

(7) any significant effects of the activities of the Board on downstream purchasers of concrete masonry products and real property into which concrete masonry products are incorporated;

(8) effects on prices of concrete masonry products as a result of the activities of the Board;

(9) the cost to the Federal Government of an increase in concrete masonry product prices, if any, as a result of the program established by this chapter;

(10) the extent to which key statutory requirements are met;

(11) the extent and strength of Federal oversight of the program established by this chapter;

(12) the appropriateness of administering the program from within the Office of the Secretary of Commerce and the appropriateness of administering the program from within any division of the Department, including whether the Department has the expertise, knowledge, or other capabilities necessary to adequately administer the program; and

(13) any other topic that the Comptroller General considers appropriate.

(Pub. L. 115-254, div. E, §1317, Oct. 5, 2018, 132 Stat. 3484.)

§ 8717. Study and report by the Department of Commerce

Not later than 3 years after October 5, 2018, the Secretary shall prepare a study and submit to Congress a report examining the appropriateness and effectiveness of applying the commodity check-off program model (such as those programs established under the Commodity Promotion, Research, and Information Act of 1996 (7 U.S.C. 7411 et seq.)) to a nonagricultural industry, taking into account the program established by this chapter and any other check-off program involving a nonagricultural industry.

(Pub. L. 115-254, div. E, §1318, Oct. 5, 2018, 132 Stat. 3485.)

REFERENCES IN TEXT

The Commodity Promotion, Research, and Information Act of 1996, referred to in text, is subtitle B of title V of Pub. L. 104-127, Apr. 4, 1996, 110 Stat. 1032, which is classified generally to subchapter II (§7411 et seq.) of chapter 101 of Title 7, Agriculture. For complete classification of this Act to the Code, see Short Title note set out under section 7401 of Title 7 and Tables.

CHAPTER 114—NATIONAL QUANTUM INITIATIVE

- Sec. 8801. Definitions.
- 8802. Purposes.

SUBCHAPTER I—NATIONAL QUANTUM INITIATIVE

- 8811. National Quantum Initiative Program.
- 8812. National Quantum Coordination Office.
- 8813. Subcommittee on Quantum Information Science.
- 8814. National Quantum Initiative Advisory Committee.

- Sec. 8815. Sunset.

SUBCHAPTER II—NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY QUANTUM ACTIVITIES

- 8831. National Institute of Standards and Technology Activities and Quantum Consortium.

SUBCHAPTER III—NATIONAL SCIENCE FOUNDATION QUANTUM ACTIVITIES

- 8841. Quantum information science research and education program.
- 8842. Multidisciplinary centers for quantum research and education.

SUBCHAPTER IV—DEPARTMENT OF ENERGY QUANTUM ACTIVITIES

- 8851. Quantum information science research program.
- 8851. National Quantum Information Science Research Centers.

§ 8801. Definitions

In this chapter:

(1) Advisory Committee

The term “Advisory Committee” means the National Quantum Initiative Advisory Committee established under section 8814(a) of this title.

(2) Appropriate committees of Congress

The term “appropriate committees of Congress” means—

- (A) the Committee on Commerce, Science, and Transportation of the Senate;
- (B) the Committee on Energy and Natural Resources of the Senate; and
- (C) the Committee on Science, Space, and Technology of the House of Representatives.

(3) Coordination Office

The term “Coordination Office” means the National Quantum Coordination Office established under section 8812(a) of this title.

(4) Institution of higher education

The term “institution of higher education” has the meaning given the term in section 1001(a) of title 20.

(5) Program

The term “Program” means the National Quantum Initiative Program implemented under section 8811(a) of this title.

(6) Quantum information science

The term “quantum information science” means the use of the laws of quantum physics for the storage, transmission, manipulation, computing, or measurement of information.

(7) Subcommittee

The term “Subcommittee” means the Subcommittee on Quantum Information Science of the National Science and Technology Council established under section 8813(a) of this title.

