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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.

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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.”.