

SENATE BILL 882

P2

8lr1687

By: **Senator Lee**

Introduced and read first time: February 5, 2018

Assigned to: Education, Health, and Environmental Affairs

A BILL ENTITLED

1 AN ACT concerning

2 **Procurement – Telecommunication and Computer Network Access – Security**
3 **Requirements**

4 FOR the purpose of requiring a unit to require a certain bidder or offeror to submit a certain
5 certification or application before the unit is authorized to award a procurement
6 contract for a certain Internet–connected device; requiring a certain bidder or offeror
7 to certify certain information regarding a certain security vulnerability of a certain
8 Internet–connected device; authorizing a certain bidder or offeror to submit a certain
9 application for a waiver from certain certification requirements; requiring a certain
10 application for a waiver to identify or include certain information; authorizing a
11 certain unit to petition the Department of Information Technology for a certain
12 waiver if the unit determines that a certain procurement is unfeasible or
13 economically impractical; requiring a certain petition to include certain waivers;
14 requiring the Department to establish a certain process for submitting and reviewing
15 certain petitions; prohibiting a unit from awarding a certain procurement before the
16 Department grants a certain petition; requiring the head of a certain unit to sign a
17 certain statement accepting certain responsibility if the Department grants a certain
18 petition; requiring the Department to adopt regulations to define a certain set of
19 conditions for security standards for certain noncompliant devices; requiring certain
20 conditions to be met before a unit is authorized to award a certain procurement for
21 a certain noncompliant device; authorizing the Department to coordinate with
22 certain partners and experts and consider certain factors in establishing certain
23 conditions; authorizing the Department to coordinate with certain partners and
24 experts to adopt certain regulations regarding management and use of certain
25 noncompliant devices; authorizing a certain unit to use certain third–party security
26 standards under certain circumstances; requiring a certain unit to require a certain
27 bidder or offeror to submit a certain certification regarding compliance with a certain
28 third–party security standard; requiring the Department to coordinate with certain
29 units to determine requirements for certain third–party security standards and
30 whether certain standards align with certain regulations; authorizing a unit to use
31 a certain security evaluation process or criteria for certain Internet–connected

EXPLANATION: CAPITALS INDICATE MATTER ADDED TO EXISTING LAW.

[Brackets] indicate matter deleted from existing law.



1 devices under certain circumstances; requiring the Department, in coordination with
 2 certain units, to determine if a certain process or criteria align with certain
 3 regulations; requiring a certain contract to include certain clauses; authorizing a
 4 unit to alter certain contract clauses after consultation with the Department;
 5 providing that a unit is authorized to enter into a certain contract or accept a certain
 6 bid or proposal only from an Internet service provider that does not engage in certain
 7 action; requiring the Board of Public Works to establish a certain process to
 8 authorize a unit to obtain a certain waiver; requiring a waiver process to include a
 9 certain hearing and vote; requiring the Board to publish certain notice on its website
 10 within a certain period of time; requiring the Board to submit a certain report to the
 11 General Assembly on or before a certain date each year; requiring the Department
 12 to adopt certain regulations in accordance with certain requirements on or before a
 13 certain date; providing for the construction of this Act; and generally relating to
 14 procurement and security requirements for telecommunication and computer
 15 network access.

16 BY adding to

17 Article – State Finance and Procurement

18 Section 13–401 through 13–409 to be under the new subtitle “Subtitle 4.
 19 Requirements for Telecommunication and Computer Network Access
 20 Security”

21 Annotated Code of Maryland

22 (2015 Replacement Volume and 2017 Supplement)

