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117TH CONGRESS 2D SESSION S. 2491

[Report No. 117-271]

To amend the Homeland Security Act of 2002 to establish the National Cyber Resilience Assistance Fund, to improve the ability of the Federal Government to assist in enhancing critical infrastructure cyber resilience, to improve security in the national cyber ecosystem, to address Systemically Important Critical Infrastructure, and for other purposes.

IN THE SENATE OF THE UNITED STATES

July 27, 2021

Mr. King (for himself, Mr. Rounds, Mr. Sasse, Ms. Rosen, Ms. Hassan, and Mr. Ossoff) introduced the following bill; which was read twice and referred to the Committee on Homeland Security and Governmental Affairs

December 19, 2022

Reported by Mr. Peters, with an amendment

[Strike out all after the enacting clause and insert the part printed in italic]

A BILL

To amend the Homeland Security Act of 2002 to establish the National Cyber Resilience Assistance Fund, to improve the ability of the Federal Government to assist in enhancing critical infrastructure cyber resilience, to improve security in the national cyber ecosystem, to address Systemically Important Critical Infrastructure, and for other purposes.

- 1 Be it enacted by the Senate and House of Representa-
- 2 tives of the United States of America in Congress assembled,
- 3 SECTION 1. SHORT TITLE; TABLE OF CONTENTS.
- 4 (a) SHORT TITLE.—This Act may be eited as the
- 5 "Defense of United States Infrastructure Act of 2021".
- 6 (b) Table of Contents for
- 7 this Act is as follows:
 - See. 1. Short title; table of contents.

TITLE I—INVESTING IN CYBER RESILIENCY IN CRITICAL INFRASTRUCTURE

- Sec. 101. Establishment of the National Cyber Resilience Assistance Fund.
- TITLE II—IMPROVING THE ABILITY OF THE FEDERAL GOVERNMENT TO ASSIST IN ENHANCING CRITICAL INFRASTRUCTURE CYBER RESILIENCE
- Sec. 201. Institute a 5-year term for the cybersecurity and infrastructure security director.
- Sec. 202. Create a joint collaborative environment.
- Sec. 203. Designate three critical technology security centers.

TITLE III—IMPROVING SECURITY IN THE NATIONAL CYBER ECOSYSTEM

- Sec. 301. Establish a National Cybersecurity Certification and Labeling Authority.
- Sec. 302. Establish the Bureau of Cybersecurity Statistics.
- Sec. 303. Secure foundational internet protocols.

TITLE IV—SYSTEMICALLY IMPORTANT CRITICAL INFRASTRUCTURE

- Sec. 401. Definitions.
- Sec. 402. Systemically Important Critical Infrastructure.
- See. 403. Plan for enhancement of Systemically Important Critical Infrastructure methodology and capability.

TITLE V—ENABLING THE NATIONAL CYBER DIRECTOR

Sec. 501. Establishment of hiring authorities for the Office of the National Cyber Director.

I—INVESTING IN CYBER TITLE RESILIENCY IN CRITICAL IN-2 FRASTRUCTURE 3 4 SEC. 101. ESTABLISHMENT OF THE NATIONAL CYBER RE-5 SILIENCE ASSISTANCE FUND. 6 (a) SENSE OF CONGRESS.—It is the sense of Con-7 gress that— 8 (1) the United States now operates in a cyber 9 landscape that requires a level of data security, resil-10 ience, and trustworthiness that neither the United 11 States Government nor the private sector alone is 12 currently equipped to provide; 13 (2) the United States must deny benefits to ad-14 versaries who have long exploited cyberspace to their 15 advantage, to the disadvantage of the United States, 16 and at little cost to themselves: 17 (3) this new approach requires securing critical 18 networks in collaboration with the private sector to 19 promote national resilience and increase the security 20 of the cyber ecosystem; 21 (4) reducing the vulnerabilities adversaries can

target denies them opportunities to attack the inter-

ests of the United States through eyberspace;

22

- (5) the public and private sectors struggle to coordinate cyber defenses, leaving gaps that decrease national resilience and create systemic risk;
 - (6) new technology continues to emerge that further compounds these challenges;
 - (7) while the Homeland Security Grant Program and resourcing for national preparedness under the Federal Emergency Management Agency are well-established, the United States Government has no equivalent for cybersecurity preparation or prevention;
 - (8) the lack of a consistent, resourced fund for investing in resilience in key areas inhibits the United States Government from conveying its understanding of risk into strategy, planning, and action in furtherance of core objectives for the security and resilience of critical infrastructure;
 - (9) Congress has worked diligently to establish the Cybersecurity and Infrastructure Security Agency, creating a new agency that can leverage broad authorities to receive and share information, provide technical assistance to operators, and partner with stakeholders across the executive branch, State and local communities, and the private sector;

1	(10) the Cybersecurity and Infrastructure Secu-
2	rity Agency requires strengthening in its mission to
3	ensure the national resilience of critical infrastruc-
4	ture, promote a more secure cyber ecosystem, and
5	serve as the central coordinating element to support
6	and integrate Federal, State, local, and private-sec-
7	tor eybersecurity efforts; and
8	(11) the Cybersecurity and Infrastructure Secu-
9	rity Agency requires further resource investment and
10	elear authorities to realize its full potential.
11	(b) AMENDMENTS.—Subtitle A of title XXII of the
12	Homeland Security Act of 2002 (6 U.S.C. 651 et seq.)
13	is amended—
14	(1) in section 2202(e) (6 U.S.C. 652(e))—
15	(A) in paragraph (11), by striking "and"
16	at the end;
17	(B) in the first paragraph designated as
18	paragraph (12), relating to the Cybersecurity
19	State Coordinator—
20	(i) by striking "section 2215" and in-
21	serting "section 2217"; and
22	(ii) by striking "and" at the end; and
23	(C) by redesignating the second and third
24	paragraphs designated as paragraph (12) as
25	paragraphs (13) and (14), respectively;

1	(2) by redesignating section 2217 (6 U.S.C.
2	665f) as section 2220;
3	(3) by redesignating section 2216 (6 U.S.C.
4	665e) as section 2219;
5	(4) by redesignating the fourth section 2215
6	(relating to Sector Risk Management Agencies) (6
7	U.S.C. 665d) as section 2218;
8	(5) by redesignating the third section 2215 (re-
9	lating to the Cybersecurity State Coordinator) (6
10	U.S.C. 665c) as section 2217;
11	(6) by redesignating the second section 2215
12	(relating to the Joint Cyber Planning Office) (6
13	U.S.C. 665b) as section 2216; and
13 14	U.S.C. 665b) as section 2216; and (7) by adding at the end the following:
14	(7) by adding at the end the following:
14 15	(7) by adding at the end the following: "SEC. 2220A. NATIONAL CYBER RESILIENCE ASSISTANCE
14 15 16	(7) by adding at the end the following: "SEC. 2220A. NATIONAL CYBER RESILIENCE ASSISTANCE FUND.
14 15 16 17	(7) by adding at the end the following: "SEC. 2220A. NATIONAL CYBER RESILIENCE ASSISTANCE FUND. "(a) DEFINITIONS.—In this section:
14 15 16 17 18	(7) by adding at the end the following: "SEC. 2220A. NATIONAL CYBER RESILIENCE ASSISTANCE FUND. "(a) DEFINITIONS.—In this section: "(1) CYBERSECURITY RISK.—The term 'cyber-
14 15 16 17 18	(7) by adding at the end the following: "SEC. 2220A. NATIONAL CYBER RESILIENCE ASSISTANCE FUND. "(a) DEFINITIONS.—In this section: "(1) CYBERSECURITY RISK.—The term 'cybersecurity risk' has the meaning given that term in
14 15 16 17 18 19 20	(7) by adding at the end the following: "SEC. 2220A. NATIONAL CYBER RESILIENCE ASSISTANCE FUND. "(a) DEFINITIONS.—In this section: "(1) CYBERSECURITY RISK.—The term 'eybersecurity risk' has the meaning given that term in section 2209.
14 15 16 17 18 19 20 21	(7) by adding at the end the following: "SEC. 2220A. NATIONAL CYBER RESILIENCE ASSISTANCE FUND. "(a) DEFINITIONS.—In this section: "(1) CYBERSECURITY RISK.—The term 'cybersecurity risk' has the meaning given that term in section 2209. "(2) ELIGIBLE ENTITY.—The term 'cligible en

1	"(3) Fund.—The term 'Fund' means the Na-
2	tional Cyber Resilience Assistance Fund established
3	under subsection (e).
4	"(4) NATIONAL CRITICAL FUNCTIONS.—The
5	term 'national critical functions' means the functions
6	of government and the private sector so vital to the
7	United States that their disruption, corruption, or
8	dysfunction would have a debilitating effect on secu-
9	rity, national economic security, national public
10	health or safety, or any combination thereof.
11	"(b) Creation of a Critical Infrastructure
12	RESILIENCE STRATEGY AND A NATIONAL RISK MANAGE-
13	MENT CYCLE.
14	"(1) Initial risk identification and as-
15	SESSMENT.
16	"(A) In General.—The Secretary, acting
17	through the Director, shall establish a process
18	by which to identify, assess, and prioritize risks
19	to critical infrastructure, considering both cyber
20	and physical threats, vulnerabilities, and con-
21	sequences.
22	"(B) Consultation.—In establishing the
23	process required under subparagraph (A), the
24	Secretary shall consult with Sector Risk Man-
25	agement Agencies, critical infrastructure owners

1	and operators, and the National Cyber Direc-
2	tor.
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
7	under subparagraph (A).
8	"(D) REPORT.—Not later than 1 year
9	after the date of enactment of this section, the
10	Secretary shall submit to the President, the
11	Committee on Homeland Security and Govern-
12	mental Affairs of the Senate, and the Com-
13	mittee on Homeland Security of the House of
14	Representatives a report on the risks identified
15	by the process established under subparagraph
16	(A).
17	"(2) Initial National Critical Infrastruc-
18	TURE RESILIENCE STRATEGY.—
19	"(A) In GENERAL.—Not later than 1 year
20	after the date on which the Secretary delivers
21	the report required under paragraph (1)(D),
22	the President shall deliver to majority and mi-
23	nority leaders of the Senate, the Speaker and
24	minority leader of the House of Representa-
25	tives, the Committee on Homeland Security and

1	Governmental Affairs of the Senate, and the
2	Committee on Homeland Security of the House
3	of Representatives a national critical infrastruc-
4	ture resilience strategy designed to address the
5	risks identified by the Secretary.
6	"(B) Elements.—In the strategy deliv-
7	ered under subparagraph (A), the President
8	shall—
9	"(i) identify, assess, and prioritize
10	areas of risk to critical infrastructure that
11	would compromise, disrupt, or impede the
12	ability of the critical infrastructure to sup-
13	port the national critical functions of na-
14	tional security, economic security, or public
15	health and safety;
16	"(ii) identify and outline current and
17	proposed national-level actions, programs,
18	and efforts to be taken to address the risks
19	identified;
20	"(iii) identify the Federal departments
21	or agencies responsible for leading each na-
22	tional-level action, program, or effort and
23	the relevant critical infrastructure sectors
24	for each;

1	"(iv) outline the budget plan required
2	to provide sufficient resources to success-
3	fully execute the full range of activities
4	proposed or described by the strategy; and
5	"(v) request any additional authorities
6	or resources necessary to successfully exe-
7	cute the strategy.
8	"(C) Form.—The strategy delivered under
9	subparagraph (A) shall be unclassified, but may
10	contain a classified annex.
11	"(3) Congressional Briefing.—Not later
12	than 1 year after the date on which the President
13	delivers the strategy under subparagraph (A), and
14	every year thereafter, the Secretary, in coordination
15	with Sector Risk Management Agencies, shall brief
16	the appropriate congressional committees on the na-
17	tional risk management eyele activities undertaken
18	pursuant to the strategy.
19	"(4) Five year risk management cycle.—
20	"(A) RISK IDENTIFICATION AND ASSESS-
21	MENT. Under procedures established by the
22	Secretary, the Secretary shall repeat the con-
23	ducting and reporting of the risk identification
24	and assessment required under paragraph (1).

