

118TH CONGRESS  
2D SESSION

# H. R. 9247

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

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IN THE HOUSE OF REPRESENTATIVES

AUGUST 2, 2024

Mr. CROW (for himself, Mr. ISSA, and Mr. MEEKS) introduced the following  
bill; which was referred to the Committee on Foreign Affairs

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## A BILL

To require modernization of information technology systems  
and applications of the Bureau of Industry and 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. 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 export controls requires  
6 that—

7 (1) the Bureau of Industry and Security of the  
8 Department of Commerce adopt and deploy cutting-  
9 edge data fusion, analytics, and decision-making ca-  
10 pabilities, as well as supply chain illumination tools,  
11 and additional commercial data sets to streamline  
12 and standardize the export license adjudication proc-  
13 ess, better assess global industrial relationships, and  
14 identify evasive trade patterns and shell companies  
15 being used by adversary militaries;

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

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

25 (4) the Bureau expedite Entity List delibera-  
26 tions tied to countries of concern and enforcement

1 activities related to tracking military end users and  
2 end uses in countries of concern including the Peo-  
3 ple’s Republic of China (PRC), Russia, and Iran;

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

7 (6) the Bureau work with relevant agencies to  
8 comprehensively map the commercial linkages be-  
9 tween the industrial bases of the PRC and Russia.

10 (b) IN GENERAL.—Subject to the availability of ap-  
11 propriations, the Under Secretary of Commerce for Indus-  
12 try and Security shall, on an ongoing basis through fiscal  
13 year 2029, modernize the information technology systems  
14 of the Bureau of Industry and Security of the Department  
15 of Commerce.

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

18 (1) replace the Bureau’s primary information  
19 technology systems with a unified environment  
20 that—

21 (A) allows for deployment of a seamless  
22 case and customer relationship management in-  
23 formation technology solution; and

24 (B) provides analysis of data obtained  
25 from external data providers that is collected by

1 trade transactions and other sources as appro-  
2 priate;

3 (2) adopt and deploy cutting-edge data fusion,  
4 analytics, and decision-making capabilities, as well  
5 as supply chain illumination tools, and additional  
6 commercial data sets to streamline and standardize  
7 the export license adjudication process, better assess  
8 global industrial relationships, enhance Entity List  
9 deliberations, support enforcement activities, includ-  
10 ing by tracking military end users and end uses, and  
11 identify evasive trade patterns and shell companies;  
12 and

13 (3) expand and scale up the adoption and use  
14 of modern data sharing interfaces and capabilities to  
15 share data safely and efficiently with industry, Fed-  
16 eral agencies, and international partners.

17 (d) OBJECTIVES.—Before any technology solutions  
18 are adopted with respect to the elements in subsection (c),  
19 such solutions should be analyzed based on their ability  
20 to—

21 (1) enhance productivity and efficiency, includ-  
22 ing by reducing the need for manual review and  
23 processing of data;

24 (2) reduce redundancies and manage costs;

1           (3) enhance the overall data and cyber security  
2 of Bureau systems;

3           (4) facilitate seamless and safe sharing of ap-  
4 propriate data with relevant stakeholders and part-  
5 ners;

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

8           (6) enhance the ease of access and user experi-  
9 ence for United States exporters that are utilizing  
10 Bureau systems.

11       (e) PERSONNEL ASSESSMENT.—The Under Sec-  
12 retary should—

13           (1) reassess staffing and personnel needs across  
14 the Bureau throughout the modernization process  
15 described in this Act; and

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

19       (f) AUTHORIZATION OF APPROPRIATIONS.—There  
20 are authorized to be appropriated \$25,000,000 for each  
21 of the fiscal years 2025 through 2028 to carry out this  
22 Act.

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