

1 (iii) by adding at the end the fol-
2 lowing new paragraphs:

3 “(4) ARTIFICIAL INTELLIGENCE MODEL.—The
4 term ‘artificial intelligence model’ means a compo-
5 nent of an artificial intelligence system that is—

6 “(A) derived using mathematical, computa-
7 tional, statistical, or machine-learning tech-
8 niques; and

9 “(B) used as part of an artificial intel-
10 ligence system to produce outputs or behaviors
11 from a defined set of inputs.

12 “(5) ARTIFICIAL INTELLIGENCE SYSTEM.—The
13 term ‘artificial intelligence system’ means a data
14 system, software, application, hardware, tool, service,
15 or utility that operates in whole or in part using ar-
16 tificial intelligence.”;

17 (B) by redesignating paragraphs (4), (5),
18 (6), (7), (8), (9), (10), and (11) as paragraphs
19 (6), (8), (9), (10), (11), (13), (14), and (15),
20 respectively;

21 (C) by inserting after paragraph (6), as so
22 redesignated, the following new paragraphs:

23 “(7) FOREIGN ADVERSARY.—The term ‘foreign
24 adversary’ has the meaning given the term ‘covered

1 nation’ in section 4872(f)(2) of title 10, United
2 States Code.”; and

3 (D) by inserting after paragraph (11), as
4 so redesignated, the following new paragraph:

5 “(12) INTELLIGENCE COMMUNITY.—The term
6 ‘intelligence community’ has the meaning given such
7 term in section 3(4) of the National Security Act of
8 1947 (50 U.S.C. 3003(4)).”; and

9 (2) in title LIII (15 U.S.C. 9441 et seq.), by
10 adding at the end the following new section:

11 **“SEC. 5304. CENTER FOR AI SECURITY AND INNOVATION.**

12 “(a) ESTABLISHMENT.—

13 “(1) IN GENERAL.—Not later than 60 days
14 after the date of the enactment of this section, the
15 Secretary of Commerce, acting through the Under
16 Secretary of Commerce for Standards and Innova-
17 tion (in this section referred to as the ‘Secretary’
18 and ‘Under Secretary’, respectively), shall establish
19 in the National Institute of Standards and Tech-
20 nology a center on artificial intelligence, to be known
21 as the ‘Center for AI Security and Innovation’ (in
22 this section referred to as the ‘Center’).

23 “(2) ACTIVITIES.—The Center shall carry out
24 the following:

1 “(A) Measure risks related to artificial in-
2 telligence systems, including national security
3 risks and economic security risks.

4 “(B) Support the exchange of information
5 between non-governmental entities and Federal
6 departments and agencies to facilitate mitiga-
7 tion related to any such risks.

8 “(C) Support activities to ensure continued
9 leadership in the United States with respect to
10 research, development, and evaluation of artifi-
11 cial intelligence systems.

12 “(3) TRANSFER STUDY.—

13 “(A) IN GENERAL.—The Secretary may
14 conduct a study, as the Secretary determines
15 appropriate, that includes the following:

16 “(i) An assessment of the feasibility,
17 and the advantages and disadvantages, of
18 transferring the Center to an agency of the
19 Department of Commerce, or establishing
20 the Center as an agency of the Depart-
21 ment.

22 “(ii) Recommendations for Congress
23 related to the following:

1 “(I) Any additional authority the
2 Center should have or any other
3 change to the authority of the Center.

4 “(II) Amounts of funding for the
5 Center.

6 “(B) CONGRESSIONAL REVIEW.—If the
7 Secretary conducts the study under subpara-
8 graph (A), the Secretary shall, not later than
9 30 days after so conducting such study, submit
10 to the Committee on Science, Space, and Tech-
11 nology of the House of Representatives and the
12 Committee on Commerce, Science, and Trans-
13 portation of the Senate such study for review.

