking “Free” and inserting
8 “2.5%”; and

9 (C) by striking “12/31/2020” and inserting
10 “12/31/2023”.

11 (5) 3,3’ DICHLOROBENZIDINE
12 DIHYDROCHLORIDE.—Heading 9902.03.88 is amend-
13 ed—

14 (A) by amending the article description to
15 read as follows: “3,3’-Dichlorobenzidine
16 dihydrochloride (3,3’-Dichloro-4,4’-
17 biphenyldiamine dihydrochloride) (CAS No.
18 612–83–9) (provided for in subheading
19 2921.59.80)”;

20 (B) by striking “Free” and inserting
21 “0.8%”; and

22 (C) by striking “12/31/2020” and inserting
23 “12/31/2023”.

24 (6) 4-(4-AMINOPHENOXY)ANILINE.—Heading
25 9902.04.01 is amended—

1 *role-2,5-dione*) (CAS No. 119462–56–5) (pro-
 2 *vided for in subheading 2925.19.42)*”;

3 (B) *by striking “Free” and inserting*
 4 *“2.7%”*; and

5 (C) *by striking “12/31/2020” and inserting*
 6 *“12/31/2023”*.

7 (9) *2-METHOXYETHYL(RS)-2-(4-TERT-*
 8 *(CYFLUMETOFEN).—Heading 9902.04.66 is amend-*
 9 *ed—*

10 (A) *by amending the article description to*
 11 *read as follows: “2-Methoxyethyl 2-cyano-2-[4-(2-*
 12 *methyl-2-propanyl)pheno- nyl]-3-oxo-3-[2-*
 13 *(trifluoromethyl)phenyl]propanoate*
 14 *(Cyflumetafen) (CAS No. 400882–07–7) (pro-*
 15 *vided for in subheading 2926.90.25)*”;

16 (B) *by striking “Free” and inserting*
 17 *“1.5%”*; and

18 (C) *by striking “12/31/2020” and inserting*
 19 *“12/31/2023”*.

20 (10) *β-CYFLUTHRIN.—Heading 9902.04.70 is*
 21 *amended—*

22 (A) *by amending the article description to*
 23 *read as follows: “Cyano-(4-fluoro-3-*
 24 *phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-*
 25 *2,2-dimethylcyclopropane-1-carboxylate (β-*

1 *Cyfluthrin*) (CAS No. 68359–37–5) (provided for
2 in subheading 2926.90.30)”;

3 (B) by striking “3.4%” and inserting
4 “Free”; and

5 (C) by striking “12/31/2020” and inserting
6 “12/31/2023”.

7 (11) *DELTAMETHRIN*.—Heading 9902.04.71 is
8 amended—

9 (A) by amending the article description to
10 read as follows: “[*(S)*-Cyano-(3-
11 phenoxyphenyl)methyl] (1*R*,3*R*)-3-(2,2-
12 dibromoethenyl)-2,2-dimethylcyclopropane-1-
13 carboxylate (*Deltamethrin*) (CAS No. 52918–63–
14 5) (provided for in subheading 2926.90.30)”;

15 (B) by striking “1.8%” and inserting
16 “4.3%”; and

17 (C) by striking “12/31/2020” and inserting
18 “12/31/2023”.

19 (12) *METHOXYFENOZIDE TECHNICAL INSECTI-*
20 *CIDE*.—Heading 9902.04.84 is amended—

21 (A) by amending the article description to
22 read as follows: “*N*-(3,5-Dimethylbenzoyl)-3-
23 methoxy-2-methyl-*N*-(2-methyl-2-
24 propanyl)benzohydrazide (*Methoxyfenozide*)

1 (CAS No. 161050–58–4) (provided for in sub-
2 heading 2928.00.25)”;

3 (B) by striking “3.2%” and inserting
4 “5.4%”; and

5 (C) by striking “12/31/2020” and inserting
6 “12/31/2023”.

7 (13) *N*-BUTYLTHIOPHOSPHORIC TRIAMIDE
8 (NBPT).—Heading 9902.04.98 is amended—

9 (A) by amending the article description to
10 read as follows: “*N*-Butylthiophosphoric triamide
11 (CAS No. 94317–64–3) (provided for in sub-
12 heading 2929.90.50)”;

13 (B) by striking “Free” and inserting
14 “5.1%”; and

15 (C) by striking “12/31/2020” and inserting
16 “12/31/2023”.

17 (14) CLETHODIM.—Heading 9902.05.05 is
18 amended—

19 (A) by amending the article description to
20 read as follows: “2-[1-(\{[(2*E*)-3-Chloro-2-propen-
21 1-yl]oxy\}amino)propyl]-5-[2-
22 (ethylsulfanyl)propyl]-1,3-cyclohex- anedione
23 (Clethodim) (CAS No. 99129–21–2) (provided
24 for in subheading 2930.90.10)”;

1 (B) by striking “Free” and inserting
2 “3.9%”; and

3 (C) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (15) *AE* 747 *ETHER*.—Heading 9902.05.07 is
6 amended—

7 (A) by amending the article description to
8 read as follows: “2-Chloro-4-(methylsulfonyl)-3-
9 ((2,2,2-trifluoroethoxy)methyl) benzoic acid (CAS
10 No. 120100–77–8) (provided for in subheading
11 2930.90.29)”;

12 (B) by striking “5.7%” and inserting
13 “6%”; and

14 (C) by striking “12/31/2020” and inserting
15 “12/31/2023”.

16 (16) *THIODICARB*.—Heading 9902.05.15 is
17 amended—

18 (A) by amending the article description to
19 read as follows: “Methyl (1*E*)-N-[methyl-[methyl-
20 [(*E*)-1-methyl- sulfanylethylideneamino]
21 oxycarbonylamino] sulfanyl- car-
22 bamoyl]oxyethanimidothioate (Thiodicarb) (CAS
23 No. 59669–26–0) (provided for in subheading
24 2930.90.43)”;

1 (B) by striking “Free” and inserting
2 “3.6%”; and

3 (C) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (17) GLUFOSINATE-AMMONIUM.—Heading
6 9902.05.37 is amended—

7 (A) by amending the article description to
8 read as follows: “2-amino-4-[hy-
9 droxy(methyl)phosphoryl]butanoic acid;azane
10 (Glufosinate Ammonium) (CAS No. 77182–82–
11 2) (provided for in subheading 2931.39.00)”;

12 (B) by striking “1.5%” and inserting
13 “3.5%”; and

14 (C) by striking “12/31/2020” and inserting
15 “12/31/2023”.

