

119TH CONGRESS
1ST SESSION

S. 3275

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

NOVEMBER 20, 2025

Mr. CASSIDY (for himself and Mr. COONS) introduced the following bill; which was read twice and referred to the Committee on Banking, Housing, and Urban Affairs

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 Robotics
5 Oversight and Blocking of Obtainment from Totalitarians
6 Act of 2025” or the “Humanoid ROBOT Act of 2025”.

7 **SEC. 2. DEFINITIONS.**

8 In this Act:

1 (1) ARTIFICIAL INTELLIGENCE.—The term “ar-
2 tificial intelligence” has the meaning given that term
3 in section 5002 of the National Artificial Intelligence
4 Initiative Act of 2020 (15 U.S.C. 9401).

5 (2) COUNTRY OF CONCERN.—The term “coun-
6 try of concern” has the meaning given the term
7 “covered nation” in section 4872 of title 10, United
8 States Code.

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

11 (A) the government of a country of con-
12 cern;

13 (B) a political party of a country of con-
14 cern;

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

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

1 (E) an entity with its headquarters located
2 in, organized under the laws of, or otherwise
3 subject to the jurisdiction of, a country of con-
4 cern; or

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

9 (4) EXECUTIVE AGENCY.—The term “executive
10 agency” has the meaning given that term in section
11 133 of title 41, United States Code.

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

15 (A) uses integrated artificial intelligence
16 systems;

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

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

23 (D) can communicate interactively, using
24 natural language processing to understand
25 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 Defense may waive
15 a prohibition under subsection (a) or (b) with respect to
16 the purchase or use of a humanoid robot if using the robot
17 is required for the completion of objectives related to na-
18 tional security or for research purposes.

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

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

1 ment for prime contractors to incorporate the substance
 2 of such prohibitions and applicable implementing contract
 3 clauses into contracts relating to humanoid robots.

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

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

11 (1) in subparagraph (A)—

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

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

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

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

23 (2) in subparagraph (B), by adding at the end
 24 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 Robotics
 8 Oversight and 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 Defense
 9 shall submit to the committees specified in subsection (c)
 10 a detailed report on the threats to the national security
 11 of the United States posed by the development and use
 12 of humanoid robots for both civilian and military purposes
 13 in countries of concern.

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

16 (1) An analysis of—

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

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

24 (2) An analysis of how the circumvention of
 25 United States export controls and the theft of intel-

1 lectual property or proprietary information of United
2 States persons has contributed or could contribute
3 to the development of humanoid robots in countries
4 of concern.

5 (3) Recommendations to improve such export
6 controls.

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

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

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

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

20 (6) Recommendations for administrative and
21 legislative action to address national security risks
22 posed to the United States by humanoid robots de-
23 signed, tested, developed, or manufactured by cov-
24 ered entities.

1 (7) Any other information considered relevant
2 by the Secretary.

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

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

10 (2) the Committee on Energy and Commerce,
11 the Committee on Foreign Affairs, the Committee
12 on Armed Services, and the Permanent Select Com-
13 mittee on Intelligence of the House of Representa-
14 tives.

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

○