14 “(b) DIRECTOR.—

15 “(1) IN GENERAL.—Not later than 3 months
16 after the date of the enactment of this section, the
17 Secretary, acting through the Under Secretary, shall
18 appoint a director for the Center (referred to in this
19 section as the ‘Director’).

20 “(2) EXPERIENCE.—The Secretary, acting
21 through the Under Secretary, shall ensure the Direc-
22 tor has the experience and is qualified to provide ad-
23 vice and leadership to carry out the duties under
24 subsection (c).

25 “(c) DUTIES.—

1 “(1) IN GENERAL.—The Director shall carry
2 out the following:

3 “(A) Evaluate and improve security meas-
4 ures with respect to covered artificial intel-
5 ligence systems and seek to reduce any risk of
6 misuse of such systems, including the evalua-
7 tion and improvement of security measures that
8 address threats relating to the following:

9 “(i) Model serialization attacks.

10 “(ii) Model tampering.

11 “(iii) Data leakage.

12 “(iv) Adversarial prompt injection.

13 “(v) Model extraction.

14 “(vi) Model jailbreaks.

15 “(vii) Supply chain attacks.

16 “(B) Establish a process for a covered en-
17 tity that is not located in a foreign adversary to
18 enter into a voluntary agreement with the Di-
19 rector to conduct classified or unclassified eval-
20 uations, as appropriate, of covered artificial in-
21 telligence systems regarding risks that such sys-
22 tems may pose to national security or economic
23 security, including risks related to cybersecurity
24 or chemical, biological, radiological, or nuclear
25 threats.

1 “(C) Conduct evaluations and assessments
2 with respect to the following:

3 “(i) Covered artificial intelligence sys-
4 tems developed by covered entities located
5 in the following:

6 “(I) The United States.

7 “(II) A foreign adversary.

8 “(ii) Any potential security vulner-
9 ability, flaw, or malign foreign activity that
10 results from artificial intelligence systems.

11 “(iii) Any relevant artificial intel-
12 ligence system, as determined by the Di-
13 rector.

14 “(D) Support the laboratories of the Na-
15 tional Institute of Standards and Technology in
16 the development and voluntary adoption of
17 standards, guidelines, and best practices relat-
18 ing to the following:

19 “(i) The testing and evaluation of cov-
20 ered artificial intelligence systems.

21 “(ii) Measuring and improving the se-
22 curity and reliability of artificial intel-
23 ligence systems, including in areas such as
24 robustness, interpretability of artificial in-

1 intelligence, security relating to data centers
2 and hardware security mechanisms.

3 “(iii) Any other matter relating to a
4 covered artificial intelligence system, as de-
5 termined appropriate by the Director.

6 “(E) Assess the following:

7 “(i) Whether covered entities are vol-
8 untarily adopting any such standards,
9 guidelines, or best practices.

10 “(ii) Any barrier to such voluntary
11 adoption.

12 “(F) Assess trends with respect to the de-
13 velopment of artificial intelligence in the United
14 States and in foreign adversaries, including
15 through comparative assessments of how the ca-
16 pabilities of artificial intelligence systems in the
17 U.S. and foreign adversaries differ with respect
18 to key artificial intelligence capabilities mile-
19 stones, as determined by the Director.

20 “(G) Any other action the Director deter-
21 mines necessary to carry out the activities of
22 the Center under subsection (a)(2).

23 “(2) INTERAGENCY CONSULTATION.—In car-
24 rying out paragraph (1), the Director shall consult
25 with the following:

1 “(A) The Director of the Office of Science
2 and Technology Policy.

3 “(B) The Secretary of Energy.

4 “(C) The Secretary of Defense.

5 “(D) The Secretary of Homeland Security.

6 “(E) Members of the intelligence commu-
7 nity.

8 “(F) The heads of any other relevant Fed-
9 eral departments or agencies as the Director
10 determines appropriate.

11 “(3) CONSULTATION WITH NON-FEDERAL
12 STAKEHOLDERS.—In carrying out paragraph (1),
13 the Director shall seek to consult with private sector
14 entities as the Director determines appropriate, in-
15 cluding the following:

16 “(A) Small business concerns.