16 (18) PYRAFLUFEN-ETHYL.—Heading 9902.05.63
17 is amended—

18 (A) by amending the article description to
19 read as follows: “Ethyl 2-chloro-5-(4-chloro-5-
20 difluoromethoxy-1-methyl-1H-pyra- zol-3-yl)-4-
21 fluorophenoxyacetate (Pyraflufen-ethyl) (CAS.
22 No 129630–19–9) (provided for in subheading
23 2933.19.23)”;

24 (B) by striking “Free” and inserting
25 “2.2%”; and

1 (C) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (19) *FIPRONIL*.—Heading 9902.05.66 is amend-
4 ed—

5 (A) by amending the article description to
6 read as follows: “(RS)-5-Amino-1-[2,6-dichloro-
7 4-(trifluoromethyl)phenyl]-4-
8 (trifluoromethylsulfanyl)-1H-pyrazole-3-
9 carbonitrile (*Fipronil*) (CAS No. 120068–37–3)
10 (provided for in subheading 2933.19.23)”;

11 (B) by striking “4.4%” and inserting
12 “5.4%”; and

13 (C) by striking “12/31/2020” and inserting
14 “12/31/2023”.

15 (20) *SOLATENOL*.—Heading 9902.05.69 is
16 amended—

17 (A) by amending the article description to
18 read as follows: “N-[9-(Dichloromethylidene)-
19 1,2,3,4-tetrahydro-1,4-methano- naphthalen-5-
20 yl]-3-(difluoromethyl)-1-methyl-1H-pyrazole-4-
21 carboxamide (*Benzovindiflupyr*) (CAS No.
22 1072957–71–1) (provided for in subheading
23 2933.19.23)”;

24 (B) by striking “4.0%” and inserting
25 “4.3%”; and

1 (C) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (21) *TECHNICAL TOLPYRALATE HERBICIDE.*—
4 *Heading 9902.05.71 is amended—*

5 (A) by amending the article description to
6 read as follows: “1-[[1-Ethyl-4-[3-(2-
7 methoxyethoxy)-2-methyl-4-
8 (methylsulfonyl)benzoyl]-1H-pyrazol-5-
9 yl]oxy]ethyl methyl carbonate (Tolpyralate)
10 (CAS No. 1101132–67–5) (provided for in sub-
11 heading 2933.19.23)”;
12 (B) by striking “Free” and inserting
13 “3.7%”; and
14 (C) by striking “12/31/2020” and inserting
15 “12/31/2023”.

16 (22) *IPRODIONE.*—*Heading 9902.05.73 is*
17 *amended—*

18 (A) by amending the article description to
19 read as follows: “3-(3,5-Dichlorophenyl)-N-iso-
20 propyl-2,4-dioxoimidazoli- dine-1-carboxamide
21 (Iprodione) (CAS No. 36734–19–7) (provided for
22 in subheading 2933.21.00)”;
23 (B) by striking “2.0%” and inserting
24 “1.4%”; and

1 (C) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (23) *FLUOPICOLIDE*.—Heading 9902.05.79 is
4 amended—

5 (A) by amending the article description to
6 read as follows: “2,6-Dichloro-N-[3-chloro-5-
7 (trifluoromethyl)-2- pyridylmethyl]benzamide
8 (*Fluopicolide*) (CAS No. 239110–15–7) (provided
9 for in subheading 2933.39.21)”;

10 (B) by striking “Free” and inserting “1%”;
11 and

12 (C) by striking “12/31/2020” and inserting
13 “12/31/2023”.

14 (24) *PICLORAM* *TECHNICAL*.—Heading
15 9902.05.90 is amended—

16 (A) by amending the article description to
17 read as follows: “4-Amino-3,5,6-trichloro-2-
18 pyridinecarboxylic acid (CAS No. 1918–02–1)
19 (provided for in subheading 2933.39.25)”;

20 (B) by striking “4.3%” and inserting
21 “5.1%”; and

22 (C) by striking “12/31/2020” and inserting
23 “12/31/2023”.

24 (25) *IMIDACLOPRID*.—Heading 9902.05.97 is
25 amended—

1 (A) by amending the article description to
2 read as follows: “N-[1-[(6-Chloropyridin-3-
3 yl)methyl]-4,5-dihydroimidazol- 2-yl]nitramide
4 (Imidacloprid) (CAS No. 138261-41-3) (pro-
5 vided for in subheading 2933.39.27)”;

6 (B) by striking “4.3%” and inserting
7 “5.4%”; and

8 (C) by striking “12/31/2020” and inserting
9 “12/31/2023”.

10 (26) 2-CYANOPYRIDINE.—Heading 9902.06.20 is
11 amended—

12 (A) by amending the article description to
13 read as follows: “2-Cyanopyridine (2-
14 Pyridinecarbonitrile) (CAS No. 100-70-9) (pro-
15 vided for in subheading 2933.39.91)”;

16 (B) by striking “2.3%” and inserting
17 “3.2%”; and

18 (C) by striking “12/31/2020” and inserting
19 “12/31/2023”.

20 (27) QUINCLORAC.—Heading 9902.06.23 is
21 amended—

22 (A) by amending the article description to
23 read as follows: “3,7-dichloroquinoline-8-car-
24 boxylic acid (Quinclorac) (CAS No. 84087-01-4)
25 (provided for in subheading 2933.49.30)”;

1 (B) by striking “Free” and inserting
2 “3.1%”; and

3 (C) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (28) AZOXYSTROBIN.—Heading 9902.06.30 is
6 amended—

7 (A) by amending the article description to
8 read as follows: “Methyl (2E)-2-(2-{[6-(2-
9 cyanophenoxy)pyrimidin-4-yl]oxy}phenyl)-3-
10 methoxyacrylate (Azoxystrobin) (CAS No.
11 131860–33–8) (provided for in subheading
12 2933.59.15)”;

13 (B) by striking “6.2%” and inserting
14 “5.9%”; and

15 (C) by striking “12/31/2020” and inserting
16 “12/31/2023”.

