

114TH CONGRESS
1ST SESSION

S. _____

To require Inspectors General and the Comptroller General of the United States to submit reports on the use of logical access controls and other security practices to safeguard classified and personally identifiable information on Federal computer systems, and for other purposes.

IN THE SENATE OF THE UNITED STATES

Mr. HATCH (for himself and Mr. CARPER) introduced the following bill; which was read twice and referred to the Committee on _____

A BILL

To require Inspectors General and the Comptroller General of the United States to submit reports on the use of logical access controls and other security practices to safeguard classified and personally identifiable information on Federal computer systems, 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.**

4 This Act may be cited as the “Federal Computer Se-
5 curity Act”.

1 **SEC. 2. DEFINITIONS.**

2 In this Act:

3 (1) AGENCY.—The term “agency” has the
4 meaning given the term in section 3502 of title 44,
5 United States Code.

6 (2) COVERED AGENCY.—The term “covered
7 agency” means an agency that operates a Federal
8 computer system that provides access to classified
9 information or personally identifiable information.

10 (3) LOGICAL ACCESS CONTROL.—The term
11 “logical access control” means a process of granting
12 or denying specific requests to obtain and use infor-
13 mation and related information processing services.

14 (4) MULTI-FACTOR LOGICAL ACCESS CON-
15 TROLS.—The term “multi-factor logical access con-
16 trols” means a set of not less than 2 of the following
17 logical access controls:

18 (A) Information that is known to the user,
19 such as a password or personal identification
20 number.

21 (B) An access device that is provided to
22 the user, such as a cryptographic identification
23 device or token.

24 (C) A unique biometric characteristic of
25 the user.

1 **SEC. 3. INSPECTOR GENERAL REPORT ON FEDERAL COM-**
2 **PUTER SYSTEMS.**

3 (a) IN GENERAL.—Not later than 240 days after the
4 date of enactment of this Act, the Inspector General of
5 each covered agency shall each submit to the Comptroller
6 General of the United States and the appropriate commit-
7 tees of jurisdiction in the Senate and the House of Rep-
8 resentatives a report, which shall include information col-
9 lected from the covered agency for the contents described
10 in subsection (b) regarding the Federal computer systems
11 of the covered agency.

12 (b) CONTENTS.—The report submitted by each In-
13 spector General of a covered agency under subsection (a)
14 shall include, with respect to the covered agency, the fol-
15 lowing:

16 (1) A description of the logical access standards
17 used by the covered agency to access a Federal com-
18 puter system that provides access to classified or
19 personally identifiable information, including—

20 (A) in aggregate, a list and description of
21 logical access controls used to access such a
22 Federal computer system; and

23 (B) whether the covered agency is using
24 multi-factor logical access controls to access
25 such a Federal computer system.

1 (2) If the covered agency does not use logical
2 access controls or multi-factor logical access controls
3 to access a Federal computer system that provides
4 access to classified or personally identifiable infor-
5 mation, a description of the reasons for not using
6 such logical access controls or multi-factor logical
7 access controls.

8 (3) A description of the following data security
9 management practices used by the covered agency:

10 (A) The policies and procedures followed to
11 conduct inventories of the software present on
12 the Federal computer systems of the covered
13 agency and the licenses associated with such
14 software.

15 (B) Whether the covered agency has en-
16 tered into a licensing agreement for the use of
17 software security controls to monitor and detect
18 exfiltration and other threats, including—

19 (i) data loss prevention software; or
20 (ii) digital rights management soft-
21 ware.

22 (C) A description of how the covered agen-
23 cy is using software described in subparagraph
24 (B).

1 (D) If the covered agency has not entered
2 into a licensing agreement for the use of, or is
3 otherwise not using, software described in sub-
4 paragraph (B), a description of the reasons for
5 not entering into such a licensing agreement or
6 using such software.

7 (4) A description of the policies and procedures
8 of the covered agency with respect to ensuring that
9 entities, including contractors, that provide services
10 to the covered agency are implementing the data se-
11 curity management practices described in paragraph
12 (3).

13 (c) EXISTING REVIEW.—The report required under
14 this section may be based in whole or in part on an audit,
15 evaluation, or report relating to programs or practices of
16 the covered agency, and may be submitted as part of an-
17 other report, including the report required under section
18 3555 of title 44, United States Code.

19 (d) CLASSIFIED INFORMATION.—A report submitted
20 under this section shall be in unclassified form, but may
21 include a classified annex.

22 (e) AVAILABILITY TO MEMBERS OF CONGRESS.—A
23 report submitted under this section shall be made available
24 upon request by any Member of Congress.

1 **SEC. 4. GAO ECONOMIC ANALYSIS AND REPORT ON FED-**
2 **ERAL COMPUTER SYSTEMS.**

3 (a) **REPORT.**—Not later than 1 year after the date
4 of enactment of this Act, the Comptroller General of the
5 United States shall submit to Congress a report exam-
6 ining, including an economic analysis of, any impediments
7 to agency use of effective security software and security
8 devices.

9 (b) **CLASSIFIED INFORMATION.**—A report submitted
10 under this section shall be in unclassified form, but may
11 include a classified annex.