1	in accordance with the requirements in para-
2	graph (1), every 5 years.
3	"(B) STRATEGY.—Under procedures estab-
4	lished by the President, the President shall re-
5	peat the preparation and delivery of the critical
6	infrastructure resilience strategy required under
7	paragraph (2), in accordance with the require-
8	ments in paragraph (2), every 5 years, which
9	shall also include assessing the implementation
10	of the previous national critical infrastructure
11	resilience strategy.
12	"(e) Establishment of the National Cyber Re-
13	SILIENCE ASSISTANCE FUND.—There is established in the
14	Treasury of the United States a fund, to be known as the
15	'National Cyber Resilience Assistance Fund', which shall
16	be available for the cost of risk-based grant programs fo-
17	cused on systematically increasing the resilience of public
18	and private critical infrastructure against cybersecurity
19	risk, thereby increasing the overall resilience of the United
20	States.
21	"(d) Administration of Grants From the Na-
22	TIONAL CYBER RESILIENCE ASSISTANCE FUND.—
23	"(1) In General.—In accordance with this
24	section, the Secretary, acting through the Adminis-
25	trator of the Federal Emergency Management Agen-

1	ey and the Director, shall develop and administer
2	processes to—
3	"(A) establish focused grant programs to
4	address identified areas of eybersecurity risk to,
5	and bolster the resilience of, critical infrastruc-
6	ture;
7	"(B) accept and evaluate applications for
8	each such grant program;
9	"(C) award grants under each such grant
10	program; and
11	"(D) disburse amounts from the Fund.
12	"(2) ESTABLISHMENT OF RISK-FOCUSED
13	GRANT PROGRAMS.—
14	"(A) ESTABLISHMENT.—
15	"(i) In General.—The Secretary,
16	acting through the Director and the Ad-
17	ministrator of the Federal Emergency
18	Management Agency, may establish not
19	less than 1 grant program focused on miti-
20	gating an identified category of cybersecu-
21	rity risk identified under the national risk
22	management eyele and critical infrastruc-
23	ture resilience strategy under subsection
24	(b) in order to bolster the resilience of crit-

1	ical infrastructure within the United
2	States.
3	"(ii) Selection of focus area.—
4	Before selecting a focus area for a grant
5	program pursuant to this subparagraph,
6	the Director shall ensure—
7	"(I) there is a clearly defined cy-
8	bersecurity risk identified through the
9	national risk management cycle and
10	eritical infrastructure resilience strat-
11	egy under subsection (b) to be miti-
12	gated;
13	"(H) market forces do not pro-
14	vide sufficient private-sector incentives
15	to mitigate the risk without Govern-
16	ment investment; and
17	"(III) there is clear Federal
18	need, role, and responsibility to miti-
19	gate the risk in order to bolster the
20	resilience of critical infrastructure.
21	"(B) Funding.—
22	"(i) RECOMMENDATION.—Beginning
23	in the first fiscal year following the estab-
24	lishment of the Fund and each fiscal year
25	thereafter, the Director shall—

1	"(I) assess the funds available in
2	the Fund for the fiscal year; and
3	"(II) recommend to the Secretary
4	the total amount to be made available
5	from the Fund under each grant pro-
6	gram established under this sub-
7	section.
8	"(ii) Allocation.—After considering
9	the recommendations made by the Director
10	under clause (i) for a fiscal year, the Di-
11	rector shall allocate amounts from the
12	Fund to each active grant program estab-
13	lished under this subsection for the fiscal
14	year.
15	"(3) USE OF FUNDS.—Amounts in the Fund
16	shall be used to mitigate risks identified through the
17	national risk management eyele and critical infra-
18	structure resilience strategy under subsection (b).
19	"(4) Eligible entities.—
20	"(A) GUIDELINES AND REQUIREMENTS.—
21	"(i) In GENERAL.—In accordance
22	with clause (ii), the Secretary shall submit
23	to the Committee on Homeland Security
24	and Governmental Affairs and the Com-
25	mittee on Appropriations of the Senate

1	and the Committee on Homeland Security
2	and the Committee on Appropriations of
3	the House of Representatives a set of
4	guidelines and requirements for deter-
5	mining the entities that are eligible enti-
6	ties.
7	"(ii) DEADLINES.—The Secretary
8	shall submit the guidelines and require-
9	ments under clause (i)—
10	"(I) not later than 180 days
11	after the date of enactment of this
12	section, and every 2 years thereafter;
13	and
14	"(II) not later than 30 days be-
15	fore the date on which the Secretary
16	implements the guidelines and re-
17	quirements.
18	"(B) Considerations.—In developing
19	guidelines and requirements for eligible entities
20	under subparagraph (A), the Secretary shall
21	consider
22	"(i) number of employees;
23	"(ii) annual revenue;
24	"(iii) existing entity eybersecurity
25	spending;

1	"(iv) current cyber risk assessments,
2	including credible threats, vulnerabilities,
3	and consequences; and
4	"(v) entity capacity to invest in miti-
5	gating eybersecurity risk absent assistance
6	from the Federal Government.
7	"(5) Limitation.—For any fiscal year, an eli-
8	gible entity may not receive more than 1 grant from
9	each grant program established under this sub-
10	section.
11	"(6) Grant Processes.—The Secretary, act-
12	ing through the Administrator of the Federal Emer-
13	gency Management Agency, shall require the sub-
14	mission of such information as the Secretary deter-
15	mines is necessary to—
16	"(A) evaluate a grant application against
17	the criteria established under this section;
18	"(B) disburse grant funds;
19	"(C) provide oversight of disbursed grant
20	funds; and
21	"(D) evaluate the effectiveness of the fund-
22	ed project in increasing the overall resilience of
23	the United States with respect to eybersecurity
24	risks.

1	"(7) Grant Criteria. For each grant pro-
2	gram established under this subsection, the Director,
3	in coordination with the Administrator of the Fed-
4	eral Emergency Management Agency, shall develop
5	and publish criteria for evaluating applications for
6	funding, which shall include—
7	"(A) whether the application identifies a
8	elearly defined eybersecurity risk;
9	"(B) whether the eybersecurity risk identi-
10	fied in the grant application poses a substantial
11	threat to critical infrastructure;
12	"(C) whether the application identifies a
13	program or project clearly designed to mitigate
14	a cybersecurity risk;
15	"(D) the potential consequences of leaving
16	the identified eybersecurity risk unmitigated, in-
17	eluding the potential impact to the critical func-
18	tions and overall resilience of the nation; and
19	"(E) other appropriate factors identified
20	by the Director.
21	"(8) Evaluation of grants applications.—
22	"(A) In General.—Utilizing the criteria
23	established under paragraph (7), the Director,
24	in coordination with the Administrator of the
25	Federal Emergency Management Agency, shall

1	evaluate grant applications made under each
2	grant program established under this sub-
3	section.
4	"(B) RECOMMENDATION.—Following the
5	evaluations required under subparagraph (A)
6	the Director shall recommend to the Secretary
7	applications for approval, including the amount
8	of funding recommended for each such ap-
9	proval.
10	"(9) AWARD OF GRANT FUNDING.—The Sec-
11	retary shall—
12	"(A) review the recommendations of the
13	Director prepared pursuant to paragraph (8)
14	and
15	"(B) provide a final determination of grant
16	awards to the Administrator of the Federal
17	Emergency Management Agency to be dis-
18	bursed and administered under the process es-
19	tablished under paragraph (6).
20	"(e) Evaluation of Grant Programs Utilizing
21	THE NATIONAL CYBER RESILIENCE ASSISTANCE
22	Fund.—
23	"(1) EVALUATION.—The Secretary shall estab-
24	lish a process to evaluate the effectiveness and effi-
25	ciency of grants distributed under this section and

develop appropriate updates, as needed, to the grant programs.

days after the conclusion of the first fiscal year in which grants are awarded under this section, and every fiscal year thereafter, the Secretary shall submit to the Committee on Homeland Security and Governmental Affairs and the Committee on Appropriations of the Senate and the Committee on Homeland Security and the Committee on Appropriations of the House of Representatives a report detailing the grants awarded from the Fund, the status of projects undertaken with the grant funds, any planned changes to the disbursement methodology of the Fund, measurements of success, and total outlays from the Fund.

"(3) Grant Program Review.—

"(A) Annual assessment.—Before the start of the second fiscal year in which grants are awarded under this section, and every fiscal year thereafter, the Director shall assess the grant programs established under this section and determine—

24 "(i) for the coming fiscal year—

1	"(I) whether new grant programs
2	with additional focus areas should be
3	created;
4	"(II) whether any existing grant
5	program should be discontinued; and
6	"(III) whether the scope of any
7	existing grant program should be
8	modified; and
9	"(ii) the success of the grant pro-
10	grams in the prior fiscal year.
11	"(B) Submission to congress.—Not
12	later than 90 days before the start of the sec-
13	ond fiscal year in which grants are awarded
14	under this section, and every fiscal year there-
15	after, the Secretary shall submit to the Com-
16	mittee on Homeland Security and Govern-
17	mental Affairs and the Committee on Appro-
18	priations of the Senate and the Committee on
19	Homeland Security and the Committee on Ap-
20	propriations of the House of Representatives
21	the assessment conducted pursuant to subpara-
22	graph (A) and any planned alterations to the
23	grant program for the coming fiscal year.
24	"(f) Limitation on Use of Grant Funds.—Funds
25	awarded pursuant to this section—

1	"(1) shall supplement and not supplant State
2	or local funds or, as applicable, funds supplied by
3	the Bureau of Indian Affairs; and
4	"(2) may not be used—
5	"(A) to provide any Federal cost-sharing
6	contribution on behalf of a State or local gov-
7	ernment;
8	"(B) to pay a ransom;
9	"(C) by or for a non-United States entity;
10	Ol'
11	"(D) for any recreational or social purpose.
12	"(g) AUTHORIZATION OF APPROPRIATIONS.—There
13	are authorized to be appropriated to carry out this section
14	\$75,000,000 for each of fiscal years 2022 through 2026.
15	"(h) Transfers Authorized.—During a fiscal
16	year, the Secretary or the head of any component of the
17	Department that administers the State and Local Cyber-
18	security Grant Program may transfer not more than 5
19	percent of the amounts appropriated pursuant to sub-
20	section (g) or other amounts appropriated to earry out the
21	National Cyber Resilience Assistance Fund for that fiscal
22	year to an account of the Department for salaries, ex-
23	penses, and other administrative costs incurred for the
24	management, administration, or evaluation of this sec-
25	tion.".

1	(c) Technical and Conforming Amendments.—
2	(1) Table of contents.—The table of con-
3	tents in section 1(b) of the Homeland Security Act
4	of 2002 (Public Law 107–296; 116 Stat. 2135) is
5	amended by striking the item relating to section
6	2214 and all that follows through the item relating
7	to section 2217 and inserting the following:
	"Sec. 2214. National Asset Database. "Sec. 2215. Duties and authorities relating to .gov internet domain. "Sec. 2216. Joint Cyber Planning Office. "Sec. 2217. Cybersecurity State Coordinator. "Sec. 2218. Sector Risk Management Agencies. "Sec. 2219. Cybersecurity Advisory Committee. "Sec. 2220. Cybersecurity education and training programs. "Sec. 2220A. National Cyber Resilience Assistance Fund.".
8	(2) Additional Technical Amendment.—
0	
9	(A) Amendment.—Section $904(b)(1)$ of
10	(A) AMENDMENT.—Section 904(b)(1) of the DOTGOV Act of 2020 (title IX of division
10	the DOTGOV Act of 2020 (title IX of division
10 11	the DOTGOV Act of 2020 (title IX of division U of Public Law 116–260) is amended, in the
10 11 12	the DOTGOV Act of 2020 (title IX of division U of Public Law 116–260) is amended, in the matter preceding subparagraph (A), by striking
10 11 12 13	the DOTGOV Act of 2020 (title IX of division U of Public Law 116–260) is amended, in the matter preceding subparagraph (A), by striking "Homeland Security Act" and inserting
10 11 12 13 14	the DOTGOV Act of 2020 (title IX of division U of Public Law 116–260) is amended, in the matter preceding subparagraph (A), by striking "Homeland Security Act" and inserting "Homeland Security Act of 2002".
10 11 12 13 14 15	the DOTGOV Act of 2020 (title IX of division U of Public Law 116–260) is amended, in the matter preceding subparagraph (A), by striking "Homeland Security Act" and inserting "Homeland Security Act of 2002". (B) EFFECTIVE DATE.—The amendment

1	TITLE II—IMPROVING THE ABIL-
2	ITY OF THE FEDERAL GOV-
3	ERNMENT TO ASSIST IN EN-
4	HANCING CRITICAL INFRA-
5	STRUCTURE CYBER RESIL-
6	IENCE
7	SEC. 201. INSTITUTE A 5-YEAR TERM FOR THE CYBERSECU-
8	RITY AND INFRASTRUCTURE SECURITY DI-
9	RECTOR.
10	(a) In General.—Subsection (b)(1) of section 2202
11	of the Homeland Security Act of 2002 (6 U.S.C. 652),
12	is amended by inserting "The Director shall be appointed
13	for a term of 5 years." after "who shall report to the Sec-
14	retary.".
15	(b) Transition Rules.—The amendment made by
16	subsection (a) shall take effect on the earlier of—
17	(1) the first appointment of an individual to the
18	position of Director of the Cybersecurity and Infra-
19	structure Protection Agency of the Department of
20	Homeland Security, by and with the advice and con-
21	sent of the Senate, that is made on or after the date
22	of enactment of this Act; or
23	(2) January 1, 2022.

