

119TH CONGRESS  
1ST SESSION

# S. 1492

To require the Secretary of Commerce support the leadership of the United States with respect to the deployment, use, application, and competitiveness of blockchain technology, and for other purposes.

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## IN THE SENATE OF THE UNITED STATES

APRIL 10, 2025

Mr. MORENO (for himself, Ms. BLUNT ROCHESTER, and Mr. SHEEHY) introduced the following bill; which was read twice and referred to the Committee on Commerce, Science, and Transportation

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## A BILL

To require the Secretary of Commerce support the leadership of the United States with respect to the deployment, use, application, and competitiveness of blockchain technology, 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 “Deploying American  
5       Blockchains Act of 2025”.

6       **SEC. 2. DEFINITIONS.**

7       In this Act:

(1) ADVISORY COMMITTEE.—The term “Advisory Committee” means the National Blockchain Deployment Advisory Committee established pursuant to section 603(c).

(2) BLOCKCHAIN TECHNOLOGY OR OTHER DISTRIBUTED LEDGER TECHNOLOGY.—The term “blockchain technology or other distributed ledger technology” means a distributed digital database where data is—

(A) shared across a network of computers to create a ledger of verified information among network participants;

(B) linked using cryptography to maintain the integrity of the ledger and to execute other functions; and

(C) distributed among network participants in an automated fashion to concurrently update network participants on the state of the ledger and other functions.

(3) COVERED NONGOVERNMENTAL REPRESENTATIVE.—The term “covered nongovernmental representative” means a representative as specified in the second sentence of section 135(b)(1) of the Trade Act of 1974 (19 U.S.C. 2155(b)(1)), except

1       that such term does not include a representative of  
2       a non-Federal government.

3           (4) SECRETARY.—The term “Secretary” means  
4       the Secretary of Commerce.

5           (5) STATE.—The term “State” means each of  
6       the several States, the District of Columbia, each  
7       commonwealth, territory, or possession of the United  
8       States, and each federally recognized Indian Tribe.

9           (6) TOKEN.—The term “token” means a trans-  
10      ferable, digital representation of information re-  
11      corded on blockchain technology or other distributed  
12      ledger technology.

13          (7) TOKENIZATION.—The term “tokenization”  
14      means the process of creating a token.

15   **SEC. 3. DEPARTMENT OF COMMERCE LEADERSHIP ON**  
16                   **BLOCKCHAIN.**

17          (a) FUNCTION OF SECRETARY.—The Secretary shall  
18      serve as a principal advisor to the President for policy per-  
19      taining to the deployment, use, application, and competi-  
20      tiveness of blockchain technology or other distributed ledg-  
21      er technology, applications built on blockchain technology  
22      or other distributed ledger technology, tokens, and  
23      tokenization.

24          (b) ACTIVITIES.—The Secretary shall support the  
25      leadership of the United States with respect to the deploy-

1 ment, use, application, and competitiveness of blockchain  
2 technology or other distributed ledger technology, applica-  
3 tions built on blockchain technology or other distributed  
4 ledger technology, tokens, and tokenization by organizing  
5 the Advisory Committee—

6           (1) to examine and to provide recommendations  
7           on issues and risks relating to the deployment, use,  
8           application, and competitiveness of blockchain tech-  
9           nology or other distributed ledger technology, appli-  
10          cations built on blockchain technology or other dis-  
11          tributed ledger technology, tokens, and tokenization,  
12          including the issues of decentralized identity, cyber-  
13          security, key storage and security systems, artificial  
14          intelligence, fraud reduction, regulatory compliance,  
15          e-commerce, health care applications, and supply  
16          chain resiliency;

17          (2) to support and to promote the improvement  
18          and security of blockchain technology or other dis-  
19          tributed ledger technology, applications built on  
20          blockchain technology or other distributed ledger  
21          technology, tokens, and tokenization;

22          (3) to help to promote the leadership of the  
23          United States with respect to the deployment, use,  
24          application, and competitiveness of blockchain tech-  
25          nology or other distributed ledger technology, appli-

1 cations built on blockchain technology or other dis-  
2 tributed ledger technology, tokens, and tokenization;

3 (4) to promote the national security of the  
4 United States with respect to blockchain technology  
5 or other distributed ledger technology, applications  
6 built on blockchain technology or other distributed  
7 ledger technology, tokens, and tokenization;

8 (5) to support engagement with the public to  
9 develop a compendium of proposals for practices as  
10 part of the work described in subsection (d);

11 (6) to consider policies to encourage coordina-  
12 tion among Federal agencies with respect to the de-  
13 ployment of blockchain technology or other distrib-  
14 uted ledger technology, applications built on  
15 blockchain technology or other distributed ledger  
16 technology, tokens, and tokenization;