17 “(B) Members of academia.

18 “(C) Nonprofit organizations.

19 “(4) INTERAGENCY PARTICIPATION.—The Di-
20 rector shall be included in any interagency process
21 convened by the Executive Office of the President
22 relating to artificial intelligence policy, and may sub-
23 mit assessments and recommendations directly to
24 the National Security Council and the Office of

1 Science and Technology Policy on matters within the
2 scope of the duties described in paragraph (1).

3 “(5) DEFINING COVERED ARTIFICIAL INTEL-
4 LIGENCE SYSTEM.—

5 “(A) IN GENERAL.—Not later than 180
6 days after the date of the enactment of this sec-
7 tion, the Under Secretary, acting through the
8 Director, in coordination with the Director of
9 the Office of Science and Technology Policy,
10 the Director of National Intelligence, the Direc-
11 tor of the Cybersecurity and Infrastructure Se-
12 curity Agency, and the heads of any other agen-
13 cy as the Director determines appropriate, shall
14 publish, and update as the Director determines
15 appropriate, a definition of the term ‘covered
16 artificial intelligence system’ that identifies the
17 characteristics and capabilities of artificial in-
18 telligence systems with national or economic se-
19 curity implications.

20 “(B) ACTIVITIES.—In carrying out sub-
21 paragraph (A), the Under Secretary, acting
22 through the Director, in consultation with rel-
23 evant non-governmental entities (including de-
24 velopers of artificial intelligence), shall carry
25 out a program of measurement research to un-

1 derstand and benchmark the capabilities and
2 limitations of artificial intelligence systems over
3 time.

4 “(6) OPTIONAL PUBLICATION.—The Director
5 may make any evaluation or assessment conducted
6 under paragraph (1)(C) publicly available, as the Di-
7 rector determines appropriate.

8 “(d) CRITICAL TECHNICAL EXPERTS.—

9 “(1) IN GENERAL.—The Secretary may appoint
10 officers and employees for the Center as the Sec-
11 retary determines necessary.

12 “(2) HIRING CRITICAL TECHNICAL EXPERTS.—
13 Notwithstanding section 3104 of title 5, United
14 States Code, or the provisions of any other law relat-
15 ing to the appointment, number, classification, or
16 compensation of employees, the Secretary shall have
17 the authority to make appointments of scientific, en-
18 gineering, and professional personnel, and to fix the
19 basic pay of such personnel at a rate to be deter-
20 mined by the Secretary at rates not in excess of the
21 highest total annual compensation payable at the
22 rate determined under section 104 of title 3, United
23 States Code. The Secretary shall appoint not more
24 than 15 personnel under this subsection.

1 “(e) CONFIDENTIALITY OF RECORDS; LIMITATION.—
2 Any information shared with or provided to the Director
3 by a covered entity to carry out subsection (c)—

4 “(1) shall be exempt from disclosure under sec-
5 tion 552(b)(3) of title 5, United States Code; and

6 “(2) may not—

7 “(A) be made public unless such covered
8 entity provides the Director consent for such in-
9 formation to be disclosed to the public; and

10 “(B) be used by any Federal, State, local,
11 or Tribal government to regulate an activity of
12 such covered entity related to such information.

13 “(f) REQUIREMENTS.—

14 “(1) AVOIDING DUPLICATION.—In carrying out
15 this section, the Director shall take such actions as
16 may be necessary to ensure no unnecessary duplica-
17 tion with activities carried out pursuant to section
18 22A of the National Institute of Standards and
19 Technology Act (15 U.S.C. 278h–1).

20 “(2) INTEGRITY.—The Director shall ensure
21 any publication of the Center, including a publica-
22 tion relating to an evaluation conducted under sub-
23 section (c)(1), is published in accordance with any
24 internal review processes and procedures relating to
25 publications by the laboratories of the National In-

1 stitute of Standards and Technology, as determined
2 practicable and appropriate by the Director.