23 SECTION 1. BE IT ENACTED BY THE GENERAL ASSEMBLY OF MARYLAND,
 24 That the Laws of Maryland read as follows:

25 **Article – State Finance and Procurement**

26 **SUBTITLE 4. REQUIREMENTS FOR TELECOMMUNICATION AND COMPUTER**
 27 **NETWORK ACCESS SECURITY.**

28 **13–401.**

29 **THIS SUBTITLE APPLIES TO ALL PROCUREMENTS BY THE STATE.**

30 **13–402.**

31 **(A) IN THIS SUBTITLE THE FOLLOWING WORDS HAVE THE MEANINGS**
 32 **INDICATED.**

33 **(B) “DEPARTMENT” MEANS THE DEPARTMENT OF INFORMATION**
 34 **TECHNOLOGY.**

35 **(C) (1) “FIRMWARE” MEANS A COMPUTER PROGRAM AND THE DATA**
 36 **STORED IN HARDWARE SUCH THAT THE PROGRAM AND DATA CANNOT BE**

1 DYNAMICALLY WRITTEN OR MODIFIED DURING THE EXECUTION OF THE PROGRAM.

2 (2) "FIRMWARE" INCLUDES A COMPUTER PROGRAM AND THE DATA
3 STORED IN HARDWARE IN READ-ONLY MEMORY OR PROGRAMMABLE READ-ONLY
4 MEMORY.

5 (D) (1) "FIXED OR HARD-CODED CREDENTIAL" MEANS A VALUE USED AS
6 PART OF AN AUTHENTICATION MECHANISM FOR GRANTING REMOTE ACCESS TO AN
7 INFORMATION SYSTEM OR ITS INFORMATION, THAT:

8 (I) IS ESTABLISHED BY A PRODUCT VENDOR OR SERVICE
9 PROVIDER; AND

10 (II) EXCEPT THROUGH A FIRMWARE UPDATE, IS INCAPABLE OF
11 BEING MODIFIED OR REVOKED BY THE USER OR MANUFACTURER LAWFULLY
12 OPERATING THE INFORMATION SYSTEM.

13 (2) "FIXED OR HARD-CODED CREDENTIAL" INCLUDES A PASSWORD,
14 TOKEN, CRYPTOGRAPHIC KEY, OR OTHER DATA ELEMENT.

15 (E) "HARDWARE" MEANS THE PHYSICAL COMPONENTS OF AN
16 INFORMATION SYSTEM.

17 (F) "INTERNET-CONNECTED DEVICE" MEANS A PHYSICAL OBJECT THAT:

18 (1) IS CAPABLE OF CONNECTING TO AND IS IN REGULAR CONNECTION
19 WITH THE INTERNET; AND

20 (2) HAS COMPUTER PROCESSING CAPABILITIES THAT CAN COLLECT,
21 SEND, OR RECEIVE DATA.

22 (G) (1) "INTERNET SERVICE PROVIDER" MEANS A PERSON, A BUSINESS,
23 OR AN ORGANIZATION QUALIFIED TO DO BUSINESS IN THE STATE THAT PROVIDES
24 INDIVIDUALS, CORPORATIONS, OR OTHER ENTITIES WITH THE ABILITY TO CONNECT
25 TO THE INTERNET.

26 (2) "INTERNET SERVICE PROVIDER" INCLUDES A MUNICIPAL
27 BROADBAND PROVIDER.

28 (H) "NIST" MEANS THE NATIONAL INSTITUTE OF STANDARDS AND
29 TECHNOLOGY.

30 (I) "PROPERLY AUTHENTICATED UPDATE" MEANS AN UPDATE, A

1 REMEDIATION, OR A TECHNICAL FIX TO A HARDWARE, FIRMWARE, OR SOFTWARE
2 COMPONENT THAT:

3 (1) IS ISSUED BY A PRODUCT VENDOR OR SERVICE PROVIDER TO
4 CORRECT A PARTICULAR PROBLEM WITH THE COMPONENT; AND

5 (2) FOR A SOFTWARE OR FIRMWARE COMPONENT, CONTAINS A
6 METHOD OF AUTHENTICITY PROTECTION, SUCH AS A DIGITAL SIGNATURE, THAT
7 AUTOMATICALLY DETECTS AND REJECTS UNAUTHORIZED UPDATES.

8 (J) (1) "REASONABLE NETWORK MANAGEMENT" MEANS A NETWORK
9 MANAGEMENT PRACTICE THAT HAS A PRIMARILY TECHNICAL NETWORK
10 MANAGEMENT JUSTIFICATION.

