

each fiscal year by the Federal departments and agencies described in section 8813(b) of this title, as determined by the Director of the Office of Science and Technology Policy.

(Pub. L. 115–368, title I, §102, Dec. 21, 2018, 132 Stat. 5094; Pub. L. 117–81, div. F, title LXVI, §6606(c)(2), Dec. 27, 2021, 135 Stat. 2444.)

TERMINATION OF SECTION

For termination of section, see section 8815 of this title.

Editorial Notes

AMENDMENTS

2021—Subsec. (b)(1). Pub. L. 117–81 substituted “on Quantum Information Science;” for “; and” in subpar. (A), inserted “and” after semicolon in subpar. (B), and added subpar. (C).

§ 8813. Subcommittee on Quantum Information Science

(a) Establishment

The President shall establish, through the National Science and Technology Council, the Subcommittee on Quantum Information Science.

(b) Membership

The Subcommittee shall include a representative of—

- (1) the National Institute of Standards and Technology;
- (2) the National Science Foundation;
- (3) the Department of Energy;
- (4) the National Aeronautics and Space Administration;
- (5) the Department of Defense;
- (6) the Office of the Director of National Intelligence;
- (7) the Office of Management and Budget;
- (8) the Office of Science and Technology Policy; and
- (9) such other Federal department or agency as the President considers appropriate.

(c) Chairpersons

The Subcommittee shall be jointly chaired by the Director of the National Institute of Standards and Technology, the Director of the National Science Foundation, and the Secretary of Energy.

(d) Responsibilities

The Subcommittee shall—

- (1) coordinate the quantum information science and technology research, information sharing about international standards development and use, and education activities and programs of the Federal agencies;
- (2) establish goals and priorities of the Program, based on identified knowledge and workforce gaps and other national needs;
- (3) assess and recommend Federal infrastructure needs to support the Program;
- (4) assess the status, development, and diversity of the United States quantum information science workforce;
- (5) assess the global outlook for quantum information science research and development efforts;
- (6) evaluate opportunities for international cooperation with strategic allies on research

and development in quantum information science and technology; and

(7) propose a coordinated interagency budget for the Program to the Office of Management and Budget to ensure the maintenance of a balanced quantum information science research portfolio and an appropriate level of research effort.

(e) Strategic plans

In order to guide the activities of the Program and meet the goals, priorities, and anticipated outcomes of the Federal departments and agencies described in subsection (b), the Subcommittee shall—

- (1) not later than 1 year after December 21, 2018, develop a 5-year strategic plan;
- (2) not later than 6 years after December 21, 2018, develop a subsequent 5-year strategic plan; and
- (3) periodically update each plan, as necessary.

(f) Submittal to Congress

The chairpersons of the Subcommittee shall submit to the President, the Advisory Committee, and the appropriate committees of Congress each strategic plan developed under subsection (e) and any updates thereto.

(g) Annual program budget report

(1) In general

Each year, concurrent with the annual budget request submitted by the President to Congress under section 1105 of title 31, the chairpersons of the Subcommittee shall submit to the appropriate committees of Congress and such other committees of Congress as the chairpersons deem appropriate a report on the budget for the Program.

(2) Contents

Each report submitted under paragraph (1) shall include the following:

- (A) The budget of the Program for the current fiscal year, for each Federal department and agency described in subsection (b).
- (B) The budget proposed for the Program for the next fiscal year, for each Federal department and agency described in subsection (b).
- (C) An analysis of the progress made toward achieving the goals and priorities established under subsection (d)(2).

(h) Report on quantum networking and communications

(1) In general

Not later than January 1, 2026, the Quantum Networking Working Group within the Subcommittee on Quantum Information Science of the National Science and Technology Council, in coordination with the Subcommittee on the Economic and Security Implications of Quantum Information Science, shall submit to the appropriate committees of Congress a report detailing a plan for the advancement of quantum networking and communications technology in the United States, building on the report entitled *A Strategic Vision for America’s Quantum Networks and A Coordinated Approach for Quantum Networking Research*.

