

119TH CONGRESS  
2D SESSION

# H. R. 8819

To require Federal agencies to use the Artificial Intelligence Risk Management Framework developed by the National Institute of Standards and Technology with respect to the use of artificial intelligence.

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## IN THE HOUSE OF REPRESENTATIVES

MAY 14, 2026

Mr. LIEU (for himself, Mr. NUNN of Iowa, and Mr. BEYER) introduced the following bill; which was referred to the Committee on Science, Space, and Technology

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## A BILL

To require Federal agencies to use the Artificial Intelligence Risk Management Framework developed by the National Institute of Standards and Technology with respect to the use of artificial intelligence.

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 Artificial Intel-  
5       ligence Risk Management Act of 2026”.

1 **SEC. 2. STANDARDS FOR ARTIFICIAL INTELLIGENCE SYS-**  
2 **TEMS.**

3 (a) IN GENERAL.—Title LIII of division E of the  
4 William M. (Mac) Thornberry National Defense Author-  
5 ization Act for Fiscal Year 2021 (Public Law 116–283)  
6 is amended by adding at the end the following new section:

7 **“SEC. 5304. STANDARDS FOR ARTIFICIAL INTELLIGENCE**  
8 **SYSTEMS.**

9 “(a) IN GENERAL.—The Director of the National In-  
10 stitute of Standards and Technology, in consultation with  
11 the Director of the Office of Management and Budget and  
12 the heads of other Federal agencies, as appropriate,  
13 shall—

14 “(1) develop Federal standards and guidelines,  
15 including minimum requirements, for artificial intel-  
16 ligence systems used or operated by an agency or by  
17 a contractor of an agency or other organization on  
18 behalf of an agency, other than national security  
19 systems (as defined in section 3552(b)(6) of title 44,  
20 United States Code);

21 “(2) develop standards and guidelines, includ-  
22 ing minimum requirements, for managing risks asso-  
23 ciated with the trustworthiness of artificial intel-  
24 ligence systems for all agency operations and assets,  
25 but such standards and guidelines shall not apply to  
26 national security systems;

1           “(3) develop standards and guidelines, includ-  
2           ing minimum requirements, for authenticating,  
3           tracking provenance of, and labeling synthetic con-  
4           tent generated by an agency or by a contractor of  
5           an agency or other organization on behalf of an  
6           agency, other than national security systems; and

7           “(4) conduct research and analysis pursuant to  
8           section 5301 of this Act to inform the development  
9           of standards and guidelines for activities described  
10          in this section.

11          “(b) STANDARDS AND GUIDELINES.—In developing  
12          the standards and guidelines required by subsections (a),  
13          the Director shall—

14               “(1) provide standards, guidelines, and best  
15               practices consistent with the framework established  
16               under section 22A(c) of the National Institute of  
17               Standards and Technology Act (15 U.S.C. 278h–  
18               1(c)), as appropriate, and tools that Federal agen-  
19               cies can use to leverage the framework to reduce  
20               risks caused by agency implementation in the devel-  
21               opment, procurement, and use of artificial intel-  
22               ligence systems;

23               “(2) to the extent practicable, provide stand-  
24               ards and guidelines that—

1           “(A) are consistent with the framework,  
2           successor document, or Federal standard that is  
3           functionally equivalent to the framework;

4           “(B) are consistent with Circular A–119 of  
5           the Office of Management and Budget; and

6           “(C) enable conformity assessment;

7           “(3) recommend training on standards and  
8           guidelines for each agency responsible for procuring  
9           artificial intelligence systems;

10          “(4) identify or develop, and as appropriate pe-  
11          riodically revise, performance indicators and meas-  
12          ures that support the implementation of standards  
13          and guidelines for agency artificial intelligence sys-  
14          tems;

15          “(5) provide guidelines for developing profiles  
16          for agency use of artificial intelligence systems con-  
17          sistent with the framework;

18          “(6) evaluate policies and practices developed  
19          for artificial intelligence systems that are national  
20          security systems to assess potential application by  
21          agencies to strengthen risk management of artificial  
22          intelligence systems; and

23          “(7) periodically assess the effectiveness of  
24          standards and guidelines developed under this sec-  
25          tion and undertake revisions as appropriate.

