

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.

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

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 (1) ADVISORY COMMITTEE.—The term “Advi-
2 sory Committee” means the National Blockchain
3 Deployment Advisory Committee established pursu-
4 ant to section 603(c).

5 (2) BLOCKCHAIN TECHNOLOGY OR OTHER DIS-
6 TRIBUTED LEDGER TECHNOLOGY.—The term
7 “blockchain technology or other distributed ledger
8 technology” means a distributed digital database
9 where data is—

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

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

16 (C) distributed among network partici-
17 pants in an automated fashion to concurrently
18 update network participants on the state of the
19 ledger and other functions.

20 (3) COVERED NONGOVERNMENTAL REPRESENT-
21 ATIVE.—The term “covered nongovernmental rep-
22 resentative” means a representative as specified in
23 the second sentence of section 135(b)(1) of the
24 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.

○