17 (29) DEDS.—Heading 9902.06.41 is amended—

18 (A) by amending the article description to
19 read as follows: “5-Ethoxy-2-[(5-ethoxy-7-fluoro-
20 [1,2,4]triazolo[1,5-c]pyrimidin-2-yl)disulfanyl]-
21 7-fluoro-[1,2,4]triazolo[1,5-c]pyrimidine (CAS
22 No. 166524–75–0) (provided for in subheading
23 2933.59.70)”;

24 (B) by striking “0.6%” and inserting
25 “5%”; and

1 (C) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (30) *SPIROTETRAMAT*.—Heading 9902.06.67 is
4 amended—

5 (A) by amending the article description to
6 read as follows: “[3-(2,5-Dimethylphenyl)-8-
7 methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl] ethyl
8 carbonate (*Spirotetramat*) (CAS No. 203313–25–
9 1) (provided for in subheading 2933.79.08)”;

10 (B) by striking “3.2%” and inserting
11 “1%”; and

12 (C) by striking “12/31/2020” and inserting
13 “12/31/2023”.

14 (31) *CYPROCONAZOLE*.—Heading 9902.06.77 is
15 amended—

16 (A) by amending the article description to
17 read as follows: “[α -(4-Chlorophenyl)- α -(1-
18 cyclopropylethyl)-1H-1,2,4- triazole-1-ethanol
19 (*Cyproconazole*) (CAS No. 94361–06–5) (pro-
20 vided for in subheading 2933.99.22)”;

21 (B) by striking “Free” and inserting
22 “1.3%”; and

23 (C) by striking “12/31/2020” and inserting
24 “12/31/2023”.

1 (32) *TEBUCONAZOLE*.—*Heading 9902.06.78 is*
2 *amended—*

3 (A) *by amending the article description to*
4 *read as follows: “(RS)-1-p-Chlorophenyl-4,4-di-*
5 *methyl-3-(1H-1,2,4-triazol-1-ylmethyl)pentan-3-*
6 *ol (Tebuconazole) (CAS No. 107534–96–3) (pro-*
7 *vided for in subheading 2933.99.22)”;*

8 (B) *by striking “Free” and inserting*
9 *“4.4%”; and*

10 (C) *by striking “12/31/2020” and inserting*
11 *“12/31/2023”.*

12 (33) *METCONAZOLE*.—*Heading 9902.06.80 is*
13 *amended—*

14 (A) *by amending the article description to*
15 *read as follows: “5-[(4-Chlorophenyl)methyl]-2,2-*
16 *dimethyl-1-(1,2,4-triazol-1-ylmethyl)cyclopentan-1-ol*
17 *(Metconazole) (CAS*
18 *No. 125116–23–6) (provided for in subheading*
19 *2933.99.22)”;*

20 (B) *by striking “1.6%” and inserting*
21 *“Free”; and*

22 (C) *by striking “12/31/2020” and inserting*
23 *“12/31/2023”.*

24 (34) *PROTHIOCONAZOLE*.—*Heading 9902.06.81*
25 *is amended—*

1 (A) by amending the article description to
2 read as follows: “2-[(2*RS*)-2-(1-
3 Chlorocyclopropyl)-3-(2-chlorophenyl)-2-
4 hydroxypropyl]-2*H*-1,2,4-triazole-3(4*H*)-thione
5 (Prothioconazole) (CAS No. 178928–70–6) (pro-
6 vided for in subheading 2933.99.22)”;

7 (B) by striking “5.3%” and inserting
8 “5.7%”; and

9 (C) by striking “12/31/2020” and inserting
10 “12/31/2023”.

11 (35) *FLUTRIAFOL*.—Heading 9902.06.84 is
12 amended—

13 (A) by amending the article description to
14 read as follows: “1-(2-Fluorophenyl)-1-(4-
15 fluorophenyl)-2-(1*H*-1,2,4- triazol-1-yl)ethanol
16 (*Flutriafol*) (CAS No. 76674–21–0) (provided for
17 in subheading 2933.99.22)”;

18 (B) by striking “0.2%” and inserting
19 “3%”; and

20 (C) by striking “12/31/2020” and inserting
21 “12/31/2023”.

22 (36) *IPCONAZOLE*.—Heading 9902.06.85 is
23 amended—

24 (A) by amending the article description to
25 read as follows: “(1*R*,2*S*,5*R*)-2-(4-Chlorobenzyl)-

1 (Clothianidin) (CAS No. 210880–92–5) (pro-
2 vided for in subheading 2934.10.90)”;

3 (B) by striking “6.1%” and inserting
4 “5.9%”; and

5 (C) by striking “12/31/2020” and inserting
6 “12/31/2023”.

7 (39) THIAMETHOXAM.—Heading 9902.07.07 is
8 amended—

9 (A) by amending the article description to
10 read as follows: “Thiamethoxam (3-(2-chloro-5-
11 thiazolylmethyl)tetrahydro-5- methyl-N-nitro-
12 1,3,5-oxadiazin-4-imine) (CAS No. 153719–23–
13 4) (provided for in subheading 2934.10.90)”;

14 (B) by striking “2.5%” and inserting
15 “6%”; and

16 (C) by striking “12/31/2020” and inserting
17 “12/31/2023”.

18 (40) DIFENOCONAZOLE.—Heading 9902.07.14 is
19 amended—

20 (A) by amending the article description to
21 read as follows: “1-($\{$ 2-[2-Chloro-4-(4-
22 chlorophenoxy)phenyl]-4-methyl-1,3- dioxolan-2-
23 yl $\}$ methyl)-1H-1,2,4-triazole (Difenoconazole)
24 (CAS No. 119446–68–3) (provided for in sub-
25 heading 2934.99.12)”;

1 (B) by striking “4.6%” and inserting
2 “5.6%”; and

3 (C) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (41) *FLUOXASTROBIN*.—Heading 9902.07.21 is
6 amended—

7 (A) by amending the article description to
8 read as follows: “(E)-1-[2-[6-(2-Chlorophenoxy)-
9 5-fluoropyrimidin-4-yl]oxyphenyl]-1-(5,6-
10 dihydro-1,4,2-dioxazin-3-yl)-N-
11 methoxymethanimine (*Fluoxastrobin*) (CAS No.
12 361377–29–9) (provided for in subheading
13 2934.99.12)”;

14 (B) by striking “Free” and inserting
15 “2.7%”; and

16 (C) by striking “12/31/2020” and inserting
17 “12/31/2023”.