1       “(c) READINESS.—For standards and guidelines de-  
2       veloped pursuant to subsection (a) that are deemed by the  
3       Director to be at a readiness level sufficient for widespread  
4       adoption by Federal agencies, the Director—

5               “(1) shall submit said Federal standards and  
6       guidelines to the Secretary of Commerce for promul-  
7       gation under section 11331 of title 40, United  
8       States Code;

9               “(2) where practicable and appropriate, shall  
10      provide technical review and assistance to Federal  
11      agencies, including assisting Federal agencies in as-  
12      sessing the effectiveness and sufficiency of imple-  
13      mentation of standards and guidelines developed  
14      under this section; and

15              “(3) shall evaluate the effectiveness and suffi-  
16      ciency of, and challenges to, Federal agencies imple-  
17      mentation of Federal standards and guidelines devel-  
18      oped under this section and Federal standards and  
19      guidelines promulgated under section 11331 of title  
20      40, United States Code.

21      “(d) TESTING AND EVALUATION OF ARTIFICIAL IN-  
22      TELLIGENCE ACQUISITIONS.—

23              “(1) STUDY.—Subject to the availability of ap-  
24      propriations, the Director shall conduct a gap anal-  
25      ysis to review the existing and forthcoming voluntary

1 technical standards for the testing, evaluation,  
2 verification, and validation related to acquisitions of  
3 an artificial intelligence system or service.

4 “(2) STANDARDS FOR TESTING AND EVALUA-  
5 TION.—After the date of the completion of the study  
6 required by paragraph (1), the Director shall—

7 “(A) convene relevant stakeholders to fa-  
8 cilitate the development of standards for the  
9 testing, evaluation, verification, and validation  
10 related to acquisitions of an artificial intel-  
11 ligence system or service;

12 “(B) develop and periodically update  
13 standards and guidelines for testing, evaluation,  
14 verification, and validation related to acquisi-  
15 tions of an artificial intelligence system or serv-  
16 ice pursuant to subsection (a); and

17 “(C) when determined by the Director to  
18 be at a readiness level sufficient for widespread  
19 adoption by Federal agencies, submit standards  
20 and guidelines to the Secretary of Commerce  
21 for promulgation under section 11331 of title  
22 40, United States Code.

23 “(3) REPORT.—Not later than 90 days after  
24 the date on which the Director conducts the analysis  
25 described in paragraph (1), the Director shall sub-

mit a report to the Committee on Science, Space,  
and Technology of the House of Representatives and  
the Committee on Commerce, Science, and Transportation of the Senate that includes—

“(A) the gap analysis described in paragraph (1); and

“(B) a plan for activities described in paragraph (2).

“(e) DEFINITIONS.—In this section:

“(1) AGENCY.—The term ‘agency’ means any department, independent establishment, Government corporation, or other agency of the executive branch of the Federal Government.

“(2) ARTIFICIAL INTELLIGENCE SYSTEM.—The term ‘artificial intelligence system’ means—

“(A) any system that meets the definition given the term ‘artificial intelligence’ in section 5002 of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (15 U.S.C. 9401); or

“(B) any data system, software, hardware, application, tool, or utility that operates, in whole or in part, using a system described by subparagraph (A).

1           “(4) DIRECTOR.—The term ‘Director’ means  
2           the Director of the National Institute of Standards  
3           and Technology.

4           “(5) FRAMEWORK.—The term ‘framework’  
5           means document number NIST AI 100–1 of the Na-  
6           tional Institute of Standards and Technology enti-  
7           tled ‘Artificial Intelligence Risk Management Frame-  
8           work’, or any successor document.

9           “(6) PROFILE.—The term ‘profile’ means an  
10          implementation of the artificial intelligence risk  
11          management functions, categories, and subcategories  
12          for a specific setting or application based on the re-  
13          quirements, risk tolerance, and resources of the  
14          framework user.

15          “(7) SYNTHETIC CONTENT.—The term ‘syn-  
16          thetic content’ means information, such as images,  
17          videos, audio clips, and text, that has been signifi-  
18          cantly modified or generated by algorithms, includ-  
19          ing by artificial intelligence systems.”.

20          (b) CLERICAL AMENDMENT.—The table of contents  
21          in section 2 and title LIII of division E of the William  
22          M. (Mac) Thornberry National Defense Authorization Act  
23          for Fiscal Year 2021 (Public Law 116–283) are each



- 1 amended by inserting after the item relating to section
- 2 5303 the following new item:

“Sec. 5304. Standards for artificial intelligence systems.”.