11 (2) "REASONABLE NETWORK MANAGEMENT" INCLUDES A PRACTICE
12 THAT:

13 (I) IS PRIMARILY USED FOR AND TAILORED TO ACHIEVING A
14 LEGITIMATE NETWORK MANAGEMENT PURPOSE; AND

15 (II) TAKES INTO ACCOUNT THE PARTICULAR NETWORK
16 ARCHITECTURE AND TECHNOLOGY OF THE BROADBAND INTERNET ACCESS
17 SERVICE.

18 (3) "REASONABLE NETWORK MANAGEMENT" DOES NOT INCLUDE
19 OTHER BUSINESS PRACTICES THAT ARE NOT RELATED TO NETWORK MANAGEMENT.

20 (K) "SECURITY VULNERABILITY" MEANS AN ATTRIBUTE OF HARDWARE,
21 FIRMWARE, SOFTWARE, PROCESS, PROCEDURE, OR A COMBINATION OF THESE
22 FACTORS THAT COULD ENABLE OR FACILITATE THE DEFEAT OR COMPROMISE OF
23 THE CONFIDENTIALITY, INTEGRITY, OR AVAILABILITY OF AN INFORMATION SYSTEM,
24 INFORMATION WITHIN THE INFORMATION SYSTEM, OR THE PHYSICAL DEVICES TO
25 WHICH THE INFORMATION SYSTEM IS CONNECTED.

26 (L) "SOFTWARE" MEANS A COMPUTER PROGRAM AND ASSOCIATED DATA
27 THAT MAY BE DYNAMICALLY WRITTEN OR MODIFIED.

28 13-403.

29 (A) BEFORE A UNIT MAY AWARD A PROCUREMENT CONTRACT FOR AN
30 INTERNET-CONNECTED DEVICE, THE UNIT SHALL REQUIRE A BIDDER OR AN
31 OFFEROR TO SUBMIT:

1 **(1)** A WRITTEN CERTIFICATION IN ACCORDANCE WITH SUBSECTION
2 **(B)** OF THIS SECTION; OR

3 **(2)** AN APPLICATION FOR A WAIVER IN ACCORDANCE WITH
4 SUBSECTION **(C)** OF THIS SECTION.

5 **(B)** EXCEPT AS PROVIDED IN SUBSECTION **(C)** OF THIS SECTION, A BIDDER
6 OR AN OFFEROR SHALL CERTIFY THAT THE INTERNET-CONNECTED DEVICE:

7 **(1)** AT THE TIME OF SUBMITTING THE BID OR PROPOSAL, DOES NOT
8 CONTAIN A HARDWARE, SOFTWARE, OR FIRMWARE COMPONENT WITH A KNOWN
9 SECURITY VULNERABILITY OR DEFECT LISTED IN:

10 **(I)** THE NATIONAL VULNERABILITY DATABASE OF NIST; OR

11 **(II)** ANY ADDITIONAL DATABASE SELECTED BY THE SECRETARY
12 OF INFORMATION TECHNOLOGY;

13 **(2)** RELIES ON SOFTWARE OR FIRMWARE COMPONENTS CAPABLE OF
14 ACCEPTING PROPERLY AUTHENTICATED AND TRUSTED UPDATES FROM THE BIDDER
15 OR OFFEROR;

16 **(3)** USES ONLY NONDEPRECATED INDUSTRY-STANDARD PROTOCOLS
17 AND TECHNOLOGIES FOR FUNCTIONS, INCLUDING:

18 **(I)** COMMUNICATIONS, SUCH AS STANDARD PORTS FOR
19 NETWORK TRAFFIC;

20 **(II)** ENCRYPTION; AND

21 **(III)** INTERCONNECTION WITH OTHER DEVICES OR
22 PERIPHERALS; AND

23 **(4)** DOES NOT INCLUDE ANY FIXED OR HARD-CODED CREDENTIALS
24 USED FOR REMOTE ADMINISTRATION, THE DELIVERY OF UPDATES, OR
25 COMMUNICATION.