1	SEC. 202. CREATE A JOINT COLLABORATIVE ENVIRON-
2	MENT.
3	(a) In General.—The Director of the Cybersecurity
4	and Infrastructure Security Agency shall establish a joint,
5	eloud-based, information sharing environment to—
6	(1) integrate the Federal Government's unclas-
7	sified and classified cyber threat information,
8	malware forensics, and data related to eybersecurity
9	risks (as defined in section 2209 of the Homeland
10	Security Act of 2002 (6 U.S.C. 659)) that is derived
11	from network sensor programs;
12	(2) enable cross-correlation of threat data at
13	the speed and scale necessary for rapid detection
14	and identification;
15	(3) enable query and analysis by appropriate
16	operators across the Federal Government;
17	(4) facilitate a whole-of-Government, com-
18	prehensive understanding of the eyber threats to the
19	resilience of the Federal Government and national
20	eritical infrastructure networks;
21	(5) enable and support the private-public eyber-
22	security collaboration efforts of the Federal Govern-
23	ment, whose successes will be directly dependent on
24	the accuracy, comprehensiveness, and timeliness of
25	threat information collected and held by the Federal
26	Government; and

1	(6) enable data curation for artificial intel-
2	ligence models and provide an environment to enable
3	the Federal Government to curate data and build
4	applications.
5	(b) DEVELOPMENT.—
6	(1) Initial evaluation.—Not later than 180
7	days after the date of enactment of this Act, the Di-
8	rector of the Cybersecurity and Infrastructure Secu-
9	rity Agency, in coordination with the Director
10	shall—
11	(A) identify all Federal sources of classi-
12	fied and unclassified eyber threat information;
13	(B) evaluate all programs, applications, or
14	platforms of the Federal Government that are
15	intended to detect, identify, analyze, or monitor
16	eyber threats against the resiliency of the Fed-
17	eral Government or critical infrastructure; and
18	(C) submit a recommendation to the Presi-
19	dent identifying Federal programs to be des-
20	ignated and required to participate in the Infor-
21	mation Sharing Environment, including—
22	(i) Government network-monitoring
23	and intrusion detection programs;
24	(ii) eyber threat indicator-sharing pro-
25	grams and Government-sponsored network

1	sensors or network-monitoring programs
2	for the private sector or for State, local,
3	tribal, and territorial governments;
4	(iii) incident response and cybersecu-
5	rity technical assistance programs; and
6	(iv) malware forensies and reverse-en-
7	gineering programs.
8	(2) Designation of Participating Pro-
9	GRAMS.—Not later than 60 days after completion of
10	the evaluation required under paragraph (1), the
11	President shall issue a determination designating the
12	departments, agencies, Federal programs, and cor-
13	responding systems and assets that are required to
14	be a part of the Information Sharing Environment.
15	(3) Design.—Not later than 1 year after com-
16	pletion of the evaluation required under paragraph
17	(1), the Director of the Cybersecurity and Infra-
18	structure Security Agency, in consultation with the
19	Director, shall design the structure of a common
20	platform for sharing and fusing existing Government
21	information, insights, and data related to eyber
22	threats and threat actors, which, at a minimum,
23	shall—
24	(A) account for appropriate data standards
25	and interoperability requirements;

1	(B) enable integration of existing applica-
2	tions, platforms, data, and information, to in-
3	elude elassified information;
4	(C) ensure access by such Federal depart-
5	ments and agencies as the Director of the Cy-
6	bersecurity and Infrastructure Security Agency
7	determines necessary;
8	(D) account for potential private sector
9	participation and partnerships;
10	(E) enable unclassified data to be inte-
11	grated with classified data;
12	(F) anticipate the deployment of analytic
13	tools across classification levels to leverage all
14	relevant data sets, as appropriate;
15	(G) identify tools and analytical software
16	that can be applied and shared to manipulate,
17	transform, and display data and other identified
18	needs;
19	(H) anticipate the integration of new tech-
20	nologies and data streams, including data re-
21	lated to eybersecurity risks derived from Gov-
22	ernment-sponsored voluntary network sensors
23	or network-monitoring programs for the private
24	sector or for State, local, Tribal, and territorial
25	governments; and

- 1 (I) appropriately account for departments,
 2 agencies, programs, and systems and assets de3 termined to be required to participate by the
 4 President under paragraph (2) in the Informa5 tion Sharing Environment.
- 6 (c) OPERATION.—The Information Sharing Environ7 ment shall be managed by the Director of the Cybersecu8 rity and Infrastructure Security Agency.
- 9 (d) Post-Deployment Assessment.—Not later
 10 than 1 year after the date on which the Information Shar11 ing Environment is established, the Director of the Cyber12 security and Infrastructure Security Agency and the Di13 rector shall assess the means by which the Information
 14 Sharing Environment may be expanded to include the pri15 vate sector and critical infrastructure information sharing
 16 organizations and, to the maximum extent practicable,
 17 begin the process of such expansion.
- (e) Private Sector Sharing Information Sharing
 19 Ing Protections.—To the extent any private entity
 20 shares eyber threat indicators and defensive measures
 21 through or with the Information Sharing Environment
 22 and in a manner that is consistent with all requirements
 23 under section 1752 of the William M. (Mac) Thornberry
 24 National Defense Authorization Act for Fiscal Year 2021
 25 (6 U.S.C. 1500), the Cybersecurity Information Sharing

- 1 Act of 2015 (6 U.S.C. 1501 et seq.), and any applicable
- 2 guidelines promulgated under subsection (f), such activi-
- 3 ties shall be considered to be authorized by and in accord-
- 4 ance with section 1752 of the William M. (Mac) Thorn-
- 5 berry National Defense Authorization Act for Fiscal Year
- 6 2021 and the Cybersecurity Information Sharing Act of
- 7 2015.

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(f) Privacy and Civil Liberties.—

(1) Guidelines of attorney general.—Not later than 60 days after the date of enactment of this Act, the Secretary of Homeland Security (acting through the Director of the Cybersecurity and Infrastructure Security Agency) and the Attorney General, shall jointly, and in coordination with heads of the appropriate Federal entities and in consultation with officers designated under section 1062 of the National Security Intelligence Reform Act of 2004 (42 U.S.C. 2000ee-1), develop, submit to Congress, and make available to the public interim guidelines relating to privacy and civil liberties which shall govern the receipt, retention, use, and dissemination of eyber threat indicators by a Federal entity obtained in connection with activities authorized in this section.

(2) Final guidelines.—

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(A) In GENERAL.—Not later than 180 days after the date of enactment of this Act, the Secretary of Homeland Security (acting through the Director of the Cybersecurity and Infrastructure Security Agency) and the Attorney General, shall jointly, in coordination with heads of the appropriate Federal entities and in consultation with officers designated under section 1062 of the National Security Intelligence Reform Act of 2004 (42 U.S.C. 2000ee-1) and such private entities with industry expertise as the Secretary and the Attorney General consider relevant, promulgate final guidelines relating to privacy and civil liberties which shall govern the receipt, retention, use, and dissemination of eyber threat indicators by a Federal entity obtained in connection with activities authorized in this section.

(B) PERIODIC REVIEW.—The Secretary of Homeland Security (acting through the Director of the Cybersecurity and Infrastructure Security Agency) and the Attorney General, shall jointly, in coordination with heads of the appropriate Federal entities and in consultation with officers and private entities described in sub-

1	paragraph (A), periodically, but not less fre-
2	quently than once every 2 years, review the
3	guidelines promulgated under subparagraph
4	(A).
5	(3) Content.—The guidelines required by
6	paragraphs (1) and (2) shall, consistent with the
7	need to bolster the resilience of information systems
8	and mitigate cybersecurity threats—
9	(A) limit the effect on privacy and civil lib-
10	erties of activities by the Federal Government
11	under this section;
12	(B) limit the receipt, retention, use, and
13	dissemination of eyber threat indicators con-
14	taining personal information or information
15	that identifies specific persons, including by es-
16	tablishing—
17	(i) a process for the timely destruction
18	of such information that is known not to
19	be directly related to uses authorized under
20	this section; and
21	(ii) specific limitations on the length
22	of any period in which a cyber threat indi-
23	cator may be retained;
24	(C) include requirements to safeguard
25	evber threat indicators containing personal in-

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1	formation or information that identifies specific
2	persons from unauthorized access or acquisi-
3	tion, including appropriate sanctions for activi-
4	ties by officers, employees, or agents of the
5	Federal Government in contravention of such
6	guidelines;
7	(D) include procedures for notifying enti-
8	ties and Federal entities if information received
9	pursuant to this subsection is known or deter-
10	mined by a Federal entity receiving such infor-
11	mation not to constitute a cyber threat indi-
12	cator;
13	(E) protect the confidentiality of cyber
14	threat indicators containing personal informa-
15	tion or information that identifies specific per-
16	sons to the greatest extent practicable and re-
17	quire recipients to be informed that such indica-
18	tors may only be used for purposes authorized

(F) include steps that may be needed so that dissemination of eyber threat indicators is consistent with the protection of classified and other sensitive national security information.

(g) Oversight of Government Activities.—

under this section; and

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1	(1) BIENNIAL REPORT ON PRIVACY AND CIVIL
2	LIBERTIES.—Not later than 2 years after the date
3	of enactment of this Act, and not less frequently
4	than once every year thereafter, the Privacy and
5	Civil Liberties Oversight Board shall submit to Con-
6	gress and the President a report providing—
7	(A) an assessment of the effect on privacy
8	and civil liberties by the type of activities ear-
9	ried out under this section; and
10	(B) an assessment of the sufficiency of the
11	guidelines established pursuant to subsection (f)
12	in addressing concerns relating to privacy and
13	civil liberties.
14	(2) Biennial report by inspectors gen-
15	ERAL.—
16	(A) In GENERAL.—Not later than 2 years
17	after the date of enactment of this Act, and not
18	less frequently than once every 2 years there-
19	after, the Inspector General of the Department
20	of Homeland Security, the Inspector General of
21	the Intelligence Community, the Inspector Gen-
22	eral of the Department of Justice, the Inspector
23	General of the Department of Defense, and the
24	Inspector General of the Department of Energy

shall, in consultation with the Council of In-

1	spectors General on Integrity and Efficiency,
2	jointly submit to Congress a report on the re-
3	ceipt, use, and dissemination of eyber threat in-
4	dicators and defensive measures that have been
5	shared with Federal entities under this section.
6	(B) Contents.—Each report submitted
7	under subparagraph (A) shall include the fol-
8	lowing:
9	(i) A review of the types of eyber
10	threat indicators shared with Federal enti-
11	ties.
12	(ii) A review of the actions taken by
13	Federal entities as a result of the receipt
14	of such eyber threat indicators.
15	(iii) A list of Federal entities receiving
16	such eyber threat indicators.
17	(iv) A review of the sharing of such
18	eyber threat indicators among Federal en-
19	tities to identify inappropriate barriers to
20	sharing information.
21	(3) Recommendations. Each report sub-
22	mitted under this subsection may include such rec-
23	ommendations as the Privacy and Civil Liberties
24	Oversight Board, with respect to a report submitted
25	under paragraph (1), or the Inspectors General re-

1	ferred to in paragraph (2)(A), with respect to a re
2	port submitted under paragraph (2), may have for
3	improvements or modifications to the authorities
4	under this section.
5	(4) FORM.—Each report required under this
6	subsection shall be submitted in unclassified form
7	but may include a classified annex.
8	(h) AUTHORIZATION OF APPROPRIATIONS.—There
9	are authorized to be appropriated to carry out this section
10	\$100,000,000 for each of fiscal years 2022 through 2026
11	(i) DEFINITIONS.—In this section:
12	(1) Critical infrastructure.—The term
13	"critical infrastructure" has the meaning given that
14	term in section 1016(e) of the Critical Infrastrue
15	ture Protection Act of 2001 (42 U.S.C. 5195c(e))
16	(2) DIRECTOR.—The term "Director" means
17	the National Cyber Director.
18	(3) Information sharing environment.
19	The term "Information Sharing Environment"
20	means the information sharing environment estab

lished under subsection (a).