18 (42) *ISOXAFLUTOLE*.—Heading 9902.07.22 is
19 amended—

20 (A) by amending the article description to
21 read as follows: “(5-Cyclopropyl-1,2-oxazol-4-yl)-
22 [2-methylsulfonyl-4-
23 (trifluoromethyl)phenyl]methanone (*Isoxaflutole*)
24 (CAS No. 141112–29–0) (provided for in sub-
25 heading 2934.99.15)”;

1 (B) by striking “5.5%” and inserting
2 “4.8%”; and

3 (C) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (43) PINOXADEN.—Heading 9902.07.26 is
6 amended—

7 (A) by amending the article description to
8 read as follows: “8-(2,6-Diethyl-4-methylphenyl)-
9 1,2,4,5-tetrahydro-7-oxo- 7H-pyrazolo[1,2-
10 d][1,4,5]oxadiazepin-9-yl-2,2-
11 dimethylpropanoate (Pinoxaden) (CAS No.
12 243973–20–8) (provided for in subheading
13 2934.99.15)”;

14 (B) by striking “5.4%” and inserting
15 “Free”; and

16 (C) by striking “12/31/2020” and inserting
17 “12/31/2023”.

18 (44) ISOXABEN TECHNICAL HERBICIDE.—Head-
19 ing 9902.07.27 is amended—

20 (A) by amending the article description to
21 read as follows: “2,6-Dimethoxy-N-[3-(3-methyl-
22 3-pentanyl)-1,2-oxazol-5- yl]benzamide
23 (isoxaben) (CAS No. 82558–50–7) (provided for
24 in subheading 2934.99.15)”;

1 (B) by striking “3.1%” and inserting
2 “2.7%”; and

3 (C) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (45) *FLUTHIACETMETHYL*.—Heading 9902.07.29
6 is amended—

7 (A) by amending the article description to
8 read as follows: “Methyl [[2-chloro-4-fluoro-
9 5[(tetrahydro-3-oxo-1*H*,3*H*-[1,3,4]thi-
10 adiazolo[3,4-*a*]pyridazin-1-
11 ylidene)amino]phenyl]thio]acetate (*Fluthiacet-*
12 *methyl technical*) (CAS No. 117337–19–6) (pro-
13 vided for in subheading 2934.99.15)”;

14 (B) by striking “Free” and inserting “3%”;
15 and

16 (C) by striking “12/31/2020” and inserting
17 “12/31/2023”.

18 (46) *FLUMIOXAZIN*.—Heading 9902.07.30 is
19 amended—

20 (A) by amending the article description to
21 read as follows: “2-[7-Fluoro-3-oxo-4-(2-propyn-
22 1-yl)-3,4-dihydro-2*H*- 1,4-benzoxazin-6-yl]-
23 4,5,6,7-tetrahydro-1*H*- isoindole-1,3(2*H*)-dione
24 (*Flumioxazin*) (CAS No. 103361–09–7) (pro-
25 vided for in subheading 2934.99.15)”;

1 (B) by striking “6.1%” and inserting
2 “5.6%”; and

3 (C) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (47) *BUPROFEZIN*.—Heading 9902.07.31 is
6 amended—

7 (A) by amending the article description to
8 read as follows: “(2*Z*)-3-Isopropyl-2-[(2-methyl-
9 2-propanyl)imino]-5-phenyl- 1,3,5-thiadiazinan-
10 4-one (*Buprofezin*) (CAS No. 69327–76–0 or
11 953030–84–7) (provided for in subheading
12 2934.99.16)”;

13 (B) by striking “1.4%” and inserting
14 “Free”; and

15 (C) by striking “12/31/2020” and inserting
16 “12/31/2023”.

17 (48) *SAROLANER*.—Heading 9902.07.38 is
18 amended—

19 (A) by amending the article description to
20 read as follows: “1-{5'-[(5*S*)-5-(3,5-Dichloro-4-
21 fluorophenyl)-4,5-dihydro-5- (trifluoromethyl)-
22 1,2-oxazol-3-yl]-1*H*,3'*H*-spiro[azetidine-3,1'-
23 [2]benzofuran]-1-yl}-2-mesylethanone
24 (*Sarolaner*) (CAS No. 1398609–39–6) (provided
25 for in subheading 2934.99.30)”;

1 (B) by striking “Free” and inserting
2 “4.5%”; and

3 (C) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (49) *ISOXADIFEN-ETHYL*.—*Heading 9902.07.43*
6 *is amended—*

7 (A) by amending the article description to
8 read as follows: “*Ethyl 5,5-diphenyl-4H-1,2-*
9 *oxazole-3-carboxylate (Isoxadifen-ethyl) (CAS*
10 *No. 163520–33–0) (provided for in subheading*
11 *2934.99.39)*”;

12 (B) by striking “4.0%” and inserting
13 “5.6%”; and

14 (C) by striking “12/31/2020” and inserting
15 “12/31/2023”.

16 (50) *PYROXASULFONE TECHNICAL*.—*Heading*
17 *9902.07.53 is amended—*

18 (A) by amending the article description to
19 read as follows: “*3-({[5-(Difluoromethoxy)-1-*
20 *methyl-3-(trifluoromethyl)-1H- pyrazol-4-*
21 *yl]methyl}sulfonyl)-5,5-dimethyl-4,5- dihydro-*
22 *1,2-oxazole (Pyroxasulfone) (CAS No. 447399–*
23 *55–5) (provided for in subheading 2934.99.90)*”;

24 (B) by striking “3.5%” and inserting
25 “6.3%”; and

1 (C) by striking “12/31/2020” and inserting
2 “12/31/2023”.

3 (53) *COPPER PHTHALOCYANINE BLUE CRUDE*.—
4 *Heading 9902.08.59 is amended—*

5 (A) by amending the article description to
6 read as follows: “Copper phthalocyanine
7 ((Phthalocyanato(2-))-copper), not ready for use
8 as pigment (PCN Blue Crude) (CAS No. 147–
9 14–8) (provided for in subheading 3204.17.20)”;

10 (B) by striking “3.3%” and inserting
11 “3%”; and

12 (C) by striking “12/31/2020” and inserting
13 “12/31/2023”.

14 (54) *SPIROTETRAMAT FORMULATIONS*.—*Heading*
15 *9902.09.24 is amended—*

16 (A) by amending the article description to
17 read as follows: “Product mixtures containing
18 (5*s*, 8*s*)-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-
19 1-azaspiro [4.5] dec-3-en-4-yl ethyl carbonate
20 (Spirotetramat) (CAS No. 203313–25–1) (pro-
21 vided for in subheading 3808.91.25)”;

22 (B) by striking “5.2%” and inserting
23 “Free”; and

24 (C) by striking “12/31/2020” and inserting
25 “12/31/2023”.