26 **(C)** **(1)** A BIDDER OR AN OFFEROR MAY SUBMIT A WRITTEN APPLICATION
27 FOR A WAIVER FROM THE CERTIFICATION REQUIREMENTS UNDER SUBSECTION **(B)**
28 OF THIS SECTION FOR THE PURPOSE OF DISCLOSING A KNOWN VULNERABILITY TO
29 THE UNIT.

30 **(2)** AN APPLICATION FOR A WAIVER SHALL:

1 (I) IDENTIFY THE SPECIFIC VULNERABILITY;

2 (II) IDENTIFY ANY MITIGATION ACTIONS THAT MAY LIMIT OR
3 ELIMINATE THE ABILITY FOR AN ADVERSARY TO EXPLOIT THE VULNERABILITY; AND

4 (III) INCLUDE A JUSTIFICATION FOR SECURE USE OF THE
5 DEVICE NOTWITHSTANDING THE VULNERABILITY.

6 13-404.

7 (A) (1) IF A UNIT REASONABLY DETERMINES THAT PROCUREMENT OF AN
8 INTERNET-CONNECTED DEVICE THAT MEETS THE CERTIFICATION REQUIREMENTS
9 UNDER § 13-403(B) OF THIS SUBTITLE WOULD BE UNFEASIBLE OR ECONOMICALLY
10 IMPRACTICAL, THE UNIT SHALL PETITION THE DEPARTMENT FOR A WAIVER TO
11 PURCHASE A NONCOMPLIANT INTERNET-CONNECTED DEVICE.

12 (2) A PETITION SUBMITTED UNDER PARAGRAPH (1) OF THIS
13 SUBSECTION SHALL INCLUDE ANY WAIVERS SUBMITTED TO THE UNIT UNDER
14 § 13-403(C) OF THIS SUBTITLE.

15 (B) THE DEPARTMENT SHALL ESTABLISH A PROCESS FOR SUBMITTING AND
16 REVIEWING PETITIONS UNDER THIS SECTION.

17 (C) A UNIT MAY NOT AWARD A PROCUREMENT TO A BIDDER OR AN OFFEROR
18 THAT DOES NOT MEET THE CERTIFICATION REQUIREMENTS OF § 13-403(B) OF THIS
19 SUBTITLE BEFORE THE DEPARTMENT GRANTS THE PETITION FOR WAIVER.

20 (D) IF THE DEPARTMENT GRANTS A PETITION FOR A WAIVER, THE HEAD OF
21 THE UNIT AWARDING THE PROCUREMENT SHALL SUBMIT A WRITTEN AND SIGNED
22 STATEMENT THAT THE UNIT ACCEPTS THE RISKS RESULTING FROM USE OF THE
23 DEVICE WITH THE KNOWN VULNERABILITY AS REPRESENTED BY THE BIDDER OR
24 OFFEROR.

25 13-405.

26 (A) THE DEPARTMENT SHALL ADOPT REGULATIONS THAT DEFINE A SET OF
27 CONDITIONS THAT:

28 (1) ENSURE AN INTERNET-CONNECTED DEVICE THAT DOES NOT
29 COMPLY WITH THE CERTIFICATION REQUIREMENTS UNDER § 13-403(B) OF THIS
30 SUBTITLE CAN BE USED WITH A LEVEL OF SECURITY THAT IS EQUIVALENT TO THE
31 LEVEL OF SECURITY DESCRIBED IN THE CERTIFICATION REQUIREMENTS; AND

1 **(2) SHALL BE MET BEFORE A UNIT MAY AWARD A PROCUREMENT FOR**
2 **A NONCOMPLIANT DEVICE.**

3 **(B) IN ESTABLISHING THE SET OF CONDITIONS REQUIRED UNDER**
4 **SUBSECTION (A) OF THIS SECTION, THE DEPARTMENT, IN COORDINATION WITH**
5 **RELEVANT PARTNERS AND EXPERTS, MAY CONSIDER:**

