

119TH CONGRESS
1ST SESSION

S. _____

To reduce the risk to the national security of the United States posed by humanoid robots produced in certain countries, and for other purposes.

IN THE SENATE OF THE UNITED STATES

Mr. CASSIDY (for himself and Mr. COONS) introduced the following bill; which was read twice and referred to the Committee on _____

A BILL

To reduce the risk to the national security of the United States posed by humanoid robots produced in certain countries, 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 “Humanoid Robotic
5 Opposure for the Blocking of Obtainment from Totali-
6 tarians Act of 2025” or the “ROBOT Act of 2025”.

7 **SEC. 2. DEFINITIONS.**

8 In this Act:

9 (1) ARTIFICIAL INTELLIGENCE.—The term “ar-
10 tificial intelligence” has the meaning given that term

1 in section 5002 of the National Artificial Intelligence
2 Initiative Act of 2020 (15 U.S.C. 9401).

3 (2) COUNTRY OF CONCERN.—The term “country
4 of concern” has the meaning given the term
5 “covered nation” in section 4872 of title 10, United
6 States Code.

7 (3) COVERED ENTITY.—The term “covered en-
8 tity” means—

9 (A) the government of a country of con-
10 cern;

11 (B) a political party of a country of con-
12 cern;

13 (C) a foreign entity of concern (as defined
14 in section 9901 of the William M. (Mac) Thorn-
15 berry National Defense Authorization Act for
16 Fiscal Year 2021 (15 U.S.C. 4651));

17 (D) an entity identified by the Secretary of
18 Defense under section 1260H(a) of the William
19 M. (Mac) Thornberry National Defense Author-
20 ization Act for Fiscal Year 2021 (Public Law
21 116–283; 10 U.S.C. 113 note) as a Chinese
22 military company operating directly or indi-
23 rectly in the United States;

24 (E) an entity with its headquarters located
25 in, organized under the laws of, or otherwise

1 subject to the jurisdiction of, a country of con-
2 cern; or

3 (F) an entity owned or controlled by, or
4 under common ownership or control with, an
5 entity described in any of subparagraphs (A)
6 through (E).

7 (4) EXECUTIVE AGENCY.—The term “executive
8 agency” has the meaning given that term in section
9 133 of title 41, United States Code.

10 (5) HUMANOID ROBOT.—The term “humanoid
11 robot” means an autonomous or semi-autonomous
12 machine that—

13 (A) uses integrated artificial intelligence
14 systems;

15 (B) possesses a body structure that simu-
16 lates the human form, including a head, torso,
17 arms, and legs, or any configuration that re-
18 sembles a human silhouette;

19 (C) is capable of performing tasks associ-
20 ated with human activities; and

21 (D) can communicate interactively, using
22 natural language processing to understand
23 verbal or written commands.

1 **SEC. 3. PROHIBITIONS ON GOVERNMENT CONTRACTING**
2 **RELATING TO HUMANOID ROBOTS FROM**
3 **COVERED ENTITIES.**

4 (a) PROHIBITION ON PURCHASES BY EXECUTIVE
5 AGENCIES.—The head of an executive agency may not
6 enter into or renew a contract to procure or otherwise ob-
7 tain a humanoid robot designed, tested, developed, or
8 manufactured by a covered entity.

9 (b) PROHIBITION ON USE BY CONTRACTORS.—A per-
10 son awarded a contract by an executive agency may not
11 use a humanoid robot designed, tested, developed, or man-
12 ufactured by a covered entity to fulfill, execute, or other-
13 wise support carrying out the contract.

14 (c) WAIVER.—The Secretary of Commerce, in coordi-
15 nation with the Secretary of Defense, may waive a prohibi-
16 tion under subsection (a) or (b) with respect to the pur-
17 chase or use of a humanoid robot if using the robot is
18 required for the completion of objectives related to na-
19 tional security or for research purposes.

20 (d) EFFECTIVE DATE.—The prohibitions under sub-
21 sections (a) and (b) shall apply on and after the date that
22 is 180 days after the date of the enactment of this Act.

23 (e) REGULATIONS.—Not later than 180 days after
24 the date of the enactment of this Act, the Federal Acquisi-
25 tion Regulatory Council shall amend the Federal Acquisi-
26 tion Regulation to implement the prohibitions under sub-

1 sections (a) and (b), including by establishing a require-
2 ment for prime contractors to incorporate the substance
3 of such prohibitions and applicable implementing contract
4 clauses into contracts relating to humanoid robots.