1	SEC. 203. DESIGNATE THREE CRITICAL TECHNOLOGY SE-
2	CURITY CENTERS.
3	(a) In General.—Section 307(b)(3) of the Home-
4	land Security Act of 2002 (6 U.S.C. 187(b)(3)), is amend-
5	ed
6	(1) in the matter preceding subparagraph (A),
7	by inserting "national laboratories," before "and
8	universities";
9	(2) in subparagraph (C), by striking "and" at
10	the end;
11	(3) in subparagraph (D), by striking the period
12	at the end and inserting "; and"; and
13	(4) by adding at the end the following:
14	"(E) establish not less than 1, and not
15	more than 3, eybersecurity-focused critical tech-
16	nology security centers, in order to bolster the
17	overall resilience of the networks and critical in-
18	frastructure of the United States, to perform—
19	"(i) network technology security test-
20	ing, to test the security of eyber-related
21	hardware and software;
22	"(ii) connected industrial control sys-
23	tem security testing, to test the security of
24	connected programmable data logic con-
25	trollers supervisory control and data ac-

1	quisition servers, and other eyber con-
2	nected industrial equipment; and
3	"(iii) open source software security
4	testing, to test and coordinate efforts to fix
5	vulnerabilities in open-source software.".
6	(b) Authorization of Appropriations.—There
7	are authorized to be appropriated to carry out the amend-
8	ments made by this section \$15,000,000 for each of fiscal
9	years 2022 through 2026.
10	TITLE III—IMPROVING SECU-
11	RITY IN THE NATIONAL
	CYDED ECOCYCHEM
12	CYBER ECOSYSTEM
12 13	SEC. 301. ESTABLISH A NATIONAL CYBERSECURITY CER
13	SEC. 301. ESTABLISH A NATIONAL CYBERSECURITY CER
13 14	SEC. 301. ESTABLISH A NATIONAL CYBERSECURITY CERTIFICATION AND LABELING AUTHORITY.
13 14 15 16	SEC. 301. ESTABLISH A NATIONAL CYBERSECURITY CERTIFICATION AND LABELING AUTHORITY. (a) DEFINITIONS.—In this section:
13 14 15 16	SEC. 301. ESTABLISH A NATIONAL CYBERSECURITY CERTIFICATION AND LABELING AUTHORITY. (a) DEFINITIONS.—In this section: (1) ACCREDITED CERTIFYING AGENT.—The
113 114 115 116 117	SEC. 301. ESTABLISH A NATIONAL CYBERSECURITY CERTIFICATION AND LABELING AUTHORITY. (a) DEFINITIONS.—In this section: (1) ACCREDITED CERTIFYING AGENT.—The term "accredited certifying agent" means any person
113 114 115 116 117 118 119	SEC. 301. ESTABLISH A NATIONAL CYBERSECURITY CERTIFICATION AND LABELING AUTHORITY. (a) DEFINITIONS.—In this section: (1) Accredited certifying agent" means any person who is accredited by the Authority as a certifying
13 14 15	SEC. 301. ESTABLISH A NATIONAL CYBERSECURITY CERTIFICATION AND LABELING AUTHORITY. (a) DEFINITIONS.—In this section: (1) ACCREDITED CERTIFYING AGENT.—The term "accredited certifying agent" means any person who is accredited by the Authority as a certifying agent for the purposes of certifying a specific class
13 14 15 16 17 18 19 20	SEC. 301. ESTABLISH A NATIONAL CYBERSECURITY CERTIFICATION AND LABELING AUTHORITY. (a) DEFINITIONS.—In this section: (1) ACCREDITED CERTIFYING AGENT.—The term "accredited certifying agent" means any person who is accredited by the Authority as a certifying agent for the purposes of certifying a specific class of critical information and communications technical.
13 14 15 16 17 18 19 20 21	SEC. 301. ESTABLISH A NATIONAL CYBERSECURITY CERTIFICATION AND LABELING AUTHORITY. (a) DEFINITIONS.—In this section: (1) Accredited certifying agent" means any person who is accredited by the Authority as a certifying agent for the purposes of certifying a specific class of critical information and communications technology.

- (3) CERTIFICATION.—The term "certification" means a seal or symbol provided by the Authority or an accredited certifying agent, that results from passage of a comprehensive evaluation of an information and communications technology that establishes the extent to which a particular design and implementation meets a set of specified security standards.
 - (4) CRITICAL INFORMATION AND COMMUNICATIONS TECHNOLOGY.—The term "critical information and communications technology" means information and communications technology that is in use in critical infrastructure sectors and that underpins the resilience of national critical functions, as determined by the Secretary.
 - (5) CRITICAL INFRASTRUCTURE.—The term "critical infrastructure" has the meaning given that term in section 1016(e) of the Critical Infrastructure Protection Act of 2001 (42 U.S.C. 5195c(e)).
 - (6) Label.—The term "label" means a clear, visual, and easy to understand symbol or list that conveys specific information about a product's security attributes, characteristics, functionality, components, or other features.

1	(7) Program.—The term "Program" means
2	the program administered under subsection (b)(1).
3	(8) Secretary.—The term "Secretary" means
4	the Secretary of Homeland Security.
5	(b) National Cybersecurity Certification and
6	Labeling Authority.—
7	(1) Establishment.—There is established a
8	National Cybersecurity Certification and Labeling
9	Authority for the purpose of establishing and admin-
10	istering a voluntary national cybersecurity certifi-
11	cation and labeling program for critical information
12	and communications technology in order to bolster
13	the resilience of the networks and critical infrastruc-
14	ture of the United States.
15	(2) Programs.—
16	(A) Accreditation of certifying
17	AGENTS.—As part of the Program, the Author-
18	ity shall define and publish a process whereby
19	governmental and nongovernmental entities
20	may apply to become accredited certifying
21	agents for the certification of specific critical in-
22	formation and communications technology, in-
23	cluding
24	(i) smartphones;
25	(ii) tablets;

1	(iii) laptop computers;
2	(iv) operating systems;
3	(v) routers;
4	(vi) software-as-a-service;
5	(vii) infrastructure-as-a-service;
6	(viii) platform-as-a-service;
7	(ix) programmable logic controllers;
8	(x) intelligent electronic devices; and
9	(xi) programmable automation con-
10	trollers.
11	(B) IDENTIFICATION OF STANDARDS,
12	FRAMEWORKS, AND BENCHMARKS.—As part of
13	the Program, the Authority shall work in co-
14	ordination with accredited certifying agents, the
15	Secretary, and subject matter experts from the
16	Federal Government, academia, nongovern-
17	mental organizations, and the private sector to
18	identify and harmonize common security stand-
19	ards, frameworks, and benchmarks against
20	which the security of critical information and
21	communications technologies may be measured.
22	(C) PRODUCT CERTIFICATION.—As part of
23	the Program, the Authority, in consultation
24	with the Secretary and other experts from the
25	Federal Government, academia, nongovern-

1	mental organizations, and the private sector,
2	shall—
3	(i) develop, and disseminate to accred-
4	ited certifying agents, guidelines to stand-
5	ardize the presentation of certifications to
6	communicate the level of security for crit-
7	ical information and communications tech-
8	nologies;
9	(ii) develop, or permit accredited certi-
10	fying agents to develop, certification cri-
11	teria for critical information and commu-
12	nications technologies based on identified
13	security standards, frameworks, and
14	benchmarks, through the work conducted
15	under subparagraph (B);
16	(iii) issue, or permit accredited certi-
17	fying agents to issue, certifications for crit-
18	ical information and communications tech-
19	nology that meet and comply with security
20	standards, frameworks, and benchmarks
21	identified through the work conducted
22	under subparagraph (B);
23	(iv) permit a manufacturer or dis-
24	tributor of critical information and commu-
25	nications technology to display a certificate

1 reflecting the extent to which the critical
2 information and communications tech
3 nology meets security standards, frame
4 works, and benchmarks identified through
5 the work conducted under subparagrap
6 (B);
7 (v) remove the certification of a crit
8 ical information and communications tech
9 nology as a critical information and con-
10 munications technology certified under th
Program if the manufacturer of the eer
12 tified critical information and communication
tions technology falls out of conformit
14 with the benchmarks security standards
15 frameworks, or benchmarks identifie
16 through the work conducted under suk
17 paragraph (B) for the critical informatio
18 and communications technology;
19 (vi) work to enhance public awareness
of the certification and labeling efforts of
21 the Authority and accredited certifyin
22 agents, including through public outreach
23 <u>education, research and development, an</u>

other means; and

1	(vii) publicly display a list of labels
2	and certified critical information and com-
3	munications technology, along with their
4	respective certification information.
5	(D) CERTIFICATIONS.—
6	(i) In General.—A certification shall
7	remain valid for 1 year from the date of
8	issuance.
9	(ii) Classes of certification.—In
10	developing the guidelines and criteria re-
11	quired under subparagraph (C)(i), the Au-
12	thority shall designate at least 3 classes of
13	certifications, including the following:
14	(I) For critical information and
15	communications technology which the
16	product manufacturer or service pro-
17	vider attests meets the criteria for a
18	certification, attestation-based certifi-
19	cation.
20	(II) For critical information and
21	communications technology products
22	and services that have undergone
23	third-party accreditation of criteria
24	for certification, accreditation-based
25	certification.

1	(III) For critical information and
2	communications technology that has
3	undergone a security evaluation and
4	testing process by a qualifying third
5	party, as determined by the Authority,
6	test-based certification.
7	(E) PRODUCT LABELING.—The Authority
8	in consultation with the Secretary and other ex-
9	perts from the Federal Government, academia
10	nongovernmental organizations, and the private
11	sector, shall—
12	(i) collaborate with the private sector
13	to standardize language and define a label-
14	ing schema to provide transparent infor-
15	mation on the security characteristics and
16	constituent components of a software or
17	hardware product; and
18	(ii) establish a mechanism by which
19	product developers can provide this infor-
20	mation for both product labeling and pub-
21	lie posting.
22	(3) Enforcement.—
23	(A) In General.—It shall be unlawful for
24	a product manufacturer, distributor, or seller
25	to

1	(i) falsely attest to, or falsify an audit
2	or test for, a security standard, framework,
3	or benchmark for certification;
4	(ii) intentionally mislabel a product;
5	Or
6	(iii) fail to maintain the security
7	standard, framework, or benchmark to
8	which the manufacturer, distributor, or
9	seller attested.
10	(B) Enforcement by federal trade
11	COMMISSION.—
12	(i) Unfair or deceptive acts or
13	PRACTICES.—A violation of subparagraph
14	(A) shall be treated as an unfair and de-
15	ceptive act or practice in violation of a reg-
16	ulation under section 18(a)(1)(B) of the
17	Federal Trade Commission Act (15 U.S.C.
18	57a(a)(1)(B)) regarding unfair or decep-
19	tive acts or practices.
20	(ii) Powers of commission.—
21	(I) IN GENERAL.—The Federal
22	Trade Commission shall enforce this
23	paragraph in the same manner, by the
24	same means, and with the same juris-
25	diction, powers, and duties as though

1	all applicable terms and provisions of
2	the Federal Trade Commission Act
3	(15 U.S.C. 41 et seq.) were incor-
4	porated into and made a part of this
5	paragraph.
6	(II) PRIVILEGES AND IMMUNI
7	THES.—Any person who violates this
8	paragraph shall be subject to the pen-
9	alties and entitled to the privileges
10	and immunities provided in the Fed-
11	eral Trade Commission Act (15
12	U.S.C. 41 et seq.).
13	(e) Selection of the Authority.—
14	(1) Selection.—The Secretary shall issue ϵ
15	notice of funding opportunity and select, on a com-
16	petitive basis, a nonprofit, nongovernmental organi-
17	zation to serve as the Authority for a period of 5
18	years.
19	(2) Eligibility for selection.—The Sec-
20	retary may only select an organization to serve as
21	the Authority if such organization—
22	(A) is a nongovernmental, nonprofit orga-
23	nization that is—

1	(i) exempt from taxation under see-
2	tion 501(a) of the Internal Revenue Code
3	of 1986; and
4	(ii) described in sections 501(e)(3)
5	and $170(b)(1)(A)(vi)$ of that Code;
6	(B) has a demonstrable track record of
7	work on cybersecurity and information security
8	standards, frameworks, and benchmarks; and
9	(C) possesses requisite staffing and exper-
10	tise, with demonstrable prior experience in tech-
11	nology security or safety standards, frame-
12	works, and benchmarks, as well as certification.
13	(3) APPLICATION.—The Secretary shall estab-
14	lish a process by which a nonprofit, nongovern-
15	mental organization that seeks to be selected as the
16	Authority may apply for consideration.
17	(4) Program Evaluation.—Not later than
18	the date that is 4 years after the initial selection
19	pursuant paragraph (1), and every 4 years there-
20	after, the Secretary shall—
21	(A) assess the effectiveness of the labels
22	and certificates produced by the Authority, in-
23	cluding
24	(i) assessing the costs to businesses
25	that manufacture critical information and