1 (55) *PROTHIOCONAZOLE AND TEBUCONAZOLE*
2 *FORMULATIONS.—Heading 9902.09.50 is amended—*

3 (A) *by amending the article description to*
4 *read as follows: “Product mixtures containing 2-*
5 *[(2RS)-2-(1-chlorocyclopropyl)-3-(2-*
6 *chlorophenyl) -2-hydroxypropyl]-2H-1,2,4-tri-*
7 *azole-3 (4H)-thione (Prothioconazole) (CAS No.*
8 *178928–70–6) and (RS)-1-p-chlorophenyl-4,4-di-*
9 *methyl-3-(1H-1,2,4-triazol-1-ylmethyl) pentan-3-*
10 *ol (Tebuconazole) (CAS No. 107534–96–3) (pro-*
11 *vided for in subheading 3808.92.15)”;*

12 (B) *by striking “4.9%” and inserting*
13 *“3.2%”; and*

14 (C) *by striking “12/31/2020” and inserting*
15 *“12/31/2023”.*

16 (56) *TRIFLOXYSTROBIN AND PROTHIOCONAZOLE*
17 *FORMULATIONS.—Heading 9902.09.51 is amended—*

18 (A) *by amending the article description to*
19 *read as follows: “Product mixtures containing*
20 *methyl (E)-methoxyimino-{(E)-2-[1-(α , α , α -*
21 *trifluoro-m-tolyl) ethylideneaminooxy]-o-*
22 *tolyl}acetate (Trifloxystrobin) (CAS No. 141517–*
23 *21–7) and 2-[(2RS)-2-(1-chlorocyclopropyl)-3-(2-*
24 *chlorophenyl) -2-hydroxypropyl]-2H-1,2,4-tri-*
25 *azole-3(4H)-thione (Prothioconazole) (CAS No.*

1 178928–70–6) (provided for in subheading
2 3808.92.15)”;

3 (B) by striking “4.0%” and inserting
4 “Free”; and

5 (C) by striking “12/31/2020” and inserting
6 “12/31/2023”.

7 (57) *PROPOXYCARBAZONE-SODIUM FORMULA-*
8 *TIONS.—Heading 9902.09.85 is amended—*

9 (A) by amending the article description to
10 read as follows: “Product mixtures containing
11 sodium {[2-(methoxycarbonyl) phenyl]sulfonyl}
12 [(4,5-dihydro-4-methyl-5-oxo-3-propoxy-1H-
13 1,2,4-triazol-1-yl) carbonyl] azanide
14 (Propoxycarbazone sodium) (CAS No. 181274–
15 15–7) (provided for in subheading 3808.93.15)”;
16

17 (B) by striking “3.8%” and inserting
18 “Free”; and

19 (C) by striking “12/31/2020” and inserting
20 “12/31/2023”.

21 (58) *HERBICIDE FOR BROADLEAF WEEDS.—*
22 *Heading 9902.09.86 is amended—*

23 (A) by amending the article description to
24 read as follows: “Product mixtures containing
25 (5-hydroxy-1,3-dimethyl-1H-pyrazol-4-yl)[2-
(methylsulfonyl)-4-(trifluoromethyl) phenyl]”

1 *methanone (Pyrasulfotole) (CAS No. 365400–11–*
2 *9); (2,6-dibromo-4-cyanophenyl) octanoate*
3 *(Bromoxynil Octanoate) (CAS No. 1689–99–2);*
4 *2,6-dibromo-4-cyanophenyl heptanoate*
5 *(Bromoxynil Heptanoate) (CAS No. 56634–95–*
6 *8); and diethyl 1-(2,4-dichlorophenyl)-5-methyl-*
7 *4,5-dihydro-1H-pyrazole-3,5-dicarboxylate*
8 *(Mefenpyr-diethyl) (CAS No. 135590–91–9)*
9 *(provided for in subheading 3808.93.15)”;*

10 (B) by striking “3.7%” and inserting
11 “2.6%”; and

12 (C) by striking “12/31/2020” and inserting
13 “12/31/2023”.

14 (59) *ASULAM SODIUM SALT FORMULATIONS.—*
15 *Heading 9902.09.96 is amended—*

16 (A) by amending the article description to
17 read as follows: “*Mixtures of methyl*
18 *sulfanilylcarbamate, sodium salt (Asulam so-*
19 *dium salt) (CAS No. 2302–17–2) and applica-*
20 *tion adjuvants (provided for in subheading*
21 *3808.93.15)”;*

22 (B) by striking “2.0%” and inserting
23 “3.7%”; and

24 (C) by striking “12/31/2020” and inserting
25 “12/31/2023”.

1 (B) by striking “1.3%” and inserting
2 “Free”; and

3 (C) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (62) *INDAZIFLAM FORMULATIONS.*—*Heading*
6 9902.10.09 is amended—

7 (A) by amending the article description to
8 read as follows: “Mixtures containing N-
9 [(1R,2S)-2,6-dimethyl-2,3-dihydro-1H-inden-1-
10 yl]-6-[(1R)-1-fluoroethyl]-1,3,5-triazine-2,4-
11 diamine (Indaziflam) (CAS No. 950782–86–2)
12 and application adjuvants (provided for in sub-
13 heading 3808.93.15)”;

14 (B) by striking “5.6%” and inserting
15 “5.1%”; and

16 (C) by striking “12/31/2020” and inserting
17 “12/31/2023”.

18 (63) *HERBICIDE MIXTURES.*—*Heading*
19 9902.10.10 is amended—

20 (A) by amending the article description to
21 read as follows: “Mixtures containing 2,5-di-
22 methyl-4-[2-methylsulfonyl-4-
23 (trifluoromethyl)benzoyl]-1H-pyrazol-3-one
24 (Pyrasulfotole) (CAS No. 365400–11–9); 2,6-
25 dibromo-4-cyanophenyl octanoate (Bromoxynil

1 *Octanoate* (CAS No. 1689–99–2); methyl 4-[(3-
 2 *methoxy-4-methyl-5-oxo-4,5-dihydro-1H-1,2,4-*
 3 *triazol-1-yl) carbonyl] sulfamoyl}-5-methyl-3-
 4 *thiophenecarboxylate* (*Thiencarbazone-Methyl*)
 5 (CAS No. 317815–83–1); and diethyl 1-(2,4-
 6 *dichlorophenyl)-5-methyl-4,5-dihydro-1H-pyr-*
 7 *azole-3,5-dicarboxylate* (*Mefenpyr-diethyl*) (CAS
 8 No. 135590–91–9) (provided for in subheading
 9 3808.93.15”);*

10 (B) by striking “3.6%” and inserting
 11 “2.6%”; and

12 (C) by striking “12/31/2020” and inserting
 13 “12/31/2023”.

