

119TH CONGRESS
1ST SESSION

H. R. 4920

To require modernization of information technology systems and applications of the Bureau of Industry and Security of the Department of Commerce.

IN THE HOUSE OF REPRESENTATIVES

AUGUST 8, 2025

Mr. CROW (for himself, Mr. KEAN, Mr. MEEKS, and Ms. KAMLAGER-DOVE) introduced the following bill; which was referred to the Committee on Foreign Affairs

A BILL

To require modernization of information technology systems and applications of the Bureau of Industry and Security of the Department of Commerce.

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 “Bureau of Industry
5 and Security Information Technology Modernization Act”
6 or the “BIS IT Modernization Act”.

1 **SEC. 2. MODERNIZATION OF INFORMATION TECHNOLOGY**
2 **SYSTEMS AND APPLICATIONS OF THE BU-**
3 **REAU OF INDUSTRY AND SECURITY.**

4 (a) SENSE OF CONGRESS.—It is the sense of Con-
5 gress that the effective use of Bureau authorities requires
6 that—

7 (1) the Bureau adopt and deploy cutting-edge
8 data fusion, analytics, and decision-making capabili-
9 ties, as well as supply chain illumination tools and
10 additional commercial data sets, to streamline and
11 standardize the export license adjudication process,
12 better assess global industrial relationships, enhance
13 the evaluation of information and communications
14 technologies and services, identify dual use items of
15 concern for control, and identify evasive trade pat-
16 terns and shell companies being used by adversary
17 militaries;

18 (2) the Bureau expand and scale up the adop-
19 tion and use of modern data sharing interfaces and
20 capabilities to share data safely and efficiently with
21 industry, Federal agencies, and international part-
22 ners;

23 (3) Bureau information technology systems
24 should over time enable the incorporation of artifi-
25 cial intelligence, machine learning, and other ad-
26 vanced tools as technologies evolve;

1 (4) the Bureau expedite Entity List, Military
2 End User List, and Unverified List deliberations
3 tied to countries of concern and enforcement activi-
4 ties related to tracking military end users and end
5 uses in countries of concern, including the People’s
6 Republic of China (PRC), Russia, and Iran;

7 (5) the Bureau work with relevant agencies to
8 comprehensively map the PRC defense industrial
9 base and its military civil fusion strategy; and

10 (6) the Bureau work with relevant agencies to
11 comprehensively map the commercial linkages be-
12 tween the industrial bases of the PRC, Russia,
13 North Korea, Iran, and other countries of concern.

14 (b) IN GENERAL.—Subject to the availability of ap-
15 propriations, the Under Secretary of Commerce for Indus-
16 try and Security shall, on an ongoing basis through fiscal
17 year 2030, modernize the information technology systems
18 of the Bureau.

19 (c) ELEMENTS.—In carrying out subsection (b), the
20 Under Secretary should—

21 (1) replace the Bureau’s primary information
22 technology systems with a unified environment
23 that—

1 (A) allows for deployment of a seamless
2 case and customer relationship management in-
3 formation technology solution; and

4 (B) provides analysis of data obtained
5 from external data providers that is collected by
6 trade transactions and other sources as appro-
7 priate;

8 (2) adopt and deploy cutting-edge data fusion,
9 analytics, and decision-making capabilities, as well
10 as supply chain illumination tools, and additional
11 commercial data sets to streamline and standardize
12 the export license adjudication process, and better
13 assess global industrial relationships;

14 (3) enhance the processes that maintain a list
15 of foreign persons determined to be a threat to the
16 national security and foreign policy of the United
17 States, which support Entity List deliberations and,
18 enforcement activities, such as tracking military end
19 users and end uses and identifying evasive trade pat-
20 terns and shell companies; and

21 (4) expand and scale up the adoption and use
22 of modern data sharing interfaces and capabilities to
23 share the appropriate data elements safely and effi-
24 ciently with industry, Federal agencies, including the
25 intelligence community, and international partners.

1 (d) OBJECTIVES.—Before any informational tech-
2 nology solutions are adopted with respect to the elements
3 in subsection (c), such solutions should be analyzed based
4 on their ability to—

5 (1) enhance productivity and efficiency, includ-
6 ing by reducing the need for manual review and
7 processing of data;

8 (2) reduce redundancies and manage costs;

9 (3) enhance the overall data and cyber security
10 of Bureau systems and underlying information tech-
11 nology infrastructure;

12 (4) facilitate seamless and safe sharing of ap-
13 propriate data with relevant stakeholders and part-
14 ners;

15 (5) facilitate seamless data sharing with rel-
16 evant agencies and the intelligence community; and

17 (6) enhance the ease of access and user experi-
18 ence for United States parties that are utilizing Bu-
19 reau systems.

20 (e) PERSONNEL ASSESSMENT.—The Under Sec-
21 retary should—

22 (1) reassess staffing and personnel needs across
23 the Bureau throughout the modernization process
24 described in this section; and

1 (2) consult with Congress on whether additional
2 or less personnel may be most effective for utilizing
3 modern applications and systems.

4 (f) AUTHORIZATION OF APPROPRIATIONS.—There
5 are authorized to be appropriated \$25,000,000 for each
6 of the fiscal years 2026 through 2029 to carry out this
7 Act.

8 (g) DEFINITIONS.—In this Act:

9 (1) APPROPRIATE CONGRESSIONAL COMMIT-
10 TEES.—The term “appropriate congressional com-
11 mittees” means—

12 (A) the Committee on Foreign Affairs of
13 the House of Representatives; and

14 (B) the Committee on Banking, Housing,
15 and Urban Affairs of the Senate.

16 (2) BUREAU.—The term “Bureau” means the
17 Bureau of Industry and Security of the Department
18 of Commerce.

19 (3) ENTITY LIST.—The term “Entity List”
20 means the list maintained by the Bureau and set
21 forth in Supplement No. 4 to part 744 of title 15,
22 Code of Federal Regulations.

1 (4) UNDER SECRETARY.—The term “Under
2 Secretary” means the Under Secretary of Commerce
3 for Industry and Security.

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