

114TH CONGRESS
2D SESSION

H. R. 6473

To express the sense of Congress that information security is critical to the economic security of the United States and to direct the Assistant Secretary of Commerce for Communications and Information to submit to Congress a report on the costs of information security.

IN THE HOUSE OF REPRESENTATIVES

DECEMBER 7, 2016

Mr. UPTON introduced the following bill; which was referred to the Committee on Energy and Commerce

A BILL

To express the sense of Congress that information security is critical to the economic security of the United States and to direct the Assistant Secretary of Commerce for Communications and Information to submit to Congress a report on the costs of information security.

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. SENSE OF CONGRESS ON INFORMATION SECU-**
4 **RITY.**

5 It is the sense of Congress that—

1 (1) information is vital to all industries of the
2 United States for domestic and international com-
3 merce;

4 (2) the modern United States economy relies
5 increasingly on digital information systems; and

6 (3) information security is therefore critical to
7 the economic security of the United States and
8 should be protected in a manner that continues to
9 promote economic growth.

10 **SEC. 2. NTIA REPORT ON COSTS OF INFORMATION SECUR-**
11 **ITY TO UNITED STATES ECONOMY.**

12 (a) IN GENERAL.—Not later than 2 years after the
13 date of the enactment of this Act, the Assistant Secretary
14 of Commerce for Communications and Information shall
15 submit to Congress a report on the direct and indirect
16 costs of information security to the economy of the United
17 States. In preparing such report, the Assistant Secretary
18 shall use existing commercial indices and other publicly
19 available information.

20 (b) REQUIRED CONSIDERATIONS.—The report re-
21 quired by subsection (a) shall contain an estimate of the
22 costs described in such subsection. In preparing such esti-
23 mate, the Assistant Secretary shall consider costs that in-
24 clude the cost of—

25 (1) keeping information systems secure;

1 (2) actions necessary to mitigate compromise of
2 information systems;

3 (3) measures used to hedge against such com-
4 promise; and

5 (4) economic loss or harm caused by such com-
6 promise.

7 **SEC. 3. DEFINITIONS.**

8 In this Act:

9 (1) INFORMATION SECURITY.—The term “infor-
10 mation security” means protecting information and
11 information systems from unauthorized access, use,
12 disclosure, disruption, modification, or destruction in
13 order to provide—

14 (A) integrity, which means guarding
15 against improper information modification or
16 destruction, and includes ensuring information
17 nonrepudiation and authenticity;

18 (B) confidentiality, which means pre-
19 serving authorized restrictions on access and
20 disclosure, including means for protecting per-
21 sonal privacy and proprietary information;

22 (C) availability, which means ensuring
23 timely and reliable access to and use of infor-
24 mation; and

1 (D) authentication, which means utilizing
2 digital credentials to assure the identity of
3 users and validate their access.

4 (2) INFORMATION SYSTEM.—The term “infor-
5 mation system” means any equipment or inter-
6 connected system or subsystems of equipment that is
7 used in the automatic acquisition, storage, manipula-
8 tion, management, movement, control, display,
9 switching, interchange, transmission, or reception of
10 data or information, and includes—

11 (A) networks and computers and other
12 network-enabled devices;

13 (B) ancillary equipment;

14 (C) software, firmware, and related proce-
15 dures;

16 (D) services, including support services;

17 and

18 (E) related resources.

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