14 (64) *PRODUCT USED AS LUBRICANT OR MOLD*
 15 *RELEASE MATERIAL.—Heading 9902.10.93 is amend-*
 16 *ed—*

17 (A) by amending the article description to
 18 read as follows: “*Ethene, 1,1,2,2-tetrafluoro-*
 19 *oxidized, polymerized, reduced, methyl esters, re-*
 20 *duced* (CAS No. 88645–29–8) (provided for in
 21 subheading 3904.69.50)”;

22 (B) by striking “2.1%” and inserting
 23 “*Free*”; and

24 (C) by striking “12/31/2020” and inserting
 25 “12/31/2023”.

1 (65) *HEAT-CURABLE EPOXY RESIN MIXTURES.*—
2 *Heading 9902.11.15 is amended—*

3 (A) *by amending the article description to*
4 *read as follows: “Heat-curable epoxy resin mix-*
5 *tures containing more than 30 percent by weight*
6 *of 4,4’-(9H-fluorene-9,9-diyl)bis(2-chloroaniline)*
7 *(CAS No. 107934–68–9) as a curing agent (pro-*
8 *vided for in subheading 3907.30.00)”;*

9 (B) *by striking “Free” and inserting*
10 *“3.4%”; and*

11 (C) *by striking “12/31/2020” and inserting*
12 *“12/31/2023”.*

13 (66) *POLYMER OF 1,4-BENZENEDICARBOXYLIC*
14 *ACID WITH 1,4-BUTANEDIOL AND HEXANEDIOIC*
15 *ACID.—Heading 9902.11.23 is amended—*

16 (A) *by amending the article description to*
17 *read as follows: “Polymer of 1,4-*
18 *benzenedicarboxylic acid with 1,4-butanediol and*
19 *hexanedioic acid (CAS No. 60961–73–1) (pro-*
20 *vided for in subheading 3907.99.50)”;*

21 (B) *by striking “1.6%” and inserting*
22 *“3.6%”; and*

23 (C) *by striking “12/31/2020” and inserting*
24 *“12/31/2023”.*

1 (67) *SET OF PLASTIC CUTLERY WRAPPED IN*
2 *PAPER.—Heading 9902.11.96 is amended—*

3 (A) *by amending the article description to*
4 *read as follows: “Cutlery of plastics, presented*
5 *with quantities of identical cutlery items joined*
6 *together by paper wrapping or paper banding*
7 *designed for ease of loading in a fully enclosed*
8 *dispensing system (provided for in subheading*
9 *3924.10.40)”;*

10 (B) *by striking “Free” and inserting*
11 *“1.8%”; and*

12 (C) *by striking “12/31/2020” and inserting*
13 *“12/31/2023”.*

14 (68) *ACRYLIC FILAMENT TOW WITH A DECITEX*
15 *OF 5 TO 5.6.—Heading 9902.13.04 is amended—*

16 (A) *by amending the article description to*
17 *read as follows: “Acrylic filament tow containing*
18 *85 percent or more by weight of acrylonitrile*
19 *units and 2 percent or more but not more than*
20 *8 percent of water, dyed, such tow with a decitex*
21 *of 5 to 5.6, an aggregate filament measure in the*
22 *tow bundle between 660,000 and 1,200,000 and*
23 *a length greater than 2 m (provided for in sub-*
24 *heading 5501.30.00)”;*

1 (B) by striking “Free” and inserting
2 “1.5%”; and

3 (C) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (69) MODACRYLIC STAPLE FIBER WITH A
6 DECITEX OF 1.7 AND A FIBER LENGTH OF 38MM.—
7 Heading 9902.13.19 is amended—

8 (A) by amending the article description to
9 read as follows: “Modacrylic staple fibers con-
10 taining by weight 2 percent or more but not over
11 3 percent of water, not pigmented (ecru),
12 crimped, with a decitex of 1.7 and fiber length
13 of 38 mm (provided for in subheading
14 5503.30.00)”;

15 (B) by striking “Free” and inserting
16 “0.6%”; and

17 (C) by striking “12/31/2020” and inserting
18 “12/31/2023”.

19 (70) HAND-TUFTED WOOL CARPETS.—Heading
20 9902.13.42 is amended—

21 (A) by amending the article description to
22 read as follows: “Carpets and other textile floor
23 coverings, tufted, whether or not made up, of
24 wool or fine animal hair, hand-hooked, that is,
25 in which the tufts were inserted by hand or by

1 *means of a hand tool that is not power-driven*
2 *(provided for in subheading 5703.10.20)”;*

3 *(B) by striking “5.8%” and inserting*
4 *“5.3%”; and*

5 *(C) by striking “12/31/2020” and inserting*
6 *“12/31/2023”.*

7 (71) *WOMEN’S FOOTWEAR MADE ON A BASE OR*
8 *PLATFORM OF WOOD.—Heading 9902.14.20 is amend-*
9 *ed—*

10 *(A) by amending the article description to*
11 *read as follows: “Footwear for women, with outer*
12 *soles of rubber or plastics and uppers of leather,*
13 *made on a base or platform of wood (provided*
14 *for in subheading 6403.99.20)”;*

15 *(B) by striking “1.4%” and inserting*
16 *“Free”; and*

17 *(C) by striking “12/31/2020” and inserting*
18 *“12/31/2023”.*

19 (72) *SCISSORS, VALUED OVER \$1.75 PER*
20 *DOZEN.—Heading 9902.15.31 is amended—*

21 *(A) by amending the article description to*
22 *read as follows: “Scissors, valued over \$1.75/*
23 *dozen, each with stainless steel blades, one small*
24 *loop handle and one larger loop handle and with*
25 *an overall length of less than 17 cm, the fore-*