1	communications technology participating in
2	the Program;
3	(ii) evaluating the level of participa-
4	tion in the Program by businesses that
5	manufacture critical information and com-
6	munications technology; and
7	(iii) assessing the level of public
8	awareness and consumer awareness of the
9	label;
10	(B) audit the impartiality and fairness of
11	the Authority's activities conducted under this
12	section;
13	(C) issue a public report on the assessment
14	most recently carried out under subparagraph
15	(A) and the audit most recently earried out
16	under subparagraph (B); and
17	(D) brief Congress on the findings of the
18	Secretary with respect to the most recent as-
19	sessment under subparagraph (A) and the most
20	recent audit under subparagraph (B).
21	(5) Renewal.—After the initial selection pur-
22	suant to paragraph (1), the Secretary shall, every 5
23	years

1	(A) accept applications from nonprofit,
2	nongovernmental organizations seeking selection
3	as the Authority; and
4	(B) following competitive consideration of
5	all applications—
6	(i) renew the selection of the organiza-
7	tion serving as the Authority; or
8	(ii) select another applicant organiza-
9	tion to serve as the Authority.
10	(d) Authorization of Appropriations.—There
11	are authorized to be appropriated to carry out this section
12	\$25,000,000 for each of fiscal years 2022 through 2026.
13	SEC. 302. ESTABLISH THE BUREAU OF CYBERSECURITY
13 14	SEC. 302. ESTABLISH THE BUREAU OF CYBERSECURITY STATISTICS.
14	STATISTICS.
14 15	STATISTICS. (a) DEFINITIONS.—In this section:
14 15 16 17	statistics. (a) Definitions.—In this section: (1) Bureau.—The term "Bureau" means the
14 15 16	(a) Definitions.—In this section: (1) Bureau.—The term "Bureau" means the Bureau of Cybersecurity Statistics established under
14 15 16 17	(a) Definitions.—In this section: (1) Bureau.—The term "Bureau" means the Bureau of Cybersecurity Statistics established under subsection (b).
14 15 16 17 18	(a) Definitions.—In this section: (1) Bureau.—The term "Bureau" means the Bureau of Cybersecurity Statistics established under subsection (b). (2) Covered entity.—The term "covered entity.
14 15 16 17 18 19	(a) Definitions.—In this section: (1) Bureau.—The term "Bureau" means the Bureau of Cybersecurity Statistics established under subsection (b). (2) Covered entity" means any nongovernmental organization, cortity" means any nongovernmental organization, cor-
14 15 16 17 18 19 20 21	(a) Definitions.—In this section: (1) Bureau.—The term "Bureau" means the Bureau of Cybersecurity Statistics established under subsection (b). (2) Covered entity.—The term "covered entity" means any nongovernmental organization, corporation, trust, partnership, sole proprietorship, un-

1	provides eybersecurity incident response services or
2	eybersecurity insurance products.
3	(3) Cyber incident.—The term eyber incident
4	includes each of the following:
5	(A) Unauthorized access to an information
6	system or network that leads to loss of con-
7	fidentiality, integrity, or availability of that in-
8	formation system or network.
9	(B) Disruption of business operations due
10	to a distributed denial of service attack against
11	an information system or network.
12	(C) Unauthorized access or disruption of
13	business operations due to loss of service facili-
14	tated through, or caused by a cloud service pro-
15	vider, managed service provider, or other data
16	hosting provider.
17	(D) Fraudulent or malicious use of a cloud
18	service account, data hosting account, internet
19	service account, or any other digital service.
20	(4) Director.—The term "Director" means
21	the Director of the Bureau.
22	(5) STATISTICAL PURPOSE.—The term "statis
23	tical purpose"—
24	(A) means the description, estimation, or
25	analysis of the characteristics of grouns with

1	out identifying the individuals or organizations
2	that comprise such groups; and
3	(B) includes the development, implementa-
4	tion, or maintenance of methods, technical or
5	administrative procedures, or information re-
6	sources that support the purposes described in
7	subsection (e).
8	(b) ESTABLISHMENT.—There is established within
9	the Department of Homeland Security a Bureau of Cyber-
10	security Statistics.
11	(e) Director.—
12	(1) In General.—The Bureau shall be headed
13	by a Director, who shall—
14	(A) report to the Secretary of Homeland
15	Security; and
16	(B) be appointed by the President.
17	(2) AUTHORITY.—The Director shall—
18	(A) have final authority for all cooperative
19	agreements and contracts awarded by the Bu-
20	reau;
21	(B) be responsible for the integrity of data
22	and statistics collected or issued by the Bureau;
23	and
24	(C) protect against improper or illegal use
25	or disclosure of information furnished for exclu-

1	sively statistical purposes under this section,
2	consistent with the requirements of subsection
3	(f).
4	(3) QUALIFICATIONS.—The Director—
5	(A) shall have experience in statistical pro-
6	grams; and
7	(B) shall not—
8	(i) engage in any other employment;
9	Ol'
10	(ii) hold any office in, or act in any
11	capacity for, any organization, agency, or
12	institution with which the Bureau makes
13	any contract or other arrangement under
14	this section.
15	(4) Duties and functions.—The Director
16	shall—
17	(A) collect and analyze information con-
18	cerning eybersecurity, including data related to
19	eyber incidents, eyber erime, and any other area
20	the Director determines appropriate;
21	(B) collect and analyze data that will serve
22	as a continuous and comparable national indi-
23	cation of the prevalence, incidents, rates, ex-
24	tent, distribution, and attributes of all relevant
25	eyber incidents, as determined by the Director,

1	in support of national policy and decision mak-
2	ing;
3	(C) compile, collate, analyze, publish, and
4	disseminate uniform national eyber statistics
5	concerning any area that the Director deter-
6	mines appropriate;
7	(D) in coordination with the National In-
8	stitute of Standards and Technology, rec-
9	ommend national standards, metrics, and meas-
10	urement criteria for cyber statistics and for en-
11	suring the reliability and validity of statistics
12	collected pursuant to this subsection;
13	(E) conduct or support research relating to
14	methods of gathering or analyzing eyber statis-
15	ties;
16	(F) enter into cooperative agreements or
17	contracts with public agencies, institutions of
18	higher education, or private organizations for
19	purposes related to this subsection;
20	(G) provide appropriate information to the
21	President, the Congress, Federal agencies, the
22	private sector, and the general public on eyber
23	statistics;
24	(H) maintain liaison with State and local
25	governments concerning eyber statistics;

1	(I) confer and cooperate with Federal sta-
2	tistical agencies as needed to carry out the pur-
3	poses of this section, including by entering into
4	cooperative data sharing agreements in con-
5	formity with all laws and regulations applicable
6	to the disclosure and use of data; and
7	(J) request from any person or entity in-
8	formation, data, and reports as may be required
9	to carry out the purposes of this subsection.
10	(d) Furnishment of Information, Data, or Re-
11	PORTS BY FEDERAL DEPARTMENTS AND AGENCIES.—
12	Federal departments and agencies requested by the Direc-
13	tor to furnish information, data, or reports pursuant to
14	subsection (e)(4)(J) shall provide to the Bureau such in-
15	formation as the Director determines necessary to carry
16	out the purposes of this section.
17	(e) Furnishment of Cyber Incident Informa-
18	TION, DATA, OR REPORTS TO THE BUREAU BY THE PRI-
19	VATE SECTOR.—
20	(1) In General.—Not later than 180 days
21	after the date of enactment of this Act, and every
22	180 days thereafter, each covered entity shall submit
23	to the Bureau a report containing such data and in-
24	formation as the Director determines necessary to
25	earry out the purposes of this section.

1	(2) DETERMINATION OF DATA AND INFORMA-
2	TION NECESSARY TO CARRY OUT THE PURPOSES OF
3	THIS SECTION.—Not later than 90 days after the
4	date of enactment of this Act, and annually there-
5	after, the Director shall publish a list of data and
6	information determined necessary to carry out the
7	purposes of this section, including individual descrip-
8	tions of eyber incidents, which shall include—
9	(A) identification of the affected databases
10	information systems, or devices that were, or
11	are reasonably believed to have been accessed
12	by an unauthorized person;
13	(B) where applicable, a description of the
14	vulnerabilities, tactics, techniques, and proce-
15	dures used;
16	(C) where applicable, any identifying infor-
17	mation related to the malicious actors who per-
18	petrated the incident;
19	(D) where applicable any cybersecurity
20	controls implemented by the victim organiza-
21	tion; and
22	(E) the industrial sectors, regions, and size
23	of affected entities (as determined by number of
24	employees) without providing any information

1	that can reasonably be expected to identify such
2	entities.
3	(3) Standards for submission of informa-
4	TION AND DATA.—Not later than 180 days after the
5	date of enactment of this Act, the Director shall, in
6	consultation with covered entities, develop standard-
7	ized procedures for the submission of data and infor-
8	mation the Director determines necessary to carry
9	out the purposes of this section.
10	(4) Private sector reporting.—Not later
11	than 90 days after the date on which the Director
12	develops the standards required under paragraph
13	(3), the Director shall—
14	(A) publish the processes for submission of
15	information, data, and reports by covered enti-
16	ties; and
17	(B) begin accepting reporting required
18	under paragraph (1).
19	(5) Regulatory USE.—Information disclosed
20	to the Bureau under this section that is not other-
21	wise available, shall not be used by the Federal Gov-
22	ernment or any State, local, tribal, or territorial gov-
23	ernment to sanction or otherwise punish the entity

disclosing the information, or the entity in which the

 $\overline{\text{cyber incident initially occurred.}}$

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- (6) PRESERVATION OF PRIVILEGE.—Disclosure of information pursuant to this section or by a covered entity to the Bureau shall not waive any otherwise applicable privilege, immunity, or protection provided by law.
- (7) PRESERVATION OF EXISTING OBLIGATIONS.—Nothing in this section shall modify, prevent, or abrogate any notice or notification obligations under Federal contracts, enforceable agreements with the government, or other Federal law.

(8) Enforcement.

(A) Unfair or deceptive acts or prac-TICES.—Compliance with the requirements imposed under this subsection by covered entities shall be enforced by the Federal Trade Commission under the Federal Trade Commission Act (15 U.S.C. 41 et seq.). For the purpose of the exercise by the Federal Trade Commission of its functions and powers under the Federal Trade Commission Act, a violation of any requirement or prohibition imposed under this subsection shall be treated as an unfair and deceptive act or practice in violation of a regulation under section 18(a)(1)(B) of the Federal Commission **Trade** Act +15U.S.C.

1	57a(a)(1)(B)) regarding unfair or deceptive
2	acts or practices.
3	(B) Powers of commission.—Subject to
4	subparagraph (C), the Federal Trade Commis-
5	sion shall enforce this subsection in the same
6	manner, by the same means, and with the same
7	jurisdiction, powers, and duties as though al
8	applicable terms and provisions of the Federal
9	Trade Commission Act (15 U.S.C. 41 et seq.)
10	were incorporated into and made a part of this
11	subsection.
12	(C) Additional entities.—
13	(i) In General.—Notwithstanding
14	sections 4, $5(a)(2)$, or 6 of the Federal
15	Trade Commission Act (15 U.S.C. 44
16	45(a)(2), 46) or any jurisdictional limita
17	tion of the Federal Trade Commission, the
18	Federal Trade Commission shall also en-
19	force this subsection, in the same manner
20	provided in subparagraph (A) of this para-
21	graph, with respect to—
22	(I) organizations not organized to
23	earry on business for their own profit
24	or that of their members; and

1	(II) common carriers subject to
2	the Communications Act of 1934 (47
3	U.S.C. 151 et seq.).
4	(ii) Coordination and notice.—
5	The Federal Trade Commission shall—
6	(I) coordinate with the Federal
7	Communications Commission regard-
8	ing enforcement of this subsection
9	with respect to common carriers sub-
10	ject to the Communications Act of
11	1934 (47 U.S.C. 151 et seq.);
12	(II) notify the Bureau of Con-
13	sumer Financial Protection regarding
14	enforcement of this subsection with
15	respect to information associated with
16	the provision of financial products or
17	services by an entity that provides a
18	consumer financial product or service
19	(as defined in section 1002 of the
20	Consumer Financial Protection Act of
21	2010 (12 U.S.C. 5481)); and
22	(III) for enforcement of this sub-
23	section with respect to matters impli-
24	cating the jurisdiction or authorities

1	of another Federal agency, notify that
2	agency as appropriate.
3	(D) PRIVILEGES AND IMMUNITIES.—Any
4	covered entity that violates the requirements
5	imposed under this subsection shall be subject
6	to the penalties and entitled to the privileges
7	and immunities provided in the Federal Trade
8	Commission Act (15 U.S.C. 41 et seq.).
9	(E) Construction.—Nothing in this
10	paragraph shall be construed to limit the au-
11	thority of the Federal Trade Commission under
12	any other provision of law.
13	(f) Protection of Information.—
14	(1) In GENERAL.—No officer or employee of
15	the Federal Government or agent of the Federal
16	Government may, without the consent of the indi-
17	vidual, entity, agency, or other person who is the
18	subject of the submission or provides the submis-
19	sion—
20	(A) use any submission that is furnished
21	for exclusively statistical purposes under this
22	section for any purpose other than the statis-
23	tical purposes for which the submission is fur-
24	nished;

(B) make any publication or media transmittal of the data contained in a submission described in subparagraph (A) that permits information concerning individual entities or individual incidents to be reasonably inferred by either direct or indirect means; or

(C) permit anyone other than a sworn officer, employee, agent, or contractor of the Bureau to examine an individual submission described in subsection (e).

