

117TH CONGRESS
1ST SESSION

H. R. 3858

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

IN THE HOUSE OF REPRESENTATIVES

JUNE 11, 2021

Mr. WALTZ (for himself, Ms. ROSS, Mr. LUCAS, and Ms. JOHNSON of Texas) introduced the following bill; which was referred to the Committee on Science, Space, and Technology

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”.

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

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

1 **“SEC. 206. NATIONAL SCIENCE AND TECHNOLOGY STRAT-**
2 **EGY.**

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

13 “(b) REQUIREMENTS.—Each national science and
14 technology strategy required by subsection (a) shall delin-
15 eate a national science and technology strategy consistent
16 with—

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

19 “(2) the most recent national security strategy
20 report submitted pursuant to section 1032 of the
21 National Defense Authorization Act for Fiscal Year
22 2012 (50 U.S.C. 3043);

23 “(3) other relevant national plans; and

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

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

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

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

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

23 “(3) global trends in science and technology, in-
24 cluding potential threats to the leadership of the
25 United States in science and technology and oppor-

1 United States, including recommendations for main-
2 taining global leadership in science and technology
3 and advancing science and technology to address the
4 societal and national challenges and guidance on the
5 coordination of programs, assets, capabilities, budg-
6 et, policies, and authorities across all Federal re-
7 search and development programs.

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

12 “(A) the National Science and Technology
13 Council;

14 “(B) the heads of other relevant Federal
15 agencies;

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

18 “(D) the National Science Board;

19 “(E) the National Security Council; and

20 “(F) other relevant governmental and non-
21 governmental entities, including representatives
22 from industry, institutions of higher education,
23 nonprofit organizations, Members of Congress,
24 and other policy experts.

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

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

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

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

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

22 “(4) assess the global competition in science
23 and technology and identify potential threats to the
24 leadership of the United States in science and tech-

1 nology and opportunities for international collabora-
2 tion;

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

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

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

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

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

21 “(c) REPORTING.—

22 “(1) IN GENERAL.—Not later than December
23 31 of the year in which a quadrennial science and
24 technology review is conducted, the Director shall
25 submit a report of the review to Congress.

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

○