6 **(1) THE USE OF NETWORK SEGMENTATION OR**
7 **MICRO-SEGMENTATION;**

8 **(2) THE ADOPTION OF SYSTEM-LEVEL SECURITY CONTROLS,**
9 **INCLUDING OPERATING SYSTEM CONTAINERS AND MICROSERVICES;**

10 **(3) THE USE OF MULTIFACTOR AUTHENTICATION; AND**

11 **(4) THE USE OF INTELLIGENT NETWORK SOLUTIONS AND EDGE**
12 **SYSTEMS, INCLUDING GATEWAYS, THAT CAN ISOLATE, DISABLE, OR REMEDIATE**
13 **CONNECTED DEVICES.**

14 **(C) THE DEPARTMENT, IN COORDINATION WITH RELEVANT PARTNERS AND**
15 **EXPERTS, MAY ADOPT ADDITIONAL REGULATIONS FOR MANAGEMENT AND USE OF**
16 **NONCOMPLIANT DEVICES DESIGNED TO ADDRESS THE LONG-TERM RISK OF USING**
17 **A NONCOMPLIANT INTERNET-CONNECTED DEVICE, INCLUDING:**

18 **(1) DEADLINES FOR REMOVAL, REPLACEMENT, OR DISABLING OF**
19 **NONCOMPLIANT DEVICES OR THE INTERNET CONNECTIVITY OF THE DEVICE; AND**

20 **(2) MINIMAL REQUIREMENTS FOR GATEWAY PRODUCTS TO ENSURE**
21 **THE INTEGRITY AND SECURITY OF THE NONCOMPLIANT DEVICES.**

22 **13-406.**

23 **(A) IF A UNIT USES A THIRD-PARTY SECURITY STANDARD FOR**
24 **INTERNET-CONNECTED DEVICES THAT PROVIDES AN EQUIVALENT OR GREATER**
25 **LEVEL OF SECURITY THAN THE STANDARDS PROVIDED BY THE CERTIFICATION**
26 **REQUIREMENTS UNDER § 13-403(B) OF THIS SUBTITLE, AS DETERMINED BY THE**
27 **DEPARTMENT IN ACCORDANCE WITH SUBSECTION (C) OF THIS SECTION, THE UNIT**
28 **MAY ALLOW A BIDDER OR AN OFFEROR TO DEMONSTRATE COMPLIANCE WITH THAT**
29 **STANDARD IN LIEU OF THE CERTIFICATION REQUIREMENTS.**

30 **(B) A UNIT THAT USES A THIRD-PARTY SECURITY STANDARD SHALL**
31 **REQUIRE A BIDDER OR AN OFFEROR FOR A PROCUREMENT TO PROVIDE AN**

1 INTERNET-CONNECTED DEVICE TO SUBMIT A WRITTEN CERTIFICATION THAT THE
2 DEVICE COMPLIES WITH THE SECURITY STANDARDS OF THE THIRD PARTY.

3 (C) THE DEPARTMENT, IN COORDINATION WITH OTHER APPROPRIATE
4 UNITS, SHALL DETERMINE:

5 (1) REQUIREMENTS FOR THIRD-PARTY SECURITY STANDARDS THAT
6 ARE EQUIVALENT TO THE CERTIFICATION REQUIREMENTS UNDER § 13-403(B) OF
7 THIS SUBTITLE; AND

8 (2) WHETHER THE THIRD-PARTY SECURITY STANDARDS PROVIDE
9 APPROPRIATE SECURITY AND ARE ALIGNED WITH REGULATIONS ISSUED BY THE
10 DEPARTMENT AS REQUIRED UNDER § 13-405 OF THIS SUBTITLE.

11 13-407.

12 (A) IF A UNIT USES A SECURITY EVALUATION PROCESS OR CRITERIA FOR
13 INTERNET-CONNECTED DEVICES THAT PROVIDE AN EQUIVALENT OR GREATER
14 LEVEL OF SECURITY THAN THE CERTIFICATION REQUIREMENTS UNDER § 13-403(B)
15 OF THIS SUBTITLE, AS DETERMINED BY THE DEPARTMENT UNDER SUBSECTION (B)
16 OF THIS SECTION, AN AGENCY MAY CONTINUE TO USE THAT PROCESS OR THOSE
17 CRITERIA IN LIEU OF THE CERTIFICATION REQUIREMENTS.

