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(Original Signature of Member)

117TH CONGRESS
1ST SESSION

H. R.

To establish a national science and technology strategy, a quadrennial science and technology review, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

Mr. WALTZ introduced the following bill; which was referred to the Committee on _____

A BILL

To establish a national science and technology strategy, a quadrennial science and technology review, 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 “National Science and
5 Technology Strategy Act of 2021”.

1 **SEC. 2. NATIONAL SCIENCE AND TECHNOLOGY STRATEGY.**

2 Section 206 of the National Science and Technology
3 Policy, Organization, and Priorities Act of 1976 (42
4 U.S.C. 6615) is amended to read as follows:

5 **“SEC. 206. NATIONAL SCIENCE AND TECHNOLOGY STRAT-**
6 **EGY.**

7 “(a) IN GENERAL.—Not later than the end of each
8 calendar year immediately after the calendar year in which
9 a review under section 206b is completed, the Director of
10 the Office of Science and Technology Policy, in consulta-
11 tion with the National Science and Technology Council,
12 shall develop and submit to Congress a comprehensive na-
13 tional science and technology strategy of the United States
14 to meet national research and development objectives for
15 the following 4-year period (in this Act referred to as ‘the
16 national science and technology strategy’).

17 “(b) REQUIREMENTS.—Each national science and
18 technology strategy required by subsection (a) shall delin-
19 eate a national science and technology strategy consistent
20 with—

21 “(1) the recommendations and priorities devel-
22 oped by the review established in section 206b;

23 “(2) the most recent national security strategy
24 report submitted pursuant to section 1032 of the
25 National Defense Authorization Act for Fiscal Year
26 2012 (50 U.S.C. 3043);

1 “(3) other relevant national plans; and

2 “(4) the strategic plans of relevant Federal de-
3 partments and agencies.

4 “(c) CONSULTATION.—The Director shall consult as
5 necessary with the Office of Management and Budget and
6 other appropriate elements of the Executive Office of the
7 President to ensure that the recommendations and prior-
8 ities delineated in the science and technology strategy are
9 incorporated in the development of annual budget re-
10 quests.

11 “(d) REPORT.—The President shall submit to Con-
12 gress each year a comprehensive report on the national
13 science and technology strategy of the United States. Each
14 report on the national science and technology strategy of
15 the United States shall include a description of—

16 “(1) strategic objectives and priorities necessary
17 to maintain the leadership of the United States in
18 science and technology and to advance science and
19 technology to address societal and national chal-
20 lenges, including near-term, medium-term, and long-
21 term research priorities;

22 “(2) programs, policies, and activities that the
23 President recommends across all Federal agencies to
24 achieve the strategic objectives in paragraph (1);
25 and

1 “(3) global trends in science and technology, in-
2 cluding potential threats to the leadership of the
3 United States in science and technology and oppor-
4 tunities for international collaboration in science and
5 technology.

6 “(e) PUBLICATION.—The Director shall, consistent
7 with the protection of national security and other sensitive
8 matters to the maximum extent practicable, make each re-
9 port submitted under subsection (d) publicly available on
10 an internet website of the Office.”.

11 **SEC. 3. QUADRENNIAL SCIENCE AND TECHNOLOGY RE-**
12 **VIEW.**

13 The National Science and Technology Policy, Organi-
14 zation, and Priorities Act of 1976 (42 U.S.C. 6601 et seq.)
15 is amended by inserting after section 206 the following:

16 **“SEC. 206b. QUADRENNIAL SCIENCE AND TECHNOLOGY RE-**
17 **VIEW.**

18 “(a) REQUIREMENTS.—

19 “(1) QUADRENNIAL REVIEWS REQUIRED.—Not
20 later than December 31, 2022, and every 4 years
21 thereafter, the Director of the Office of Science and
22 Technology Policy shall complete a review of the
23 science and technology enterprise of the United
24 States (in this section referred to as the ‘quadren-
25 nial science and technology review’).

1 “(2) SCOPE.—The quadrennial science and
2 technology review shall be a comprehensive examina-
3 tion of the science and technology strategy of the
4 United States, including recommendations for main-
5 taining global leadership in science and technology
6 and advancing science and technology to address the
7 societal and national challenges and guidance on the
8 coordination of programs, assets, capabilities, budg-
9 et, policies, and authorities across all Federal re-
10 search and development programs.

11 “(3) CONSULTATION.—The Director of the Of-
12 fice of Science and Technology Policy shall conduct
13 each quadrennial science and technology review
14 under this subsection in consultation with—

15 “(A) the National Science and Technology
16 Council;

17 “(B) the heads of other relevant Federal
18 agencies;

19 “(C) the President’s Council of Advisors
20 on Science and Technology;

21 “(D) the National Science Board;

22 “(E) the National Security Council; and

23 “(F) other relevant governmental and non-
24 governmental entities, including representatives
25 from industry, institutions of higher education,

1 nonprofit organizations, Members of Congress,
2 and other policy experts.

3 “(4) COORDINATION.—The Director shall en-
4 sure that each quadrennial science and technology
5 review conducted under this section is coordinated
6 with other relevant statutorily required reviews, and
7 to the maximum extent practicable incorporates in-
8 formation and recommendations from existing re-
9 views to avoid duplication.

10 “(b) CONTENTS.—In each quadrennial science and
11 technology review, the Director shall—

12 “(1) provide an integrated view of, and rec-
13 ommendations for, science and technology policy
14 across the Federal Government, while considering
15 economic and national security and other societal
16 and national challenges;

17 “(2) assess and recommend priorities for re-
18 search, development and demonstration programs to
19 maintain American leadership in science and tech-
20 nology;

21 “(3) assess and recommend priorities for re-
22 search, development, and demonstration programs to
23 address societal and national challenges;

24 “(4) assess the global competition in science
25 and technology and identify potential threats to the

1 leadership of the United States in science and tech-
2 nology and opportunities for international collabora-
3 tion;

4 “(5) assess and make recommendations on the
5 science, technology, engineering, mathematics and
6 computer science workforce in the United States;

7 “(6) assess and make recommendations to im-
8 prove regional innovation across the United States;

9 “(7) assess and make recommendations to im-
10 prove translation of basic research and the enhance-
11 ment of technology transfer of federally funded re-
12 search;

13 “(8) assess and identify the infrastructure and
14 tools needed to maintain the leadership of the
15 United States in science and technology and address
16 other societal and national challenges; and

17 “(9) review administrative or legislative policies
18 that affect the science and technology enterprise and
19 identify and make recommendations on policies that
20 hinder research and development in the United
21 States.

22 “(c) REPORTING.—

23 “(1) IN GENERAL.—Not later than December
24 31 of the year in which a quadrennial science and

1 technology review is conducted, the Director shall
2 submit a report of the review to Congress.

3 “(2) PUBLICATION.—The Director shall, con-
4 sistent with the protection of national security and
5 other sensitive matters to the maximum extent pos-
6 sible, make each report submitted under paragraph
7 (1) publicly available on an internet website of the
8 Office of Science and Technology Policy.”.