(2) IMMUNITY FROM LEGAL PROCESS.—Any submission (including any data derived from the submission) that is collected and retained by the Bureau, or an officer, employee, agent, or contractor of the Bureau, for exclusively statistical purposes under this section shall be immune from the legal process and shall not, without the consent of the individual, entity, agency, or other person who is the subject of the submission or provides the submission, be admitted as evidence or used for any purpose in any action, suit, or other judicial or administrative proceeding.

(3) Rule of construction.—Nothing in this subsection shall be construed to provide immunity from the legal process for a submission (including

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1	any data derived from the submission) if the submis-
2	sion is in the possession of any person, agency, or
3	entity other than the Bureau or an officers, em-
4	ployee, agent, or contractor of the Bureau, or if the
5	submission is independently collected, retained, or
6	produced for purposes other than the purposes of
7	this section.
8	(g) AUTHORIZATION OF APPROPRIATION.—There are
9	authorized to be appropriated such sums as may be nec-
10	essary to carry out this section. Such funds shall remain
11	available until expended.
12	SEC. 303. SECURE FOUNDATIONAL INTERNET PROTOCOLS.
13	(a) Definitions.—In this section:
14	(1) Border Gateway Protocol.—The term
15	"border gateway protocol" means a protocol de-
16	signed to optimize routing of information exchanged
17	through the internet.
18	(2) Domain Name System.—The term "do-
19	main name system" means a system that stores in-
20	formation associated with domain names in a dis-

- tributed database on networks.
- **INFORMATION** AND **COMMUNICATIONS** TECHNOLOGY INFRASTRUCTURE PROVIDERS.—The term "information and communications technology infrastructure providers" means all systems that en-

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1	able connectivity and operability of internet service,
2	backbone, cloud, web hosting, content delivery, do-
3	main name system, and software-defined networks
4	and other systems and services.
5	(b) Creation of a Strategy To Secure
6	Foundational Internet Protocols.—
7	(1) Protocol security strategy.—In order
8	to secure foundational internet protocols, not later
9	than December 31, 2021, the National Tele-
10	communications and Information Administration
11	and the Department of Homeland Security shall
12	submit to Congress a strategy to secure the border
13	gateway protocol and the domain name system.
14	(2) STRATEGY REQUIREMENTS.—The strategy
15	required under paragraph (1) shall—
16	(A) articulate the security and privacy ben-
17	efits of implementing security for the border
18	gateway protocol and the domain name system
19	and the burdens of implementation and the en-
20	tities on whom those burdens will most likely
21	fall;
22	(B) identify key United States and inter-
23	national stakeholders;
24	(C) outline identified security measures
25	that could be used to secure or provide authen-

1	tication for the border gateway protocol and the
2	domain name system;
3	(D) identify any barriers to implementing
4	security for the border gateway protocol and the
5	domain name system at scale;
6	(E) propose a strategy to implement iden-
7	tified security measures at scale, accounting for
8	barriers to implementation and balancing bene-
9	fits and burdens, where feasible; and
10	(F) provide an initial estimate of the total
11	cost to the Government and implementing enti-
12	ties in the private sector of implementing secu-
13	rity for the border gateway protocol and the do-
14	main name system and propose recommenda-
15	tions for defraying these costs, if applicable.
16	(3) Consultation.—In developing the strat-
17	egy required under paragraph (1) the National Tele-
18	communications and Information Administration
19	and the Department of Homeland Security shall
20	consult with information and communications tech-
21	nology infrastructure providers, civil society organi-
22	zations, relevant nonprofit organizations, and aca-

demic experts.

1 TITLE IV—SYSTEMICALLY IM-

2 **PORTANT CRITICAL INFRA-**

3 **STRUCTURE**

- 4 SEC. 401. DEFINITIONS.
- 5 In this title:

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- 6 (1) APPROPRIATE CONGRESSIONAL COMMIT7 TEES.—The term "appropriate congressional com8 mittees" means the Committee on Homeland Secu9 rity and Governmental Affairs of the Senate and the
 10 Committee on Homeland Security of the House of
 11 Representatives.
 - (2) CRITICAL INFRASTRUCTURE.—The term "critical infrastructure" has the meaning given that term in section 1016(e) of the Critical Infrastructure Protection Act of 2001 (42 U.S.C. 5195c(e)).
 - (3) DEPARTMENT.—The term "Department" means the Department of Homeland Security.
 - (4) Entity.—The term "entity" means a non-Federal entity and a private entity, as such terms are defined under section 102 of the Cybersecurity Information Sharing Act of 2015 (6 U.S.C. 1501).
 - (5) NATIONAL CRITICAL FUNCTIONS.—The term "national critical functions" means functions of government and the private sector so vital to the United States that their disruption, corruption, or

1	dysfunction would have a debilitating effect on secu-
2	rity, national economic security, national public
3	health or safety, or any combination thereof.
4	(6) Secretary.—The term "Secretary" means
5	the Secretary of Homeland Security.
6	(7) STAKEHOLDERS.—The term "stakeholders"
7	means persons or groups whose consultation may aid
8	the Secretary in exercising the authority of the Sec-
9	retary under this title, including—
10	(A) Sector Coordinating Councils within
11	the Critical Infrastructure Partnership Advisory
12	Council, established under section 871 of the
13	Homeland Security Act of 2002 (6 U.S.C. 451);
14	(B) the State, Local, Tribal and Territorial
15	Government Coordinating Council, within the
16	Critical Infrastructure Partnership Advisory
17	Council, established under section 871 of the
18	Homeland Security Act of 2002 (6.U.S.C. 451);
19	(C) the Cybersecurity Advisory Committee
20	established under section 2219 of the Homeland
21	Security Act of 2002 (6 U.S.C. 665e), as so re-
22	designated by section 101 of this Act;
23	(D) the National Security Telecommuni-
24	cations Advisory Committee established pursu-

1	ant to Executive Order 12382 (47 Fed. Reg.
2	40531); and
3	(E) the National Infrastructure Advisory
4	Council, established pursuant to Executive
5	Order 13231 (66 Fed. Reg. 53063).
6	(8) Systemically important critical in-
7	FRASTRUCTURE.—The term "Systemically Impor-
8	tant Critical Infrastructure" means an entity that
9	has been designated as such by the Secretary
10	through the process and procedures established
11	under section 402.
12	SEC. 402. SYSTEMICALLY IMPORTANT CRITICAL INFRA-
13	STRUCTURE.
14	(a) In General.—The Secretary may designate en-
15	tities as Systemically Important Critical Infrastructure.
16	(b) ESTABLISHMENT OF METHODOLOGY AND CRI-
17	
	TERIA.—Prior to designating any entities as Systemically
18	TERIA.—Prior to designating any entities as Systemically Important Critical Infrastructure, the Secretary, in con-
18 19 20	Important Critical Infrastructure, the Secretary, in con-
19	Important Critical Infrastructure, the Secretary, in consultation with the National Cyber Director, Sector Risk
19 20	Important Critical Infrastructure, the Secretary, in consultation with the National Cyber Director, Sector Risk Management Agencies, and appropriate stakeholders shall

1	(2) criteria for determining whether an entity
2	qualifies as Systemically Important Critical Infra-
3	structure.
4	(c) Considerations.—In establishing criteria for
5	determining whether an entity qualifies as Systemically
6	Important Critical Infrastructure, the Secretary shall con-
7	sider—
8	(1) the likelihood that disruption to or com-
9	promise of such an entity could cause a debilitating
10	effect on national security, economic security, public
11	health or safety, or any combination thereof;
12	(2) the extent to which damage, disruption, or
13	unauthorized access to such an entity either sepa-
14	rately or collectively, will disrupt the reliable oper-
15	ation of other critical infrastructure assets, or im-
16	pede provisioning of one or more national critical
17	functions;
18	(3) the extent to which national eybersecurity
19	resilience would be enhanced by deeper risk manage-
20	ment integration between Systemically Important
21	Critical Infrastructure entities and the Federal Gov-
22	ernment; and
23	(4) the extent to which compromise or unau-
24	thorized access of such an entity could separately or

collectively create widespread compromise of the

1	eyber ecosystem, significant portions of critical infra-
2	structure, or multiple critical infrastructure sectors.
3	(d) List.—
4	(1) In General.—Not later than 1 year after
5	the date of enactment of this Act, the Secretary
6	shall complete an initial list of entities designated as
7	Systemically Important Critical Infrastructure.
8	(2) Maintenance of list.—The Secretary
9	shall maintain a comprehensive list of entities des-
10	ignated as Systemically Important Critical Infra-
11	structure, which shall be updated within 7 days of
12	a change in whether an entity qualifies as System-
13	ically Important Critical Infrastructure.
14	(e) Entity Notifications.—Not later than 90 days
15	after designating an entity as Systemically Important
16	Critical Infrastructure or removing the designation of an
17	entity as Systemically Important Critical Infrastructure,
18	the Secretary shall notify the entity.
19	(f) Congressional Notifications.—The Sec-
20	retary shall—
21	(1) not later than 30 days after the date of any
22	addition, modification, or removal of an entity from
23	the list of Significantly Important Critical Infra-
24	structure maintained under subsection (d), notify
25	the appropriate Congressional committees; and

1	(2) at least every 2 years, submit to the appro-
2	priate Congressional committees an updated com-
3	prehensive list of entities designated as Systemically
4	Important Critical Infrastructure, in conjunction
5	with each plan required pursuant to section 403.
6	SEC. 403. PLAN FOR ENHANCEMENT OF SYSTEMICALLY IM-
7	PORTANT CRITICAL INFRASTRUCTURE
8	METHODOLOGY AND CAPABILITY.
9	(a) In General.—Not later than 180 days after the
10	date of enactment of this Act, and every 2 years thereafter
11	for 10 years, the Secretary, in consultation with Sector
12	Risk Management Agencies and appropriate stakeholders,
13	shall develop and submit to the appropriate congressional
14	committees a plan for enhancing the methodology of the
15	Department for identifying Systemically Important Crit-
16	ical Infrastructure, including a discussion of the progress
17	of the Department as of the date of submission of the plan
18	in implementing the plan.
19	(b) Contents of Plan.—
20	(1) In General.—The plan required under
21	subsection (a) shall include—
22	(A) the methodology and criteria used for
23	identifying and determining entities that qualify
24	as Systemically Important Critical Infrastruc-
25	ture as described in section 402(b) and the

1	analysis used to establish such methodology and
2	criteria;
3	(B) a proposed timeline for enhancing the
4	eapabilities of the Department to expand the
5	list beyond the designated entities to also in-
6	elude facilities, systems, assets, or other rel-
7	evant units of critical infrastructure that may
8	further enhance the ability to manage risk of
9	Systemically Important Critical Infrastructure;
10	(C) information regarding the outreach by
11	the Department to stakeholders and other Sec-
12	tor Risk Management Agencies on such efforts,
13	including mechanisms for incorporation of in-
14	dustry feedback;
15	(D) information regarding the efforts of
16	the Department, and the associated challenges
17	with such efforts, to access information from
18	stakeholders and other Sector Risk Manage-
19	ment Agencies to identify Systemically Impor-
20	tant Critical Infrastructure;
21	(E) information regarding other critical in-
22	frastructure entity identification programs with-
23	in the Department and how they are being in-
24	corporated into the overarching process to iden-
25	tify Systemically Important Critical Infrastruc-