17 (7) to examine—

18 (A) how Federal agencies can benefit from  
19 utilizing blockchain technology or other distrib-  
20 uted ledger technology, applications built on  
21 blockchain technology or other distributed ledg-  
22 er technology, tokens, and tokenization;

23 (B) the current use by Federal agencies of  
24 blockchain technology or other distributed ledg-  
25 er technology, applications built on blockchain

1 technology or other distributed ledger tech-  
2 nology, tokens, and tokenization;

3 (C) the current and future preparedness  
4 and ability of Federal agencies to adopt  
5 blockchain technology or other distributed ledg-  
6 er technology, applications built on blockchain  
7 technology or other distributed ledger tech-  
8 nology, tokens, and tokenization; and

9 (D) additional security measures Federal  
10 agencies may need to take—

11 (i) to securely use blockchain tech-  
12 nology or other distributed ledger tech-  
13 nology, applications built on blockchain  
14 technology or other distributed ledger tech-  
15 nology, tokens, and tokenization, including  
16 to support the security of critical infra-  
17 structure; and

18 (ii) to enhance the resiliency of Fed-  
19 eral systems against cyber threats to  
20 blockchain technology or other distributed  
21 ledger technology, applications built on  
22 blockchain technology or other distributed  
23 ledger technology, tokens, and  
24 tokenization; and

1           (8) to support coordination of the activities of  
2           the Federal Government relating to the security of  
3           blockchain technology and other distributed ledger  
4           technology, applications built on blockchain tech-  
5           nology or other distributed ledger technology, to-  
6           kens, and tokenization.

7           (c) ESTABLISHMENT OF NATIONAL BLOCKCHAIN  
8 DEPLOYMENT ADVISORY COMMITTEE.—

9           (1) ESTABLISHMENT.—

10           (A) IN GENERAL.—Not later than 180  
11           days after the date of the enactment of this  
12           Act, the Secretary shall, in consultation with  
13           the heads of relevant Federal agencies, establish  
14           an advisory committee to support the adoption  
15           of blockchain technology or other distributed  
16           ledger technology, applications built on  
17           blockchain technology or other distributed ledg-  
18           er technology, tokens, and tokenization.

19           (B) DESIGNATION.—The advisory com-  
20           mittee established pursuant to subparagraph  
21           (A) shall be known as the “National Blockchain  
22           Deployment Advisory Committee”.

23           (2) MEMBERSHIP COMPOSITION.—The Advisory  
24           Committee shall consist of members appointed by  
25           the Secretary, which shall include—

1 (A) the Secretary;

2 (B) representatives of Federal agencies (as  
3 determined necessary by the Secretary); and

4 (C) covered nongovernmental representa-  
5 tives with expertise related to blockchain tech-  
6 nology or other distributed ledger technology  
7 (as determined necessary by the Secretary),  
8 which may include—

9 (i) blockchain technology or other dis-  
10 tributed ledger technology infrastructure  
11 operators, suppliers, service providers, and  
12 vendors;

13 (ii) application developers building on  
14 blockchain technology or other distributed  
15 ledger technology;

16 (iii) developers and organizations sup-  
17 porting the advancement and deployment  
18 of public blockchain technology or other  
19 distributed ledger technology;

20 (iv) subject matter experts rep-  
21 resenting industrial sectors that can ben-  
22 efit from blockchain technology or other  
23 distributed ledger technology;

24 (v) small, medium, and large busi-  
25 nesses;



- 1 (vi) think tanks and academia;
- 2 (vii) nonprofit organizations and con-
- 3 sumer groups;
- 4 (viii) cybersecurity experts;
- 5 (ix) rural stakeholders;
- 6 (x) covered nongovernmental rep-
- 7 resentatives; and
- 8 (xi) artists and the content creator
- 9 community.

10 (3) TERMINATION OF ADVISORY COMMITTEE.—

11 The Advisory Committee shall terminate on the date  
 12 that is 7 years after the date of the enactment of  
 13 this Act.

14 (d) BEST PRACTICES.—The Secretary shall, on an  
 15 ongoing basis, facilitate and support the development of  
 16 a compendium of identified or recommended guidelines or  
 17 best practices for the deployment of blockchain technology  
 18 or other distributed ledger technology, applications built  
 19 on blockchain technology or other distributed ledger tech-  
 20 nology, tokens, and tokenization that—

- 21 (1) support the deployment of technologies
- 22 needed to advance the capabilities of blockchain
- 23 technology or other distributed ledger technology,
- 24 applications built on blockchain technology or other

1 distributed ledger technology, tokens, and  
2 tokenization;

3 (2) support the interoperability of blockchain  
4 technology or other distributed ledger technology,  
5 applications built on blockchain technology or other  
6 distributed ledger technology, tokens, and  
7 tokenization;

