AMENDMENT

TO RULES COMMITTEE PRINT 115–70

OFFERED BY MS. STEFANIK OF NEW YORK

At the end of subtitle E of title X, insert the following:

1 **SEC. 10___. NATIONAL SECURITY COMMISSION ON ARTIFI-**
2 **CIAL INTELLIGENCE.**

3 (a) ESTABLISHMENT.—

4 (1) IN GENERAL.—There is established in the
5 executive branch an independent Commission to re-
6 view advances in artificial intelligence, related ma-
7 chine learning developments, and associated tech-
8 nologies.

9 (2) TREATMENT.—The Commission shall be
10 considered an independent establishment of the Fed-
11 eral Government as defined by section 104 of title
12 5, United States Code, and a temporary organiza-
13 tion under section 3161 of such title.

14 (3) DESIGNATION.—The Commission estab-
15 lished under paragraph (1) shall be known as the
16 "National Security Commission on Artificial Intel-
17 ligence".

18 (4) MEMBERSHIP.—

2

1   (A) COMPOSITION.—The Commission shall

2   be composed of 15 members appointed as fol-

3   lows:

4   (i) The Secretary of Defense shall ap-

5   point 2 members.

6   (ii) The Secretary of Commerce shall

7   appoint 1 member.

8   (iii) The Chairman of the Committee

9   on Commerce, Science, and Transportation

10   of the Senate shall appoint 1 member.

11   (iv) The Ranking Member of the

12   Committee on Commerce, Science, and

13   Transportation of the Senate shall appoint

14   1 member.

15   (v) The Chairman of the Committee

16   on Energy and Commerce of the House of

17   Representatives shall appoint 1 member.

18   (vi) The Ranking Member of the

19   Committee on Energy and Commerce of

20   the House of Representatives shall appoint

21   1 member.

22   (vii) The Chairman of the Committee

23   on Armed Services of the Senate shall ap-

24   point 1 member.

1   (viii) The Ranking Member of the
2   Committee on Armed Services of the Sen-
3   ate shall appoint 1 member.

4   (ix) The Chairman of the Committee
5   on Armed Services of the House of Rep-
6   resentatives shall appoint 1 member.

7   (x) The Ranking Member of the Com-
8   mittee on Armed Services of the House of
9   Representatives shall appoint 1 member.

10   (xi) The Chairman of the Select Com-
11   mittee on Intelligence of the Senate shall
12   appoint 1 member.

13   (xii) The Vice Chairman of the Select
14   Committee on Intelligence of the Senate
15   shall appoint 1 member.

16   (xiii) The Chairman of the Permanent
17   Select Committee on Intelligence of the
18   House of Representatives shall appoint 1
19   member.

20   (xiv) The Ranking Member of the
21   Permanent Select Committee Intelligence
22   of the House of Representatives shall ap-
23   point 1 member.

24   (B) DEADLINE FOR APPOINTMENT.—Mem-
25   bers shall be appointed to the Commission

1   under paragraph (1) not later than 90 days

2   after the Commission establishment date.

3   (C) EFFECT OF LACK OF APPOINTMENT

4   BY APPOINTMENT DATE.—If one or more ap-

5   pointments under paragraph (1) is not made by

6   the appointment date specified in paragraph

7   (2), the authority to make such appointment or

8   appointments shall expire, and the number of

9   members of the Commission shall be reduced by

10   the number equal to the number of appoint-

11   ments so not made.

12   (5) CHAIR AND VICE CHAIR.—The Commission

13   shall elect a Chair and Vice Chair from among its

14   members.

15   (6) TERMS.—Members shall be appointed for

16   the life of the Commission. A vacancy in the Com-

17   mission shall not affect its powers, and shall be filled

18   in the same manner as the original appointment was

19   made.

20   (7) STATUS AS FEDERAL EMPLOYEES.—Not-

21   withstanding the requirements of section 2105 of

22   title 5, United States Code, including the required

23   supervision under subsection (a)(3) of such section,

24   the members of the Commission shall be deemed to

25   be Federal employees.

1 (b) DUTIES.—

2 (1) IN GENERAL.—The Commission shall carry

3 out the review described in paragraph (2). In car-

4 rying out such review, the Commission shall consider

5 the methods and means necessary to advance the de-

6 velopment of artificial intelligence, machine learning,

7 and associated technologies by the United States to

8 comprehensively address the national security and

9 defense needs of the United States.

