

AMENDMENT NO. _____ Calendar No. _____

Purpose: To assess the comparative capabilities of adversaries in artificial intelligence.

IN THE SENATE OF THE UNITED STATES—116th Cong., 1st Sess.

S. 1790

To authorize appropriations for fiscal year 2020 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes.

Referred to the Committee on _____ and ordered to be printed

Ordered to lie on the table and to be printed

AMENDMENT intended to be proposed by Mr. BENNET

Viz:

1 At the end of subtitle C of title II, add the following:

2 **SEC. ____ . COMPARATIVE CAPABILITIES OF ADVERSARIES**

3 **IN ARTIFICIAL INTELLIGENCE.**

4 (a) **EXPANSION OF DUTIES OF OFFICIAL WITH**

5 **PRINCIPAL RESPONSIBILITY FOR COORDINATION OF AC-**

6 **TIVITIES RELATING TO DEVELOPMENT AND DEMONSTRA-**

7 **TION OF ARTIFICIAL INTELLIGENCE.—Section**

8 **238(c)(2)(I) of the John S. McCain National Defense Au-**

9 **thorization Act for Fiscal Year 2019 (Public Law 115–**

10 **232) is amended—**

1 (1) in clause (i), by striking “; and” and insert-
2 ing a semicolon;

3 (2) in clause (ii), by striking the period at the
4 end and inserting “; and”; and

5 (3) by adding at the end the following new
6 clause:

7 “(iii) that appropriate entities in the
8 Department are reviewing all open sources
9 publications from both the United States
10 and outside the United States that con-
11 tribute, impact, or advance artificial intel-
12 ligence research and development.”.

13 (b) ANALYSIS OF COMPARATIVE CAPABILITIES OF
14 CHINA IN ARTIFICIAL INTELLIGENCE.—The Secretary of
15 Defense shall provide the congressional defense commit-
16 tees with an analysis and briefing that includes the fol-
17 lowing:

18 (1) A comprehensive and national-level—

19 (A) comparison of public and private in-
20 vestment differentiated by sector and industry;

21 (B) review of current trends in ability to
22 set and determine global standards and norms
23 for artificial intelligence technology in national
24 security, including efforts in international
25 standard setting bodies;

1 (C) assessment of access to artificial intel-
2 ligence technology in national security; and

3 (D) assessment of areas and activities in
4 which the United States should invest in order
5 to provide the United States with technical su-
6 periority over China in relevant areas of artifi-
7 cial intelligence.

8 (2) A comprehensive assessment of relative
9 technical quality of activities in the United States
10 and China.

11 (3) A comprehensive assessment of the likeli-
12 hood that developments in artificial intelligence will
13 successfully transition into military systems of
14 China.

15 (4) Predicted effects on United States national
16 security if current trends in China and the United
17 States continue.

18 (5) Predicted effects of current trends on dig-
19 ital and technology export relationships of both
20 countries with existing and new trading partners.

21 (6) Assessment of the relationships that are
22 critical and in need of development in both private
23 and public sector to ensure investment in artificial
24 intelligence to keep pace with current global trends.