18 (B) THE DEPARTMENT, IN COORDINATION WITH OTHER APPROPRIATE
19 UNITS, SHALL DETERMINE WHETHER THE PROCESS OR CRITERIA USED BY THE UNIT
20 PROVIDE APPROPRIATE SECURITY AND ARE ALIGNED WITH THE REGULATIONS
21 ADOPTED BY THE DEPARTMENT AS REQUIRED UNDER § 13-405 OF THIS SUBTITLE.

22 13-408.

23 (A) EXCEPT AS PROVIDED IN SUBSECTION (B) OF THIS SECTION, A
24 CONTRACT BETWEEN A UNIT AND A CONTRACTOR FOR THE PROCUREMENT OF AN
25 INTERNET-CONNECTED DEVICE SHALL INCLUDE:

26 (1) A CLAUSE THAT REQUIRES THE CONTRACTOR PROVIDING THE
27 SOFTWARE OR FIRMWARE COMPONENT OF THE INTERNET-CONNECTED DEVICE TO
28 NOTIFY THE UNIT OF ANY KNOWN SECURITY VULNERABILITIES OR DEFECTS
29 SUBSEQUENTLY DISCLOSED TO THE CONTRACTOR BY A SECURITY RESEARCHER OR
30 THAT THE CONTRACTOR OTHERWISE BECOMES AWARE OF DURING THE DURATION
31 OF THE CONTRACT;

32 (2) A CLAUSE THAT REQUIRES THE INTERNET-CONNECTED DEVICE
33 SOFTWARE OR FIRMWARE TO BE UPDATED OR REPLACED, CONSISTENT WITH OTHER

1 PROVISIONS IN THE CONTRACT GOVERNING THE TERM OF SUPPORT, IN A MANNER
2 THAT ALLOWS FOR ANY FUTURE SECURITY VULNERABILITY OR DEFECT IN ANY PART
3 OF THE SOFTWARE OR FIRMWARE TO BE PATCHED IN ORDER TO FIX OR REMOVE A
4 VULNERABILITY OR DEFECT IN THE SOFTWARE OR FIRMWARE COMPONENT IN A
5 PROPERLY AUTHENTICATED MANNER;

6 (3) A CLAUSE THAT REQUIRES THE CONTRACTOR TO PROVIDE A
7 REPAIR OR REPLACEMENT IN A TIMELY MANNER FOR ANY NEW SECURITY
8 VULNERABILITY DISCOVERED THROUGH ANY OF THE DATABASES DESCRIBED IN §
9 13-403(B)(1) OF THIS SUBTITLE IN THE EVENT THE VULNERABILITY CANNOT BE
10 REMEDIATED THROUGH AN UPDATE DESCRIBED IN ITEM (2) OF THIS SUBSECTION;
11 AND

12 (4) A CLAUSE THAT REQUIRES THE CONTRACTOR TO PROVIDE THE
13 PURCHASING AGENCY WITH GENERAL INFORMATION ON THE ABILITY OF THE
14 DEVICE TO BE UPDATED, INCLUDING:

15 (I) THE MANNER IN WHICH THE DEVICE RECEIVES SECURITY
16 UPDATES;

17 (II) THE ANTICIPATED TIMELINE FOR ENDING SECURITY
18 SUPPORT ASSOCIATED WITH THE INTERNET-CONNECTED DEVICE;

19 (III) FORMAL NOTIFICATION WHEN SECURITY SUPPORT HAS
20 CEASED; AND

21 (IV) ANY ADDITIONAL INFORMATION RECOMMENDED BY THE
22 SECRETARY OF INFORMATION TECHNOLOGY.

23 (B) AFTER CONSULTATION WITH THE DEPARTMENT, A UNIT MAY ALTER
24 THE REQUIREMENTS OF SUBSECTION (A) OF THIS SECTION.