1 *going other than those scissors designed for use*
2 *in pet grooming and presented with attached re-*
3 *tail labeling or put up for retail sale as goods de-*
4 *signed to cut pet hair (provided for in sub-*
5 *heading 8213.00.90)”;*

6 *(B) by striking “4.2%” and inserting*
7 *“2.5%”; and*

8 *(C) by striking “12/31/2020” and inserting*
9 *“12/31/2023”.*

10 (73) *TIRE ASSEMBLY MACHINES.—Heading*
11 *9902.15.82 is amended—*

12 *(A) by amending the article description to*
13 *read as follows: “Machinery for molding, assem-*
14 *bling or otherwise forming uncured,*
15 *unvulcanized rubber (green) tires (provided for*
16 *in subheading 8477.59.01), the foregoing to be*
17 *used in production of new pneumatic tires de-*
18 *signed in all sizes for motor cars (such tires of*
19 *subheadings 4011.10.10 and 4011.10.50), buses*
20 *and trucks (such tires of subheadings 4011.20.10*
21 *and 4011.20.50), motorcycles (such tires of sub-*
22 *heading 4011.40.00) and agricultural, forestry,*
23 *construction or industrial vehicles (such tires of*
24 *subheadings 4011.70.00, 4011.80.10, 4011.80.20,*

1 4011.80.80, 4011.90.10, 4011.90.20 and
2 4011.90.80”);

3 (B) by striking “2.5%” and inserting
4 “2.1%”; and

5 (C) by striking “12/31/2020” and inserting
6 “12/31/2023”.

7 (74) *FUEL INJECTORS*.—*Heading 9902.15.94 is*
8 *amended—*

9 (A) by amending the article description to
10 read as follows: “*Fuel injectors (other than used),*
11 *each incorporating a valve and a micro-stamped*
12 *orifice hole, certified by the importer as designed*
13 *to deliver fuel to the combustion chamber of a*
14 *gasoline engine with a pressure not exceeding*
15 *120 MPa (1200 bar) (provided for in subheading*
16 *8481.80.90)”;*

17 (B) by striking “1.9%” and inserting
18 “1.3%”; and

19 (C) by striking “12/31/2020” and inserting
20 “12/31/2023”.

21 (75) *SUBSEA FLOW MODULES*.—*Heading*
22 *9902.15.95 is amended—*

23 (A) by amending the article description to
24 read as follows: “*Valves, capable of operating at*
25 *pressures of 68.94 MPa or more (provided for in*

1 *subheading 8481.80.90), for controlling produc-*
2 *tion flow through a subsea tree, each valve*
3 *mounted in a module that can be unlocked by a*
4 *remotely operated underwater vehicle for subse-*
5 *quent removal and replacement”;*

6 *(B) by striking “Free” and inserting*
7 *“0.4%”; and*

8 *(C) by striking “12/31/2020” and inserting*
9 *“12/31/2023”.*

10 (76) *USED TRANSMISSIONS.—Heading*
11 9902.16.01 *is amended—*

12 *(A) by amending the article description to*
13 *read as follows: “Used fixed ratio speed changers*
14 *(provided for in subheading 8483.40.50), other*
15 *than transmissions for the vehicles of headings*
16 *8701, 8702, 8703, 8704 and 8705”;*

17 *(B) by striking “1.9%” and inserting*
18 *“Free”; and*

19 *(C) by striking “12/31/2020” and inserting*
20 *“12/31/2023”.*

21 (77) *MOTOR ASSEMBLIES FOR ELECTRIC BOX*
22 *FANS.—Heading 9902.16.08 is amended—*

23 *(A) by amending the article description to*
24 *read as follows: “AC electric motors of an output*
25 *exceeding 37.5 W but not exceeding 74.6 W, sin-*

1 *gle phase, each equipped with a capacitor, rotary*
2 *speed control mechanism and a motor mounting*
3 *cooling ring (provided for in subheading*
4 *8501.40.20)”;*

5 *(B) by striking “Free” and inserting*
6 *“1.1%”; and*

7 *(C) by striking “12/31/2020” and inserting*
8 *“12/31/2023”.*

9 *(78) MOTOR ASSEMBLIES FOR OSCILLATING*
10 *FANS.—Heading 9902.16.09 is amended—*

11 *(A) by amending the article description to*
12 *read as follows: “AC electric motors of an output*
13 *exceeding 37.5 W but not exceeding 72 W, single*
14 *phase, each equipped with a capacitor, a speed*
15 *control mechanism, and a motor mount of plas-*
16 *tics and a self-contained gear mechanism for os-*
17 *cillation (provided for in subheading*
18 *8501.40.20)”;*

19 *(B) by striking “2.0%” and inserting*
20 *“2.3%”; and*

21 *(C) by striking “12/31/2020” and inserting*
22 *“12/31/2023”.*

23 *(79) ELECTRIC MULTI-COOKERS.—Heading*
24 *9902.16.74 is amended—*

1 (A) by amending the article description to
2 read as follows: “*Electrothermic multifunctional*
3 *cookers (multicookers) of a kind used for domes-*
4 *tic purposes, each incorporating a timer and de-*
5 *signed to prepare foods by various methods, in-*
6 *cluding boiling, simmering, baking, frying,*
7 *roasting or stewing (provided for in subheading*
8 *8516.79.00), the foregoing without a thermometer*
9 *probe”;*

10 (B) by striking “Free” and inserting
11 “2.3%”; and

12 (C) by striking “12/31/2020” and inserting
13 “12/31/2023”.

14 (80) *BABY STROLLER SYSTEMS.—Heading*
15 *9902.17.14 is amended—*

16 (A) by amending the article description to
17 read as follows: “*Baby strollers, each with chas-*
18 *sis presented with removable seat and removable*
19 *bassinet, with the seat designed to be attached to*
20 *the chassis base plate, with the seat backrest de-*
21 *signed to allow a child to be in a reclining posi-*
22 *tion or to be supported at varying backrest an-*
23 *gles; the foregoing not including any such stroller*
24 *with a tilting or tilted seat only (provided for in*
25 *subheading 8715.00.00)”;*

1 (B) by striking “Free” and inserting
2 “2.5%”; and

3 (C) by striking “12/31/2020” and inserting
4 “12/31/2023”.