(2) Requirements

The report under paragraph (1) shall include the following:

(A) An update to the report entitled *Coordinated Approach to Quantum Networking Research Report* focusing on a framework for interagency collaboration regarding the advancement of quantum networking and communications research.

(B) A plan for Federal Government partnership with the private sector and interagency collaboration regarding engagement in international standards for quantum networking and communications technology, including a list of Federal priorities for standards relating to such networking and technology.

(C) A proposal for the protection of national security interests relating to the advancement of quantum networking and communications technology.

(D) An assessment of the relative position of the United States with respect to other countries in the global race to develop, demonstrate, and utilize quantum networking and communications technology.

(E) Recommendations to Congress for legislative action relating to the matters considered under subparagraphs (A), (B), (C), and (D).

(F) Such other matters as the Quantum Network Working Group considers necessary to advance the security of communications and network infrastructure, remain at the forefront of scientific discovery in the quantum information science domain, and transition quantum information science research into the emerging quantum technology economy.

(Pub. L. 115–368, title I, § 103, Dec. 21, 2018, 132 Stat. 5095; Pub. L. 117–167, div. B, title VI, § 10661(b)(1), Aug. 9, 2022, 136 Stat. 1683.)

TERMINATION OF SECTION

For termination of section, see section 8815 of this title.

Editorial Notes

AMENDMENTS

2022—Subsec. (h). Pub. L. 117–167 added subsec. (h).

§ 8814. National Quantum Initiative Advisory Committee**(a) In general**

The President shall establish a National Quantum Initiative Advisory Committee.

(b) Qualifications

The Advisory Committee shall consist of members, appointed by the President, who are representative of industry, universities, and Federal laboratories and are qualified to provide advice and information on quantum information science and technology research, development, demonstrations, standards, education, technology transfer, commercial application, or national security and economic concerns.

(c) Membership consideration

In selecting the members of the Advisory Committee, the President may seek and give

consideration to recommendations from the Congress, industry, the scientific community (including the National Academy of Sciences, scientific professional societies, and universities), the defense community, and other appropriate organizations.

(d) Duties**(1) In general**

The Advisory Committee shall advise the President, the Subcommittee on Quantum Information Science, and the Subcommittee on Economic and Security Implications and make recommendations for the President to consider when reviewing and revising the Program.

(2) Independent assessments

The Advisory Committee shall conduct periodic, independent assessments of—

(A) any trends or developments in quantum information science and technology;

(B) the progress made in implementing the Program;

(C) the management, coordination, implementation, and activities of the Program;

(D) whether the Program activities and the goals and priorities established under section 8813(d)(2) of this title are helping to maintain United States leadership in quantum information science and technology;

(E) whether a need exists to revise the Program;

(F) whether opportunities exist for international cooperation with strategic allies on research and development in, and the development of open standards for, quantum information science and technology; and

(G) whether national security, societal, economic, legal, and workforce concerns are adequately addressed by the Program.

(e) Reports

Not later than 180 days after December 21, 2018, and at least biennially thereafter, the Advisory Committee shall submit to the President, the appropriate committees of Congress, and such other committees of Congress as the Advisory Committee deems appropriate a report on the findings of the independent assessment under subsection (d), including any recommendations for improvements to the Program.

(f) Travel expenses of non-Federal members

Non-Federal members of the Advisory Committee, while attending meetings of the Advisory Committee or while otherwise serving at the request of the head of the Advisory Committee away from their homes or regular places of business, may be allowed travel expenses, including per diem in lieu of subsistence, as authorized by section 5703 of title 5, for individuals in the Government serving without pay. Nothing in this subsection shall be construed to prohibit members of the Advisory Committee who are officers or employees of the United States from being allowed travel expenses, including per diem in lieu of subsistence, in accordance with existing law.