

Calendar No. 195

119TH CONGRESS
1ST SESSION

S. 1492

[Report No. 119–84]

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

OCTOBER 21, 2025

Reported by Mr. CRUZ, without amendment

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,*

1 **SECTION 1. SHORT TITLE.**

2 This Act may be cited as the “Deploying American
3 Blockchains Act of 2025”.

4 **SEC. 2. DEFINITIONS.**

5 In this Act:

6 (1) **ADVISORY COMMITTEE.**—The term “Advi-
7 sory Committee” means the National Blockchain
8 Deployment Advisory Committee established pursu-
9 ant to section 603(c).

10 (2) **BLOCKCHAIN TECHNOLOGY OR OTHER DIS-**
11 **TRIBUTED LEDGER TECHNOLOGY.**—The term
12 “blockchain technology or other distributed ledger
13 technology” means a distributed digital database
14 where data is—

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

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

21 (C) distributed among network partici-
22 pants in an automated fashion to concurrently
23 update network participants on the state of the
24 ledger and other functions.

25 (3) **COVERED NONGOVERNMENTAL REPRESENT-**
26 **ATIVE.**—The term “covered nongovernmental rep-

1 representative” means a representative as specified in
 2 the second sentence of section 135(b)(1) of the
 3 Trade Act of 1974 (19 U.S.C. 2155(b)(1)), except
 4 that such term does not include a representative of
 5 a non-Federal government.

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

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

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

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

18 **SEC. 3. DEPARTMENT OF COMMERCE LEADERSHIP ON**
 19 **BLOCKCHAIN.**

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

1 or other distributed ledger technology, tokens, and
2 tokenization.

3 (b) ACTIVITIES.—The Secretary shall support the
4 leadership of the United States with respect to the deploy-
5 ment, use, application, and competitiveness of blockchain
6 technology or other distributed ledger technology, applica-
7 tions built on blockchain technology or other distributed
8 ledger technology, tokens, and tokenization by organizing
9 the Advisory Committee—

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

21 (2) to support and to promote the improvement
22 and security of blockchain technology or other dis-
23 tributed ledger technology, applications built on
24 blockchain technology or other distributed ledger
25 technology, tokens, and tokenization;

1 (3) to help to promote the leadership of the
2 United States with respect to the deployment, use,
3 application, and competitiveness of blockchain tech-
4 nology or other distributed ledger technology, appli-
5 cations built on blockchain technology or other dis-
6 tributed ledger technology, tokens, and tokenization;

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

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

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

21 (7) to examine—

22 (A) how Federal agencies can benefit from
23 utilizing blockchain technology or other distrib-
24 uted ledger technology, applications built on

1 blockchain technology or other distributed ledg-
2 er technology, tokens, and tokenization;

3 (B) the current use by Federal agencies of
4 blockchain technology or other distributed ledg-
5 er technology, applications built on blockchain
6 technology or other distributed ledger tech-
7 nology, tokens, and tokenization;

8 (C) the current and future preparedness
9 and ability of Federal agencies to adopt
10 blockchain technology or other distributed ledg-
11 er technology, applications built on blockchain
12 technology or other distributed ledger tech-
13 nology, tokens, and tokenization; and

14 (D) additional security measures Federal
15 agencies may need to take—

16 (i) to securely use blockchain tech-
17 nology or other distributed ledger tech-
18 nology, applications built on blockchain
19 technology or other distributed ledger tech-
20 nology, tokens, and tokenization, including
21 to support the security of critical infra-
22 structure; and

23 (ii) to enhance the resiliency of Fed-
24 eral systems against cyber threats to
25 blockchain technology or other distributed

1 ledger technology, applications built on
2 blockchain technology or other distributed
3 ledger technology, tokens, and
4 tokenization; and

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

11 (c) ESTABLISHMENT OF NATIONAL BLOCKCHAIN
12 DEPLOYMENT ADVISORY COMMITTEE.—

13 (1) ESTABLISHMENT.—

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

23 (B) DESIGNATION.—The advisory com-
24 mittee established pursuant to subparagraph

1 (A) shall be known as the “National Blockchain
2 Deployment Advisory Committee”.

3 (2) MEMBERSHIP COMPOSITION.—The Advisory
4 Committee shall consist of members appointed by
5 the Secretary, which shall include—

6 (A) the Secretary;

7 (B) representatives of Federal agencies (as
8 determined necessary by the Secretary); and

9 (C) covered nongovernmental representa-
10 tives with expertise related to blockchain tech-
11 nology or other distributed ledger technology
12 (as determined necessary by the Secretary),
13 which may include—

14 (i) blockchain technology or other dis-
15 tributed ledger technology infrastructure
16 operators, suppliers, service providers, and
17 vendors;

18 (ii) application developers building on
19 blockchain technology or other distributed
20 ledger technology;

21 (iii) developers and organizations sup-
22 porting the advancement and deployment
23 of public blockchain technology or other
24 distributed ledger technology;

- 1 (iv) subject matter experts rep-
- 2 resenting industrial sectors that can ben-
- 3 efit from blockchain technology or other
- 4 distributed ledger technology;
- 5 (v) small, medium, and large busi-
- 6 nesses;
- 7 (vi) think tanks and academia;
- 8 (vii) nonprofit organizations and con-
- 9 sumer groups;
- 10 (viii) cybersecurity experts;
- 11 (ix) rural stakeholders;
- 12 (x) covered nongovernmental rep-
- 13 resentatives; and
- 14 (xi) artists and the content creator
- 15 community.

