1   H.157

2   Introduced by Representative Rachelson of Burlington

3   Referred to Committee on

4   Date:

5   Subject: Commerce and trade; consumer protection; data security; connected

6   devices

7   Statement of purpose of bill as introduced: This bill proposes to require that

8   connected devices sold in Vermont meet minimum security standards.

9   An act relating to adopting minimum security standards for connected
10   devices

11   It is hereby enacted by the General Assembly of the State of Vermont:

12   Sec. 1. 9 V.S.A. § 2433 is added to read:

13   § 2433. CONNECTED DEVICES; MINIMUM SECURITY STANDARDS

14   (a) A person shall not sell or deliver into this State any consumer electronic

15   product that is capable of connecting to the Internet, or to other electronic

16   products that are capable of connecting to the Internet, unless the product

17   meets the following minimum security standards:

18   (1) Encrypted communications. The product shall use encryption for its

19   network communication functions and capabilities to ensure that its

20   communications are not eavesdropped or modified in transit.

1   (2) Security updates.

2   (A) The product shall support automatic updates for a reasonable

3   period after sale, and shall be enabled by default, to ensure that when a

4   vulnerability is known, the vendor can make security updates available for

5   consumers that are verified using some form of cryptography and installed

6   seamlessly.

7   (B) An update shall not make the product unavailable to a consumer

8   for an extended period.

9   (3) Strong passwords.

10   (A) If the product uses passwords for remote authentication, it shall

11 require that strong passwords are used, including having password strength

12 requirements.

13   (B) Any nonunique default passwords shall be reset as part of the

14 device's initial setup to protect the device from vulnerability to guessable

15 password attacks.

16   (4) Vulnerability management. A vendor shall have a system in place to

17 manage vulnerabilities in the product, which shall include a point of contact for

18 reporting vulnerabilities or an equivalent bug bounty program to ensure that

19 vendors are actively managing vulnerabilities throughout the product's

20 lifecycle.

1   (5) Privacy Practices.

2   (A) The product shall have a privacy policy that is easily accessible,

3   written in language that is easily understood, and appropriate for the person

4   using the device or service.

5   (B) The vendor shall notify consumers about substantive changes to

6   the policy.

7   (C) The vendor shall disclose if it collects, transmits, or shares data

8   collected by the product for marketing purposes and shall provide the right to

9   opt-out of such practices.

10   (D) The vendor shall permit users to delete their data and account and

11   shall adopt a policy setting standard retention periods for consumer data.

12   (b) A person who violates this section commits an unfair and deceptive act

13   in commerce in violation of section 2453 of this title.

14   Sec. 2. EFFECTIVE DATE

15   This act shall take effect on July 1, 2019.