(Pub. L. 115-368, §2, Dec. 21, 2018, 132 Stat. 5092.)

SHORT TITLE

Pub. L. 115-368, §1(a), Dec. 21, 2018, 132 Stat. 5092, provided that: “This Act [enacting this chapter] may be cited as the ‘National Quantum Initiative Act.’”

§ 8802. Purposes

The purpose of this chapter is to ensure the continued leadership of the United States in quantum information science and its technology applications by—

(1) supporting research, development, demonstration, and application of quantum information science and technology—

(A) to expand the number of researchers, educators, and students with training in quantum information science and technology to develop a workforce pipeline;

(B) to promote the development and inclusion of multidisciplinary curriculum and research opportunities for quantum information science at the undergraduate, graduate, and postdoctoral level;

(C) to address basic research knowledge gaps, including computational research gaps;

(D) to promote the further development of facilities and centers available for quantum information science and technology research, testing and education; and

(E) to stimulate research on and promote more rapid development of quantum-based technologies;

(2) improving the interagency planning and coordination of Federal research and development of quantum information science and technology;

(3) maximizing the effectiveness of the Federal Government's quantum information science and technology research, development, and demonstration programs;

(4) promoting collaboration among the Federal Government, Federal laboratories, industry, and universities; and

(5) promoting the development of international standards for quantum information science and technology security—

(A) to facilitate technology innovation and private sector commercialization; and

(B) to meet economic and national security goals.

(Pub. L. 115–368, §3, Dec. 21, 2018, 132 Stat. 5093.)

SUBCHAPTER I—NATIONAL QUANTUM INITIATIVE

§ 8811. National Quantum Initiative Program

(a) In general

The President shall implement a National Quantum Initiative Program.

(b) Requirements

In carrying out the Program, the President, acting through Federal agencies, councils, working groups, subcommittees, and the Coordination Office, as the President considers appropriate, shall—

(1) establish the goals, priorities, and metrics for a 10-year plan to accelerate development of quantum information science and technology applications in the United States;

(2) invest in fundamental Federal quantum information science and technology research, development, demonstration, and other activities to achieve the goals established under paragraph (1);

(3) invest in activities to develop a quantum information science and technology workforce pipeline;

(4) provide for interagency planning and coordination of Federal quantum information science and technology research, development, demonstration, standards engagement, and other activities under the Program;

(5) partner with industry and universities to leverage knowledge and resources; and

(6) leverage existing Federal investments efficiently to advance Program goals and priorities established under paragraph (1).

(Pub. L. 115–368, title I, §101, Dec. 21, 2018, 132 Stat. 5094.)

TERMINATION OF SECTION

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

§ 8812. National Quantum Coordination Office

(a) Establishment

(1) In general

The President shall establish a National Quantum Coordination Office.

(2) Administration

The Coordination Office shall have—

(A) a Director appointed by the Director of the Office of Science and Technology Policy, in consultation with the Secretary of Commerce, the Director of the National Science Foundation, and the Secretary of Energy; and

(B) staff comprised of employees detailed from the Federal departments and agencies described in section 8813(b) of this title

(b) Responsibilities

The Coordination Office shall—

(1) provide technical and administrative support to—

(A) the Subcommittee; and

(B) the Advisory Committee;

(2) oversee interagency coordination of the Program, including by encouraging and supporting joint agency solicitation and selection of applications for funding of activities under the Program;

(3) serve as the point of contact on Federal civilian quantum information science and technology activities for Federal departments and agencies, industry, universities¹ professional societies, State governments, and such other persons as the Coordination Office considers appropriate to exchange technical and programmatic information;

(4) ensure coordination among the collaborative ventures or consortia established under section 8831(a) of this title, Multidisciplinary Centers for Quantum Research and Education established under section 8842(a) of this title, and the National Quantum Information Science Research Centers established under section 8852(a) of this title;

(5) conduct public outreach, including the dissemination of findings and recommendations of the Advisory Committee, as appropriate;

¹ So in original. Probably should be followed by a comma.