5 **SEC. 4. REVIEW BY COMMITTEE ON FOREIGN INVESTMENT**
6 **IN THE UNITED STATES OF INVESTMENTS IN**
7 **PRODUCTION OF HUMANOID ROBOT TECH-**
8 **NOLOGIES.**

9 (a) IN GENERAL.—Section 721(a)(4) of the Defense
10 Production Act of 1950 (50 U.S.C. 4565(a)(4)) is amend-
11 ed—

12 (1) in subparagraph (A)—

13 (A) in clause (i), by striking “; and” and
14 inserting a semicolon;

15 (B) in clause (ii), by striking the period at
16 the end and inserting “; and”; and

17 (C) by adding at the end the following:

18 “(iii) any transaction described in
19 subparagraph (B)(vi) proposed or pending
20 on or after the date of the enactment of
21 the Humanoid Robotic Opposure for the
22 Blocking of Obtainment from Totalitarians
23 Act of 2025.”;

24 (2) in subparagraph (B), by adding at the end
25 the following:

1 “(vi) Any other investment, subject to
2 regulations prescribed under subparagraph
3 (D)—

4 “(I) in a United States business
5 that designs, tests, develops, or manu-
6 factures humanoid robots (as defined
7 in section 2 of the Humanoid Robotic
8 Opposure for the Blocking of Obtain-
9 ment from Totalitarians Act of 2025);

10 “(II) by—

11 “(aa) an entity organized
12 under the laws of, or otherwise
13 subject to the jurisdiction of, a
14 covered nation (as defined in sec-
15 tion 4872 of title 10, United
16 States Code); or

17 “(bb) an entity owned or
18 controlled by, or under common
19 ownership or control with, an en-
20 tity described in item (aa); and

21 “(III) without regard to whether
22 the investment results in control of
23 the United States business by an enti-
24 ty described in subclause (II).”; and

25 (3) in subparagraph (D)—

1 (A) in clause (i), in the matter preceding
2 subclause (I)—

3 (i) by striking “subparagraph
4 (B)(iii)” and inserting “clauses (iii) and
5 (vi) of subparagraph (B)”; and

6 (ii) by striking “that subparagraph”
7 and inserting “that clause”;

8 (B) in clause (iii)(I), by striking “subpara-
9 graph (B)(iii)” and inserting “clauses (iii) and
10 (vi) of subparagraph (B)”; and

11 (C) in clause (iv)(I), in the matter pre-
12 ceding item (aa)—

13 (i) by striking “in subparagraph
14 (B)(iii)” and inserting “in clause (iii) or
15 (vi) of subparagraph (B)”; and

16 (ii) by striking “of subparagraph
17 (B)(iii)” and inserting “of such clauses”.

18 (b) MANDATORY FILING OF DECLARATIONS.—Sec-
19 tion 721(b)(1)(C)(v)(IV)(bb) of the Defense Production
20 Act of 1950 (50 U.S.C. 4565(b)(1)(C)(v)(IV)(bb)) is
21 amended by adding at the end the following:

22 “(DD) INVESTMENTS
23 IN HUMANOID ROBOTS.—
24 The parties to a covered
25 transaction described in sub-

1 section (a)(4)(B)(vi) shall
2 submit a declaration de-
3 scribed in subclause (I) with
4 respect to the transaction.”.

5 **SEC. 5. REPORT ON NATIONAL SECURITY THREATS POSED**
6 **BY HUMANOID ROBOTS.**

7 (a) IN GENERAL.—Not later than one year after the
8 date of the enactment of this Act, the Secretary of Com-
9 merce, in consultation with the Secretary of Defense, shall
10 submit to the committees specified in subsection (c) a de-
11 tailed report on the threats to the national security of the
12 United States posed by the development and use of
13 humanoid robots for both civilian and military purposes
14 in countries of concern.

15 (b) ELEMENTS.—The report required by subsection
16 (a) shall include the following:

17 (1) An analysis of—

18 (A) the economic infrastructure and manu-
19 facturing ecosystem for humanoid robots in the
20 People’s Republic of China and other countries
21 of concern; and

22 (B) military-civil fusion efforts, and other
23 efforts, of the People’s Liberation Army relat-
24 ing to humanoid robots.

1 (2) An analysis of how the circumvention of
2 United States export controls and the theft of intel-
3 lectual property or proprietary information of United
4 States persons has contributed or could contribute
5 to the development of humanoid robots in countries
6 of concern.

7 (3) Recommendations to improve such export
8 controls.

9 (4) An analysis of the privacy and data security
10 threats relating to the use of data of United States
11 persons obtained through humanoid robots, includ-
12 ing—

13 (A) how the data might be stored, includ-
14 ing whether the data is stored within the
15 humanoid robot or on cloud infrastructure; and

16 (B) how the data is accessed by the gov-
17 ernment of a country of concern.

18 (5) An analysis of the threat that data obtained
19 through humanoid robots designed, tested, devel-
20 oped, or manufactured by covered entities poses with
21 respect to economic espionage.

22 (6) Recommendations for administrative and
23 legislative action to address national security risks
24 posed to the United States by humanoid robots de-

1 signed, tested, developed, or manufactured by cov-
2 ered entities.

3 (7) Any other information considered relevant
4 by the Secretary of Commerce.

5 (c) COMMITTEES SPECIFIED.—The committees speci-
6 fied in this subsection are—

7 (1) the Committee on Commerce, Science, and
8 Transportation, the Committee on Banking, Hous-
9 ing, and Urban Affairs, and the Committee on
10 Armed Services of the Senate; and

11 (2) the Committee on Energy and Commerce,
12 the Committee on Foreign Affairs, and the Com-
13 mittee on Armed Services of the House of Rep-
14 resentatives.

15 (d) FORM.—The report required by subsection (a)
16 shall be submitted in unclassified form but may include
17 a classified annex.