5 (81) *IRON HEAD GOLF CLUBS*.—*Heading*
6 9902.17.59 is amended—

7 (A) by amending the article description to
8 read as follows: “Golf club heads designed for
9 clubs designated as 1-irons, 2-irons, 3-irons, 4-
10 irons or 5-irons (provided for in subheading
11 9506.39.00)”;

12 (B) by striking “1.0%” and inserting
13 “2.1%”; and

14 (C) by striking “12/31/2020” and inserting
15 “12/31/2023”.

16 (82) *GOLF CLUB IRON HEADS OF 6-IRONS AND 7-*
17 *IRONS*.—*Heading 9902.17.62 is amended—*

18 (A) by amending the article description to
19 read as follows: “Golf club heads designed for
20 clubs designated as 6-irons and 7-irons (provided
21 for in subheading 9506.39.00)”;

22 (B) by striking “1.0%” and inserting
23 “2.4%”; and

24 (C) by striking “12/31/2020” and inserting
25 “12/31/2023”.

1 **PART III—EFFECTIVE DATE**

2 **SEC. 75461. EFFECTIVE DATE.**

3 (a) *IN GENERAL.*—*The amendments made by this sub-*
4 *title apply to articles entered on or after the date that is*
5 *120 days before the date of the enactment of this Act.*

6 (b) *RETROACTIVE APPLICATION.*—

7 (1) *IN GENERAL.*—*Notwithstanding section 514*
8 *of the Tariff Act of 1930 (19 U.S.C. 1514) or any*
9 *other provision of law and subject to paragraph (2),*
10 *any entry of an article classifiable under a heading*
11 *of subchapter II of chapter 99 of the Harmonized*
12 *Tariff Schedule of the United States added or amend-*
13 *ed by this subtitle—*

14 (A) *that was made—*

15 (i) *on or after the date that is 120*
16 *days before the date of the enactment of this*
17 *Act, and*

18 (ii) *before the date of the enactment of*
19 *this Act, and*

20 (B) *to which a lower rate of duty would*
21 *apply if the entry were made on or after such*
22 *date of enactment,*

23 *shall be liquidated or reliquidated as though such*
24 *entry occurred on such date of enactment.*

25 (2) *REQUESTS.*—*A liquidation or reliquidation*
26 *may be made under paragraph (1) with respect to an*

1 *entry only if a request therefor is filed with U.S. Customs and Border Protection not later than 180 days*
 2 *after the date of the enactment of this Act that contains sufficient information to enable U.S. Customs*
 3 *and Border Protection—*

4
 5
 6 *(A) to locate the entry; or*

7 *(B) to reconstruct the entry if it cannot be*
 8 *located.*

9 *(3) PAYMENT OF AMOUNTS OWED.—Any*
 10 *amounts owed by the United States pursuant to the*
 11 *liquidation or reliquidation of an entry of a covered*
 12 *article under subparagraph (A) shall be paid, without*
 13 *interest, not later than 90 days after the date of the*
 14 *liquidation or reliquidation (as the case may be).*

15 *(c) DEFINITIONS.—In this section, the terms “enter”*
 16 *and “entry” include a withdrawal from warehouse for con-*
 17 *sumption.*

18 ***Subtitle C—Reauthorization of***
 19 ***American Manufacturing Com-***
 20 ***petitiveness Act of 2016***

21 ***SEC. 75471. REAUTHORIZATION OF AMERICAN MANUFAC-***
 22 ***TURING COMPETITIVENESS ACT OF 2016.***

23 *(a) NEW PROCESS FOR CONSIDERATION OF PETI-*
 24 *TIONS.—Section 3(b)(1) of the American Manufacturing*
 25 *Competitiveness Act of 2016 (Public Law 114–159; 19*

1 *U.S.C. 1332 note) is amended, in the matter preceding sub-*
 2 *paragraph (A), by striking “October 15, 2016, and October*
 3 *15, 2019” and inserting “October 15, 2022, and October*
 4 *15, 2025”.*

5 *(b) CONTENT OF PETITIONS.—Section 3(b)(2)(E)(i) of*
 6 *such Act is amended to read as follows:*

7 *“(i) the classification of the article*
 8 *under chapters 1 through 97 of the Har-*
 9 *monized Tariff Schedule of the United*
 10 *States that has been used or will be used by*
 11 *the importer, to be included in the amend-*
 12 *ment to subchapter II of chapter 99 of that*
 13 *Schedule;”.*

14 *(c) REPORT.—Section 4(a) of such Act is amended by*
 15 *striking “12 months” and all that follows through “tariff*
 16 *bill” and inserting “18 months after the date on which the*
 17 *duty suspensions and reductions included in a miscella-*
 18 *neous tariff bill take effect”.*

19 ***TITLE V—AUTHORIZATION OF***
 20 ***APPROPRIATIONS***

21 ***SEC. 76001. AUTHORIZATION OF ADDITIONAL APPROPRIA-***
 22 ***TIONS.***

23 *(a) IN GENERAL.—There are authorized to be appro-*
 24 *priated to the head of each agency specified in subsection*

1 (b) such sums as may be necessary for the agency to carry
2 out the responsibilities of the agency under this title.

3 (b) *AGENCIES SPECIFIED.*—The agencies specified in
4 this subsection are the following:

5 (1) *The Office of the United States Trade Rep-*
6 *resentative.*

7 (2) *The Department of Commerce.*

8 (3) *The Department of the Treasury.*

9 (4) *U.S. Customs and Border Protection.*

10 **TITLE VI—CUSTOMS USER FEES**

11 **SEC. 77001. EXTENSION OF CUSTOMS USER FEES.**

12 (a) *IN GENERAL.*—Section 13031(j)(3) of the Consoli-
13 dated Omnibus Budget Reconciliation Act of 1985 (19
14 U.S.C. 58c(j)(3)) is amended—

15 (1) in subparagraph (A), by striking “September
16 30, 2030” and inserting “August 7, 2031”; and

17 (2) in subparagraph (B)(i), by striking “Sep-
18 tember 30, 2030” and inserting “August 7, 2031”.

19 (b) *RATE FOR MERCHANDISE PROCESSING FEES.*—
20 Section 503 of the United States-Korea Free Trade Agree-
21 ment Implementation Act (Public Law 112–41; 19 U.S.C.

- 1 3805 note) is amended by striking “September 30, 2030”
- 2 and inserting “August 7, 2031”.

Attest:

Secretary.

117TH CONGRESS
2^D SESSION

H.R. 4521

AMENDMENT