1	ture, which shall include the efforts of the De-
2	partment under section 9 of Executive Order
3	13636 (78 Fed. Reg. 11739), the National In-
4	frastructure Prioritization Program, and section
5	4 of Executive Order 14028 (86 Fed. Reg.
6	26633);
7	(F) any identified gaps in authorities or
8	resources required to successfully earry out the
9	process of identifying Systemically Important
10	Critical Infrastructure, including facilities, sys-
11	tems, assets, or other relevant units of critical
12	infrastructure, as well as legislative proposals to
13	address such gaps;
14	(G) an assessment of potential benefits for
15	entities designated as Systemically Important
16	Critical Infrastructure, which shall include an
17	assessment of—
18	(i) enhanced intelligence support and
19	information sharing;
20	(ii) prioritized Federal technical as-
21	sistance;
22	(iii) liability protection for entities
23	designated as Systemically Important Crit-
24	ical Infrastructure that conform to identi-
25	fied security standards for damages or

1	harm directly or indirectly caused by a
2	eyber incident;
3	(iv) prioritized emergency planning;
4	(v) benefits described in the final re-
5	port of the U.S. Cyberspace Solarium
6	Commission, dated March 2020; and
7	(vi) additional authorizations or re-
8	sources necessary to implement the bene-
9	fits assessed under this subparagraph; and
10	(H) an assessment of potential mecha-
11	nisms to improve the security of entities des-
12	ignated as Systemically Important Critical In-
13	frastructure, which shall include an assessment
14	of
15	(i) risk-based eybersecurity perform-
16	ance standards for all Systemically Impor-
17	tant Critical Infrastructure entities, incor-
18	porating, to the greatest extent possible,
19	existing industry best practices, standards,
20	and guidelines;
21	(ii) sector-specific performance stand-
22	ards;
23	(iii) additional regulations to enhance
24	the security of Systemically Important
25	Critical Infrastructure against cyber risks,

1	including how to prevent duplicative re-
2	quirements for already regulated sectors;
3	(iv) eyber incident reporting require-
4	ments for entities designated as System-
5	ically Important Critical Infrastructure;
6	and
7	(v) additional authorizations or re-
8	sources necessary to implement the mecha-
9	nisms to improve the security of System-
10	ically Important Critical Infrastructure as-
11	sessed under this subparagraph.
12	(2) INITIAL PLAN.—The initial plan submitted
13	under this section shall include a detailed description
14	of the capabilities of the Department with respect to
15	identifying Systemically Important Critical Infra-
16	structure as they were on the date of enactment of
17	this Act.
18	(e) Classified Annex.—The plan shall be in un-
19	classified form, but may include a classified annex, as the
20	Secretary determines necessary.
21	(d) Publication.—Not later than 30 days after the
22	date on which the Secretary submits a plan to Congress,
23	the Secretary shall make the plan available to relevant
24	stakeholders.

1	(e) Restriction.—Subchapter I of chapter 35 of
2	title 44, United States Code, shall not apply to any action
3	to implement this section or to any exercise of the author-
4	ity of the Secretary pursuant to this section.
5	TITLE V—ENABLING THE
6	NATIONAL CYBER DIRECTOR
7	SEC. 501. ESTABLISHMENT OF HIRING AUTHORITIES FOR
8	THE OFFICE OF THE NATIONAL CYBER DI-
9	RECTOR.
10	Section 1752 of the William M. (Mac) Thornberry
11	National Defense Authorization Act for Fiscal Year 2021
12	(Public Law 116–283) is amended—
13	(1) in subsection (e)—
14	(A) in paragraph (1), by inserting "and in
15	accordance with paragraphs (3) through (7) of
16	this subsection," after "and classification
17	laws,'';
18	(B) in paragraph (2), by inserting "not-
19	withstanding paragraphs (3) through (7) of this
20	subsection," before "employ experts";
21	(C) by redesignating paragraphs (3)
22	through (8) as paragraphs (8) through (13), re-
23	spectively; and
24	(D) by inserting after paragraph (2) the
25	following:

"(3) establish, as positions in the excepted service, such qualified positions in the Office as the Director determines necessary to earry out the responsibilities of the Office, appoint an individual to a qualified position (after taking into consideration the availability of preference eligibles for appointment to the position), and, subject to the requirements of paragraphs (4) and (5), fix the compensation of an individual for service in a qualified position;

"(4) fix the rates of basic pay for any qualified position established under paragraph (3) in relation to the rates of pay provided for employees in comparable positions in the Office, in which the employee occupying the comparable position performs, manages, or supervises functions that execute the mission of the Office, and, subject to the same limitations on maximum rates of pay and consistent with section 5341 of title 5, United States Code, adopt such provisions of that title to provide for prevailing rate systems of basic pay and apply those provisions to qualified positions for employees in or under which the Office may employ individuals described by section 5342(a)(2)(A) of such title;

"(5) employ an officer or employee of the United States or member of the Armed Forces de-

1	tailed to the staff of the Office on a non-reimburs-
2	able basis—
3	"(A) as jointly agreed to by the heads of
4	the receiving and detailing elements, for a pe-
5	riod not to exceed 3 years;
6	"(B) which shall not be construed to limit
7	any other source of authority for reimbursable
8	or non-reimbursable details; and
9	"(C) which shall not be considered an aug-
10	mentation of the appropriations of the receiving
11	element of the Office;
12	"(6) provide—
13	"(A) employees in qualified positions com-
14	pensation (in addition to basic pay), including
15	benefits, incentives, and allowances, consistent
16	with, and not in excess of the level authorized
17	for, comparable positions authorized by title 5,
18	United States Code; and
19	"(B) employees in a qualified position
20	whose rate of basic pay is fixed under para-
21	graph (4) an allowance under section 5941 of
22	title 5, United States Code, on the same basis
23	and to the same extent as if the employee was
24	an employee covered by such section, including

1	eligibility conditions, allowance rates, and all
2	other terms and conditions in law or regulation;
3	"(7) establish a fellowship program to facilitate
4	a talent exchange program between the private sec-
5	tor and the Office to arrange, with the agreement of
6	a private sector organization and the consent of the
7	employee, for the temporary assignment of an em-
8	ployee to the private sector organization, or from the
9	private sector organization to the Office;"; and
10	(2) in subsection (g)—
11	(A) by redesignating paragraphs (3)
12	through (6) as paragraphs (4) through (7), re-
13	spectively;
14	(B) by inserting after paragraph (2) the
15	following:
16	"(3) The term 'excepted service' has the mean-
17	ing given that term in section 2103 of title 5, United
18	States Code."; and
19	(3) by adding at the end the following:
20	"(8) The term 'preference eligible' has the
21	meaning given that term in section 2108(3) of title
22	5, United States Code.
23	"(9) The term 'qualified position' means a posi-
24	tion, designated by the Director for the purpose of
25	this section, in which the individual occupying such

1

position performs, manages, or supervises functions

2	that execute the responsibilities of the Office.".
3	SECTION 1. SHORT TITLE; TABLE OF CONTENTS.
4	(a) Short Title.—This Act may be cited as the "De-
5	fense of United States Infrastructure Act of 2021".
6	(b) Table of Contents.—The table of contents for
7	this Act is as follows:
	Sec. 1. Short title; table of contents. Sec. 2. Definitions.
	TITLE I—IMPROVING THE ABILITY OF THE FEDERAL GOVERN MENT TO ASSIST IN ENHANCING CRITICAL INFRASTRUCTURE CYBER RESILIENCE
	Sec. 101. Institute a 5-year term for the Director of the Cybersecurity and Infra- structure Security Agency. Sec. 102. Pilot program on cyber threat information collaboration environment
	TITLE II—IMPROVING SECURITY IN THE NATIONAL CYBER ECOSYSTEM
	Sec. 201. Report on cybersecurity certifications and labeling. Sec. 202. Secure foundational internet protocols.
	TITLE III—ENABLING THE NATIONAL CYBER DIRECTOR
	Sec. 301. Establishment of hiring authorities for the Office of the National Cyber Director.
8	SEC. 2. DEFINITIONS.
9	In this Act:
10	(1) Critical infrastructure.—The term
11	"critical infrastructure" has the meaning given such
12	term in section 1016(e) of the Critical Infrastructure
13	Protection Act of 2001 (42 U.S.C. 5195c(e)).
14	(2) Cybersecurity risk.—The term "cyberse
15	curity risk" has the meaning given such term in sec

1	tion 2209 of the Homeland Security Act of 2002 (6
2	U.S.C. 659).
3	(3) Department.—The term "Department"
4	means the Department of Homeland Security.
5	(4) Secretary.—The term "Secretary" means
6	the Secretary of Homeland Security.
7	TITLE I—IMPROVING THE ABIL-
8	ITY OF THE FEDERAL GOV-
9	ERNMENT TO ASSIST IN EN-
10	HANCING CRITICAL INFRA-
11	STRUCTURE CYBER RESIL-
12	IENCE
13	SEC. 101. INSTITUTE A 5-YEAR TERM FOR THE DIRECTOR OF
14	THE CYBERSECURITY AND INFRASTRUCTURE
15	SECURITY AGENCY.
16	(a) In General.—Subsection (b)(1) of section 2202
17	of the Homeland Security Act of 2002 (6 U.S.C. 652), is
18	amended by inserting "The term of office of an individual
19	serving as Director shall be 5 years." after "who shall report
20	to the Secretary.".
21	(b) Transition Rules.—The amendment made by
22	subsection (a) shall take effect on the first appointment of
23	an individual to the position of Director of the Cybersecu-
24	rity and Infrastructure Security Agency, by and with the

1	advice and consent of the Senate, that is made on or after
2	the date of enactment of this Act.
3	SEC. 102. PILOT PROGRAM ON CYBER THREAT INFORMA
4	TION COLLABORATION ENVIRONMENT.
5	(a) Definitions.—In this section:
6	(1) Critical infrastructure information.—
7	The term "critical infrastructure information" has
8	the meaning given such term in section 2222 of the
9 Homeland Security Act of 2002 (6 U.S.C. 671).	
10	(2) Cyber threat indicator.—The term
11	"cyber threat indicator" has the meaning given such
12	term in section 102 of the Cybersecurity Act of 2015
13	(6 U.S.C. 1501).
14	(3) Cybersecurity threat.—The term "cyber-
15	security threat" has the meaning given such term in
16	section 102 of the Cybersecurity Act of 2015 (6 U.S.C.
17	1501).
18	(4) Environment.—The term "environment"
19 means the information collaboration environment	
20 tablished under subsection (b).	
21	(5) Information sharing and analysis orga-
22	NIZATION.—The term "information sharing and anal-
23	ysis organization" has the meaning given such term
24	in section 2222 of the Homeland Security Act of 2002
25	(6 U.S.C. 671).

1	(6) Non-federal entity.—The term "non-fed-	
2	eral entity" has the meaning given such term in sec-	
3	tion 102 of the Cybersecurity Act of 2015 (6 U.S.C.	
4	1501).	
5	(b) Pilot Program.—The Secretary, in consultation	
6	with the Secretary of Defense, the Director of National In-	
7	telligence, the Director of the National Security Agency, and	
8	the Attorney General shall carry out a pilot program under	
9	Which the Secretary shall develop an information collabora	
10	tion environment and associated analytic tools that enable	
11	Federal and non-Federal entities to identify, mitigate, and	
12	prevent malicious cyber activity to—	
13	(1) provide limited access to appropriate and	
14	operationally relevant data from unclassified and	
15	classified intelligence about cybersecurity risks and	
16	cybersecurity threats, as well as malware forensics	
17	and data from network sensor programs, on a plat-	
18	form that enables query and analysis;	
19	(2) enable cross-correlation of data on cybersecu-	
20	rity risks and cybersecurity threats at the speed and	
21	scale necessary for rapid detection and identification;	
22	(3) facilitate a comprehensive understanding of	
23	cybersecurity risks and cybersecurity threats; and	
24	(4) facilitate collaborative analysis between the	
25	Federal Government and public and private sector	

1	critical infrastructure entities and information and
2	analysis organizations.
3	(c) Implementation of Information Collabora-
4	TION ENVIRONMENT.—
5	(1) EVALUATION.—Not later than 180 days after
6	the date of enactment of this Act, the Secretary, act-
7	ing through the Director of the Cybersecurity and In-
8	frastructure Security Agency, and in coordination
9	with the Secretary of Defense, the Director of Na-
10	tional Intelligence, the Director of the National Secu-
11	rity Agency, and the Attorney General, shall—
12	(A) identify, inventory, and evaluate exist-
13	ing Federal sources of classified and unclassified
14	information on cybersecurity threats;
15	(B) evaluate current programs, applica-
16	tions, or platforms intended to detect, identify,
17	analyze, and monitor cybersecurity risks and cy-
18	bersecurity threats;
19	(C) consult with public and private sector
20	critical infrastructure entities to identify public
21	and private critical infrastructure cyber threat
22	capabilities, needs, and gaps; and
23	(D) identify existing tools, capabilities, and
24	sustems that may be adapted to achieve the pur-

poses of the environment in order to maximize return on investment and minimize cost.