3 “(g) PROHIBITION ON REGULATIONS.—This section
4 does not confer upon the Director any regulatory, rule-
5 making, or enforcement authority.

6 “(h) INTERNATIONAL ENGAGEMENT.—

7 “(1) IN GENERAL.—Except as provided in para-
8 graph (2), the Director may share information, col-
9 laborate, and participate in talent exchanges with a
10 center or institute similar to the Center that is lo-
11 cated in another country.

12 “(2) EXCEPTION.—Paragraph (1) does not
13 apply with respect to a center or institute similar to
14 the Center that is located in a foreign adversary.

15 “(i) REPORT.—For each fiscal year beginning with
16 fiscal year 2027, not later than 90 days after the Presi-
17 dent submits a budget for such fiscal year pursuant to
18 section 1105 of title 31, United States Code, the Secretary
19 shall submit to the Committee on Science, Space, and
20 Technology of the House of Representatives and the Com-
21 mittee on Commerce, Science, and Transportation of the
22 Senate a report that includes the following:

23 “(1) The budget of the Center for such fiscal
24 year.

1 “(2) Information relating to the consultation re-
2 quired by subsection (c)(2).

3 “(3) A description of any goals, priorities, and
4 metrics for guiding and evaluating any activities of
5 the Center under subsection (a)(2).

6 “(4) An assessment of the following:

7 “(A) The state of international competition
8 relating to artificial intelligence, including a
9 comparison between the capabilities of artificial
10 intelligence systems developed by entities in the
11 United States and foreign adversaries.

12 “(B) Any talent or personnel gaps affect-
13 ing the ability of the Director to carry out sub-
14 section (c), and any recommendations relating
15 to the recruitment and retention of personnel,
16 including through temporary rotational assign-
17 ments of personnel from other Federal depart-
18 ments or agencies or non-governmental entities,
19 fellowship programs, or any other means of uti-
20 lizing specialized technical expertise from non-
21 governmental entities.

22 “(C) Any new or emerging capabilities that
23 may impact the national or economic security of
24 the United States that artificial intelligence sys-
25 tems currently possess or that the Director ex-

1 pects such systems to plausibly possess in the
2 upcoming years, with a focus on any such capa-
3 bilities that are most critical or relevant for the
4 national security of the United States.

5 “(j) AUTHORIZATION OF APPROPRIATIONS.—There
6 is to be authorized to be appropriated to the Secretary
7 to carry out this section \$20,000,000 for each of fiscal
8 years 2027 through 2032.

9 “(k) SUNSET.—This section shall terminate on the
10 date that is 5 years after the date of the enactment of
11 this section.

12 “(l) DEFINITIONS.—In this section:

13 “(1) COVERED ARTIFICIAL INTELLIGENCE SYS-
14 TEM.—The term ‘covered artificial intelligence sys-
15 tem’ has the meaning determined by the Director
16 pursuant to subsection (c)(5).

17 “(2) COVERED ENTITY.—The term ‘covered en-
18 tity’ means an entity or consortium of entities with
19 a demonstrated ability to develop or evaluate a cov-
20 ered artificial intelligence system.

21 “(3) NONPROFIT ORGANIZATION.—The term
22 ‘nonprofit organization’ means an organization that
23 is described in section 501(c)(3) of the Internal Rev-
24 enue Code of 1986 (26 U.S.C. 501(c)(3)).

1 “(4) SMALL BUSINESS CONCERN.—The term
2 ‘small business concern’ has the meaning given such
3 term under section 3 of the Small Business Act (15
4 U.S.C. 632).”.

5 (b) CLERICAL AMENDMENT.—The tables of contents
6 in section 2(b) and title LIII of division E of the William
7 M. (Mac) Thornberry National Defense Authorization Act
8 for Fiscal Year 2021 are amended by inserting after the
9 items relating to section 5303 the following new item:

 “Sec. 5304. Center for AI Standards and Innovation.”.