25 13-409.

26 (A) EXCEPT AS PROVIDED IN SUBSECTION (B) OF THIS SECTION, A UNIT MAY
27 ENTER INTO A CONTRACT OR ACCEPT A BID OR PROPOSAL ONLY FROM AN INTERNET
28 SERVICE PROVIDER THAT DOES NOT:

29 (1) BLOCK LAWFUL CONTENT, APPLICATIONS, SERVICES, OR
30 NONHARMFUL DEVICES, SUBJECT TO REASONABLE NETWORK MANAGEMENT;

31 (2) IMPAIR OR DEGRADE LAWFUL INTERNET TRAFFIC ON THE BASIS
32 OF INTERNET CONTENT, APPLICATION, OR SERVICE, OR USE OF A NONHARMFUL

1 **DEVICE, SUBJECT TO REASONABLE NETWORK MANAGEMENT; AND**

2 **(3) ENGAGE IN COMMERCIAL TRAFFIC PREFERENCING, INCLUDING**
3 **TRAFFIC SHAPING, PRIORITIZATION, RESOURCE RESERVATION, OR OTHER FORMS**
4 **OF PREFERENTIAL TRAFFIC MANAGEMENT, EITHER:**

5 **(I) IN EXCHANGE FOR CONSIDERATION FROM A THIRD PARTY;**
6 **OR**

7 **(II) TO BENEFIT AN AFFILIATED ENTITY.**

8 **(B) (1) THE BOARD MAY ESTABLISH A PROCESS TO ALLOW A UNIT TO**
9 **OBTAIN A WAIVER FROM COMPLYING WITH THE REQUIREMENTS OF SUBSECTION (A)**
10 **OF THIS SECTION.**

11 **(2) THE WAIVER PROCESS SHALL:**

12 **(I) INCLUDE A PUBLIC HEARING BEFORE THE BOARD; AND**

13 **(II) REQUIRE A MAJORITY VOTE OF THE MEMBERS OF THE**
14 **BOARD.**

15 **(3) THE BOARD SHALL PUBLISH PUBLIC NOTICE OF THE WAIVER ON**
16 **ITS WEBSITE WITHIN 48 HOURS OF ISSUANCE OF A WAIVER UNDER THIS**
17 **SUBSECTION.**

18 **(4) ON OR BEFORE NOVEMBER 1 EACH YEAR, THE BOARD SHALL**
19 **REPORT ON ALL WAIVERS ISSUED UNDER THIS SUBSECTION TO THE GENERAL**
20 **ASSEMBLY, IN ACCORDANCE WITH § 2-1246 OF THE STATE GOVERNMENT ARTICLE.**

21 **SECTION 2. AND BE IT FURTHER ENACTED, That:**

22 **(a) The Department of Information Technology shall adopt regulations in**
23 **accordance with Section 1 of this Act on or before October 1, 2019.**

24 **(b) In adopting regulations, the Department shall:**

25 **(1) include policies and procedures for conducting research on the**
26 **cybersecurity of an Internet-connected device, which shall be based, in part, on Standard**
27 **29147 of the International Standards Organization, or any successor standard, relating to**
28 **the processing and resolving of potential vulnerability information in a product or online**
29 **service, including procedures for a contractor or vendor providing an Internet-connected**
30 **device to the State on how to:**

31 **(i) receive information about potential vulnerabilities in the product**

1 or online service of the contractor or vendor; and

2 (ii) disseminate resolution information about vulnerabilities in the
3 product or online service of the contractor or vendor; and

4 (2) include a requirement that research on the cybersecurity of an
5 Internet-connected device provided by a contractor to the State shall be conducted on the
6 same class, model, or type of device provided to the State and not on the actual device
7 provided to the State.

8 SECTION 3. AND BE IT FURTHER ENACTED, That nothing in this Act shall be
9 construed to establish additional obligations or criminal penalties for individuals engaged
10 in researching the cybersecurity of Internet-connected devices.

11 SECTION 4. AND BE IT FURTHER ENACTED, That this Act shall take effect
12 October 1, 2018.