16 (3) TERMINATION OF ADVISORY COMMITTEE.—

17 The Advisory Committee shall terminate on the date
18 that is 7 years after the date of the enactment of
19 this Act.

20 (d) BEST PRACTICES.—The Secretary shall, on an
21 ongoing basis, facilitate and support the development of
22 a compendium of identified or recommended guidelines or
23 best practices for the deployment of blockchain technology
24 or other distributed ledger technology, applications built

1 on blockchain technology or other distributed ledger tech-
2 nology, tokens, and tokenization that—

3 (1) support the deployment of technologies
4 needed to advance the capabilities of blockchain
5 technology or other distributed ledger technology,
6 applications built on blockchain technology or other
7 distributed ledger technology, tokens, and
8 tokenization;

9 (2) support the interoperability of blockchain
10 technology or other distributed ledger technology,
11 applications built on blockchain technology or other
12 distributed ledger technology, tokens, and
13 tokenization;

14 (3) support operations, including hashing and
15 key storage and security systems, that form the
16 foundation of blockchain technology or other distrib-
17 uted ledger technology, applications built on
18 blockchain technology or other distributed ledger
19 technology, tokens, and tokenization;

20 (4) reduce cybersecurity risks that may com-
21 promise blockchain technology or other distributed
22 ledger technology, applications built on blockchain
23 technology or other distributed ledger technology, to-
24 kens, and tokenization; and

1 (5) quantify the value and potential cost sav-
2 ings associated with adoption of blockchain tech-
3 nology or other distributed ledger technology, appli-
4 cations built on blockchain technology or other dis-
5 tributed ledger technology, tokens, and tokenization,
6 including through comparative analyses of competing
7 and existing technologies within specific industry ap-
8 plications.

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

11 (1) consult closely and regularly with stake-
12 holders, including private sector individuals and enti-
13 ties, and incorporate industry expertise;

14 (2) collaborate with private sector stakeholders
15 to identify prioritized, flexible, repeatable, perform-
16 ance-based, and cost-effective approaches to the de-
17 ployment of blockchain technology or other distrib-
18 uted ledger technology, applications built on
19 blockchain technology or other distributed ledger
20 technology, tokens, and tokenization;

21 (3) make public research and information per-
22 taining to the use of, and marketplace for,
23 blockchain technology or other distributed ledger
24 technology, applications built on blockchain tech-

1 nology or other distributed ledger technology, to-
2 kens, and tokenization;

3 (4) develop standardized terminology for, and
4 promote common understanding of, blockchain tech-
5 nology or other distributed ledger technology, appli-
6 cations built on blockchain technology or other dis-
7 tributed ledger technology, tokens, and tokenization;

8 (5) align the recommendations of the compen-
9 dium described in subsection (d) with the goal of fa-
10 cilitating the ease of use of blockchain technology or
11 other distributed ledger technology, applications
12 built on blockchain technology or other distributed
13 ledger technology, tokens, and tokenization;

14 (6) support open-source infrastructure, data
15 management, and authentication activities with re-
16 spect to blockchain technology or other distributed
17 ledger technology, applications built on blockchain
18 technology or other distributed ledger technology, to-
19 kens, and tokenization; and

20 (7) consider the needs and interests of both the
21 private and public sector, including small businesses
22 and Federal, State, and local governments.

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

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

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

5 (3) to require a private entity to implement any
6 measure or recommendation suggested by the Sec-
7 retary in response to a request by the private entity;
8 or

9 (4) to require the adoption of the best practices
10 described in subsection (d).

11 (g) CONSULTATION.—In implementing this section,
12 the Secretary may, as appropriate, consult with the heads
13 of relevant Federal agencies.

14 **SEC. 4. REPORTS TO CONGRESS.**

15 (a) INTERIM REPORTS.—Not later than 2 years after
16 the date of the enactment of this Act, and annually there-
17 after, the Secretary shall make public on the website of
18 the Department of Commerce and submit to the Com-
19 mittee on Commerce, Science, and Transportation of the
20 Senate and the Committee on Energy and Commerce of
21 the House of Representatives a report that includes—

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

24 (2) any recommendations by the Secretary for
25 additional legislation to strengthen the competitive-

1 ness of the United States with respect to blockchain
2 technology or other distributed ledger technology,
3 applications built on blockchain technology or other
4 distributed ledger technology, tokens, and
5 tokenization; and

6 (3) a description of any emerging risks and
7 long-term trends with respect to blockchain tech-
8 nology or other distributed ledger technology, appli-
9 cations built on blockchain technology or other dis-
10 tributed ledger technology, tokens, and tokenization.

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

Calendar No. 195

119TH CONGRESS
1ST Session

S. 1492

[Report No. 119-84]

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.

OCTOBER 21, 2025

Reported without amendment