10 (2) SCOPE OF THE REVIEW.—In conducting the

11 review paragraph (1), the Commission shall consider

12 the following:

13 (A) The competitiveness of the United

14 States in artificial intelligence, machine learn-

15 ing, and other associated technologies, including

16 matters related to national security, defense,

17 public-private partnerships, and investments.

18 (B) Means and methods for the United

19 States to maintain a technological advantage in

20 artificial intelligence, machine learning, and

21 other associated technologies related to national

22 security and defense.

23 (C) Developments and trends in inter-

24 national cooperation and competitiveness, in-

25 cluding foreign investments in artificial intel-

1　　　ligence, related machine learning, and computer

2　　　science fields that are materially related to na-

3　　　tional security and defense.

4　　　　　(D) Means by which to foster greater em-

5　　　phasis and investments in basic and advanced

6　　　research to stimulate private, public, academic

7　　　and combined initiatives in artificial intel-

8　　　ligence, machine learning, and other associated

9　　　technologies, to the extent that such efforts

10　　　have application materially related to national

11　　　security and defense.

12　　　　　(E) Workforce and education incentives to

13　　　attract and recruit leading talent in artificial

14　　　intelligence and machine learning disciplines,

15　　　including science, technology, engineering, and

16　　　math programs.

17　　　　　(F) Risks associated with United States

18　　　and foreign country advances in military em-

19　　　ployment of artificial intelligence and machine

20　　　learning, including international law of armed

21　　　conflict, international humanitarian law, and es-

22　　　calation dynamics.

23　　　　　(G) Associated ethical considerations re-

24　　　lated to artificial intelligence and machine

1   learning as it will be used for future applica-

2   tions related to national security and defense.

3   (H) Means to establish data standards,

4   and incentivize the sharing of open training

5   data within related national security and de-

6   fense data-driven industries.

7   (I) Consideration of the evolution of artifi-

8   cial intelligence and appropriate mechanism for

9   managing such technology related to national

10   security and defense.

11   (J) Any other matters the Commission

12   deems relevant to the common defense of the

13   Nation.

14 (c) REPORTS.—

15   (1) INITIAL REPORT.—Not later than 180 days

16 after the date of the enactment of this Act, the

17 Commission shall submit to the President and Con-

18 gress an initial report on the findings of the Com-

19 mission and such recommendations that the Com-

20 mission may have for action by the executive branch

21 and Congress related to artificial intelligence, ma-

22 chine learning, and associated technologies, includ-

23 ing recommendations to more effectively organize

24 the Federal Government.

1   (2) ANNUAL COMPREHENSIVE REPORTS.—Not

2   later than one year after the date of this enactment

3   of this Act, and every year thereafter annually, until

4   the date specified in subsection (e), the Commission

5   shall submit a comprehensive report on the review

6   required under subsection (b).

7   (3) FORM OF REPORTS.—Reports submitted

8   under this subsection shall be made publically avail-

9   able, but may include a classified annex.

10   (d) FUNDING.—Of the amounts authorized to be ap-

11 propriated by this Act for fiscal year 2019 for the Depart-

12 ment of Defense, not more than $10,000,000 shall be

13 made available to the Commission to carry out its duties

14 under this subtitle. Funds made available to the Commis-

15 sion under the preceding sentence shall remain available

16 until expended.

17   (e) TERMINATION.—The Commission shall terminate

18 on October 1, 2020.

19   (f) DEFINITION OF ARTIFICIAL INTELLIGENCE.—In

20 this section, the term ''artificial intelligence'' includes each

21 of the following:

22   (1) Any artificial system that performs tasks

23   under varying and unpredictable circumstances with-

24   out significant human oversight, or that can learn

9

1 from experience and improve performance when ex-

2 posed to data sets.

3   (2) An artificial system developed in computer

4 software, physical hardware, or other context that

5 solves tasks requiring human-like perception, cog-

6 nition, planning, learning, communication, or phys-

7 ical action.

8   (3) An artificial system designed to think or act

9 like a human, including cognitive architectures and

10 neural networks.

11   (4) A set of techniques, including machine

12 learning that is designed to approximate a cognitive

13 task.

14   (5) An artificial system designed to act ration-

15 ally, including an intelligent software agent or em-

16 bodied robot that achieves goals using perception,

17 planning, reasoning, learning, communicating, deci-

18 sion-making, and acting.

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