[2] IMPLEMENTATION.—

(A) In General.—Not later than 1 year after completing the evaluation required under paragraph (1)(B), the Secretary, acting through the Director of the Cybersecurity and Infrastructure Security Agency, and in consultation with the Secretary of Defense, the Director of National Intelligence, the Director of the National Security Agency, and the Attorney General, shall begin implementation of the environment to enable participants in the environment to develop and run analytic tools referred to in subsection (b) on specified data sets for the purpose of identifying, mitigating, and preventing malicious cyber activity that is a threat to public and private critical infrastructure.

- (B) REQUIREMENTS.—The environment and the use of analytic tools referred to in subsection (b) shall—
 - (i) operate in a manner consistent with relevant privacy, civil rights, and civil liberties policies and protections, including such policies and protections established

1	pursuant to section 1016 of the Intelligence
2	Reform and Terrorism Prevention Act of
3	2004 (6 U.S.C. 485);
4	(ii) account for appropriate data
5	standards and interoperability require-
6	ments, consistent with the standards set
7	forth in subsection (d);
8	(iii) enable integration of current ap-
9	plications, platforms, data, and informa-
10	tion, including classified information, in a
11	manner that supports integration of unclas-
12	sified and classified information on cyberse-
13	curity risks and cybersecurity threats;
14	(iv) incorporate tools to manage access
15	to classified and unclassified data, as ap-
16	propriate;
17	(v) ensure accessibility by entities the
18	Secretary, in consultation with the Sec-
19	retary of Defense, the Director of National
20	Intelligence, the Director of the National Se-
21	curity Agency, and the Attorney General,
22	$determines\ appropriate;$
23	(vi) allow for access by critical infra-
24	structure stakeholders and other private sec-
25	tor partners, at the discretion of the Sec-

1	retary, in consultation with the Secretary of
2	Defense;
3	(vii) deploy analytic tools across clas-
4	sification levels to leverage all relevant data
5	sets, as appropriate;
6	(viii) identify tools and analytical soft-
7	ware that can be applied and shared to ma-
8	nipulate, transform, and display data and
9	other identified needs; and
10	(ix) anticipate the integration of new
11	technologies and data streams, including
12	data from government-sponsored network
13	sensors or network-monitoring programs de-
14	ployed in support of non-Federal entities.
15	(3) Annual report requirement on the im-
16	PLEMENTATION, EXECUTION, AND EFFECTIVENESS OF
17	THE PILOT PROGRAM.—Not later than 1 year after
18	the date of enactment of this Act, and every year
19	thereafter until the date that is 1 year after the pilot
20	program under this section terminates under sub-
21	section (e), the Secretary shall submit to the Com-
22	mittee on Homeland Security and Governmental Af-
23	fairs, the Committee on the Judiciary, and the Select
24	Committee on Intelligence of the Senate and the Com-
25	mittee on Homeland Security, the Committee on the

1	Judiciary, and the Permanent Select Committee on
2	Intelligence of the House of Representatives a report
3	that details—
4	(A) Federal Government participation in
5	the environment, including the Federal entities
6	participating in the environment and the volume
7	of information shared by Federal entities into
8	$the\ environment;$
9	(B) non-Federal entities' participation in
10	the environment, including the non-Federal enti-
11	ties participating in the environment and the
12	volume of information shared by non-Federal en-
13	tities into the environment;
14	(C) the impact of the environment on posi-
15	tive security outcomes in the Federal Govern-
16	ment and non-Federal entities;
17	(D) barriers identified to fully realizing the
18	benefit of the environment both for the Federal
19	Government and non-Federal entities; and
20	(E) additional authorities or resources nec-
21	essary to successfully execute the environment.
22	(d) Cyber Threat Data Standards and Inter-
23	OPERABILITY.—
24	(1) Establishment.—The Secretary, in coordi-
25	nation with the Secretary of Defense, the Director of

1	National Intelligence, the Director of the National Se-
2	curity Agency, and the Attorney General, shall estab-
3	lish data standards and requirements for non-Federal
4	entities to participate in the environment.
5	(2) Data streams.—The Secretary shall iden-
6	tify, designate, and periodically update programs
7	that shall participate in or be interoperable with the
8	environment, which may include—
9	(A) network-monitoring and intrusion de-
10	$tection\ programs;$
11	(B) cyber threat indicator sharing pro-
12	grams;
13	(C) certain government-sponsored network
14	sensors or network-monitoring programs;
15	(D) incident response and cybersecurity
16	technical assistance programs; or
17	(E) malware forensics and reverse-engineer-
18	ing programs.
19	(3) Data Governance.—The Secretary, in con-
20	sultation with the Secretary of Defense, the Director
21	of National Intelligence, the Director of the National
22	Security Agency, and the Attorney General shall es-
23	tablish procedures and data governance structures, as
24	necessary, to protect sensitive data, comply with Fed-
25	eral regulations and statutes, and respect existing

1	consent agreements with public and private sector
2	critical infrastructure entities that apply to critical
3	$in frastructure\ in formation.$
4	(4) Rule of construction.—Nothing in this
5	subsection shall change existing ownership or protec-
6	tion of, or policies and processes for access to, agency
7	data.
8	(e) Duration.—The pilot program under this section
9	shall terminate on the date that is 5 years after the date
10	of enactment of this Act.
11	TITLE II—IMPROVING SECURITY
12	IN THE NATIONAL CYBER
13	ECOSYSTEM
14	SEC. 201. REPORT ON CYBERSECURITY CERTIFICATIONS
15	AND LABELING.
16	Not later than October 1, 2022, the National Cyber Di-
17	rector, in consultation with the Director of the National In-
18	stitute of Standards and Technology and the Director of
19	the Cybersecurity and Infrastructure Security Agency, shall
20	submit to the Committee on Homeland Security and Gov-
21	ernmental Affairs of the Senate and the Committee on
22	Homeland Security of the House of Representatives a report
23	that—
24	(1) identifies and assesses existing efforts by the
25	Federal Government to create, administer, or other-

- wise support the use of certifications or labels to com municate the security or security characteristics of in formation technology or operational technology prod ucts and services; and
- 5 (2) assesses the viability of and need for a new 6 program at the Department to harmonize information 7 technology and operational technology product and 8 service security certification and labeling efforts 9 across the Federal Government and between the Fed-10 eral Government and the private sector.

11 SEC. 202. SECURE FOUNDATIONAL INTERNET PROTOCOLS.

- 12 (a) DEFINITIONS.—In this section:
- 13 (1) BORDER GATEWAY PROTOCOL.—The term
 14 "border gateway protocol" means a protocol designed
 15 to optimize routing of information exchanged through
 16 the internet.
 - (2) Domain Name System.—The term "domain name system" means a system that stores information associated with domain names in a distributed database on networks.
- 21 (3) Information and communications tech-22 Nology infrastructure providers.—The term 23 "information and communications technology infra-24 structure providers" means all systems that enable 25 connectivity and operability of internet service, back-

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- 1 bone, cloud, web hosting, content delivery, domain
- 2 name system, and software-defined networks and
- 3 other systems and services.
- 4 (b) Creation of a Strategy to Encourage Imple-
- 5 mentation of Measures to Secure Foundational
- 6 Internet Protocols.—
- 7 (1) Protocol security strategy.—In order 8 to encourage implementation of measures to secure 9 foundational internet protocols by information and 10 communications technology infrastructure providers, 11 not later than 180 days after the date of enactment
- of this Act, the Assistant Secretary for Communica-
- tions and Information of the Department of Com-
- 14 merce, in coordination with the Director of the Na-
- 15 tional Institute Standards and Technology and the
- 16 Director of the Cybersecurity and Infrastructure Se-
- 17 curity Agency, shall establish a working group com-
- 18 posed of appropriate stakeholders, including rep-
- 19 resentatives of the Internet Engineering Task Force
- and information and communications technology in-
- 21 frastructure providers, to prepare and submit to Con-
- 22 gress a strategy to encourage implementation of meas-
- 23 ures to secure the border gateway protocol and the do-
- 24 main name system.

1	(2) Strategy requirements.—The strategy re-
2	quired under paragraph (1) shall—
3	(A) articulate the motivation and goal of
4	the strategy to reduce incidents of border gate-
5	way protocol hijacking and domain name system
6	hijacking;
7	(B) articulate the security and privacy ben-
8	efits of implementing the most up-to-date and se-
9	cure instances of the border gateway protocol
10	and the domain name system and the burdens of
11	implementation and the entities on whom those
12	burdens will most likely fall;
13	(C) identify key United States and inter-
14	$national\ stakeholders;$
15	(D) outline varying measures that could be
16	used to implement security or provide authen-
17	tication for the border gateway protocol and the
18	domain name system;
19	(E) identify any barriers to implementing
20	security for the border gateway protocol and the
21	domain name system at scale;
22	(F) propose a strategy to implement identi-
23	fied security measures at scale, accounting for
24	barriers to implementation and balancing bene-
25	fits and burdens, where feasible: and

1	(G) provide an initial estimate of the total
2	cost to the Government and implementing enti-
3	ties in the private sector of implementing secu-
4	rity for the border gateway protocol and the do-
5	main name system and propose recommenda-
6	tions for defraying these costs, if applicable.
7	TITLE III—ENABLING THE
8	NATIONAL CYBER DIRECTOR
9	SEC. 301. ESTABLISHMENT OF HIRING AUTHORITIES FOR
10	THE OFFICE OF THE NATIONAL CYBER DIREC-
11	TOR.
12	(a) Definitions.—In this section:
13	(1) Director.—The term "Director" means the
14	National Cyber Director.
15	(2) Excepted service.—The term "excepted
16	service" has the meaning given such term in section
17	2103 of title 5, United States Code.
18	(3) Office.—The term "Office" means the Office
19	of the National Cyber Director.
20	(4) Qualified Position.—The term "qualified
21	position" means a position identified by the Director
22	under subsection (b)(1)(A), in which the individual
23	occupying such position performs, manages, or super-
24	vises functions that execute the responsibilities of the
25	$O\!f\!f\!ice.$

1	(b) Hiring Plan.—The Director shall, for purposes of
2	carrying out the functions of the Office—
3	(1) craft an implementation plan for positions
4	in the excepted service in the Office, which shall pro-
5	pose—
6	(A) qualified positions in the Office, as the
7	Director determines necessary to carry out the
8	responsibilities of the Office; and
9	(B) subject to the requirements of para-
10	graph (2), rates of compensation for an indi-
11	vidual serving in a qualified position;
12	(2) propose rates of basic pay for qualified posi-
13	tions, which shall—
14	(A) be determined in relation to the rates of
15	pay provided for employees in comparable posi-
16	tions in the Office, in which the employee occu-
17	pying the comparable position performs, man-
18	ages, or supervises functions that execute the
19	mission of the Office; and
20	(B) subject to the same limitations on max-
21	imum rates of pay and consistent with section
22	5341 of title 5, United States Code, adopt such
23	provisions of that title to provide for prevailing
24	rate systems of basic pay and apply those provi-
25	sions to qualified positions for employees in or

under which the Office may employ individuals
 described by section 5342(a)(2)(A) of such title;
 and

(3) craft proposals to provide—

- (A) employees in qualified positions compensation (in addition to basic pay), including benefits, incentives, and allowances, consistent with, and not in excess of the level authorized for, comparable positions authorized by title 5, United States Code; and
- (B) employees in a qualified position for which the Director proposes a rate of basic pay under paragraph (2) an allowance under section 5941 of title 5, United States Code, on the same basis and to the same extent as if the employee was an employee covered by such section, including eligibility conditions, allowance rates, and all other terms and conditions in law or regulation.

Calendar No. 670

117th CONGRESS **S. 2491**

[Report No. 117-271]

A BILL

To amend the Homeland Security Act of 2002 to establish the National Cyber Resilience Assistance Fund, to improve the ability of the Federal Government to assist in enhancing critical infrastructure cyber resilience, to improve security in the national cyber ecosystem, to address Systemically Important Critical Infrastructure, and for other purposes.

December 19, 2022

Reported with an amendment