8 (3) support operations, including hashing and  
9 key storage and security systems, that form the  
10 foundation of blockchain technology or other distrib-  
11 uted ledger technology, applications built on  
12 blockchain technology or other distributed ledger  
13 technology, tokens, and tokenization;

14 (4) reduce cybersecurity risks that may com-  
15 promise blockchain technology or other distributed  
16 ledger technology, applications built on blockchain  
17 technology or other distributed ledger technology, to-  
18 kens, and tokenization; and

19 (5) quantify the value and potential cost sav-  
20 ings associated with adoption of blockchain tech-  
21 nology or other distributed ledger technology, appli-  
22 cations built on blockchain technology or other dis-  
23 tributed ledger technology, tokens, and tokenization,  
24 including through comparative analyses of competing

1 and existing technologies within specific industry ap-  
2 plications.

3 (e) ADDITIONAL REQUIREMENTS.—In carrying out  
4 this section, the Secretary shall—

5 (1) consult closely and regularly with stake-  
6 holders, including private sector individuals and enti-  
7 ties, and incorporate industry expertise;

8 (2) collaborate with private sector stakeholders  
9 to identify prioritized, flexible, repeatable, perform-  
10 ance-based, and cost-effective approaches to the de-  
11 ployment of blockchain technology or other distrib-  
12 uted ledger technology, applications built on  
13 blockchain technology or other distributed ledger  
14 technology, tokens, and tokenization;

15 (3) make public research and information per-  
16 taining to the use of, and marketplace for,  
17 blockchain technology or other distributed ledger  
18 technology, applications built on blockchain tech-  
19 nology or other distributed ledger technology, to-  
20 kens, and tokenization;

21 (4) develop standardized terminology for, and  
22 promote common understanding of, blockchain tech-  
23 nology or other distributed ledger technology, appli-  
24 cations built on blockchain technology or other dis-  
25 tributed ledger technology, tokens, and tokenization;

1           (5) align the recommendations of the compen-  
2       dium described in subsection (d) with the goal of fa-  
3       cilitating the ease of use of blockchain technology or  
4       other distributed ledger technology, applications  
5       built on blockchain technology or other distributed  
6       ledger technology, tokens, and tokenization;

7           (6) support open-source infrastructure, data  
8       management, and authentication activities with re-  
9       spect to blockchain technology or other distributed  
10      ledger technology, applications built on blockchain  
11      technology or other distributed ledger technology, to-  
12      kens, and tokenization; and

13          (7) consider the needs and interests of both the  
14      private and public sector, including small businesses  
15      and Federal, State, and local governments.

16      (f) RULES OF CONSTRUCTION.—Nothing in this sec-  
17      tion may be construed—

18          (1) to require a private entity to share informa-  
19      tion with the Secretary;

20          (2) to require a private entity to request assist-  
21      ance from the Secretary;

22          (3) to require a private entity to implement any  
23      measure or recommendation suggested by the Sec-  
24      retary in response to a request by the private entity;  
25      or

1 (4) to require the adoption of the best practices  
2 described in subsection (d).

3 (g) CONSULTATION.—In implementing this section,  
4 the Secretary may, as appropriate, consult with the heads  
5 of relevant Federal agencies.

6 **SEC. 4. REPORTS TO CONGRESS.**

7 (a) INTERIM REPORTS.—Not later than 2 years after  
8 the date of the enactment of this Act, and annually there-  
9 after, the Secretary shall make public on the website of  
10 the Department of Commerce and submit to the Com-  
11 mittee on Commerce, Science, and Transportation of the  
12 Senate and the Committee on Energy and Commerce of  
13 the House of Representatives a report that includes—

14 (1) a description of the activities of the Sec-  
15 retary under this title during the preceding year;

16 (2) any recommendations by the Secretary for  
17 additional legislation to strengthen the competitive-  
18 ness of the United States with respect to blockchain  
19 technology or other distributed ledger technology,  
20 applications built on blockchain technology or other  
21 distributed ledger technology, tokens, and  
22 tokenization; and

23 (3) a description of any emerging risks and  
24 long-term trends with respect to blockchain tech-  
25 nology or other distributed ledger technology, appli-

1        cations built on blockchain technology or other dis-  
2        tributed ledger technology, tokens, and tokenization.

3        (b) FINAL REPORT.—Not later than 18 months be-  
4        fore the termination of the Advisory Committee pursuant  
5        to section 603(c)(3), the Secretary shall make available  
6        to the public on the website of the Department of Com-  
7        merce and submit to the President, the Committee on  
8        Commerce, Science, and Transportation of the Senate,  
9        and the Committee on Energy and Commerce of the  
10       House of Representatives a final report containing the  
11       findings, conclusions, and recommendations of the Advi-  
12       sory Committee.

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