

- (A) \$25,000,000 for fiscal year 2003;
- (B) \$40,000,000 for fiscal year 2004;
- (C) \$55,000,000 for fiscal year 2005;
- (D) \$70,000,000 for fiscal year 2006;
- (E) \$85,000,000 for fiscal year 2007; and

(2) for activities under section 278g-3(f) of this title—

- (A) \$6,000,000 for fiscal year 2003;
- (B) \$6,200,000 for fiscal year 2004;
- (C) \$6,400,000 for fiscal year 2005;
- (D) \$6,600,000 for fiscal year 2006; and
- (E) \$6,800,000 for fiscal year 2007.

(Pub. L. 107-305, §11, Nov. 27, 2002, 116 Stat. 2379.)

§ 7408. National Academy of Sciences study on computer and network security in critical infrastructures

(a) Study

Not later than 3 months after November 27, 2002, the Director of the National Institute of Standards and Technology shall enter into an arrangement with the National Research Council of the National Academy of Sciences to conduct a study of the vulnerabilities of the Nation's network infrastructure and make recommendations for appropriate improvements. The National Research Council shall—

- (1) review existing studies and associated data on the architectural, hardware, and software vulnerabilities and interdependencies in United States critical infrastructure networks;
- (2) identify and assess gaps in technical capability for robust critical infrastructure network security and make recommendations for research priorities and resource requirements; and
- (3) review any and all other essential elements of computer and network security, including security of industrial process controls, to be determined in the conduct of the study.

(b) Report

The Director of the National Institute of Standards and Technology shall transmit a report containing the results of the study and recommendations required by subsection (a) of this section to the Senate Committee on Commerce, Science, and Transportation and the House of Representatives Committee on Science not later than 21 months after November 27, 2002.

(c) Security

The Director of the National Institute of Standards and Technology shall ensure that no information that is classified is included in any publicly released version of the report required by this section.

(d) Authorization of appropriations

There are authorized to be appropriated to the Secretary of Commerce for the National Institute of Standards and Technology for the purposes of carrying out this section, \$700,000.

(Pub. L. 107-305, §12, Nov. 27, 2002, 116 Stat. 2380.)

CHANGE OF NAME

Committee on Science of House of Representatives changed to Committee on Science and Technology of House of Representatives by House Resolution No. 6,

One Hundred Tenth Congress, Jan. 5, 2007. Committee on Science and Technology of House of Representatives changed to Committee on Science, Space, and Technology of House of Representatives by House Resolution No. 5, One Hundred Twelfth Congress, Jan. 5, 2011.

§ 7409. Coordination of Federal cyber security research and development

The Director of the National Science Foundation and the Director of the National Institute of Standards and Technology shall coordinate the research programs authorized by this chapter or pursuant to amendments made by this chapter. The Director of the Office of Science and Technology Policy shall work with the Director of the National Science Foundation and the Director of the National Institute of Standards and Technology to ensure that programs authorized by this chapter or pursuant to amendments made by this chapter are taken into account in any government-wide cyber security research effort.

(Pub. L. 107-305, §13, Nov. 27, 2002, 116 Stat. 2380.)

REFERENCES IN TEXT

This chapter, referred to in text, was in the original “this Act”, meaning Pub. L. 107-305, Nov. 27, 2002, 116 Stat. 2367, which is classified principally to this chapter. For complete classification of this Act to the Code, see Short Title note set out under section 7401 of this title.

§ 7410. Grant eligibility requirements and compliance with immigration laws

(a) Immigration status

No grant or fellowship may be awarded under this chapter, directly or indirectly, to any individual who is in violation of the terms of his or her status as a nonimmigrant under section 1101(a)(15)(F), (M), or (J) of title 8.

(b) Aliens from certain countries

No grant or fellowship may be awarded under this chapter, directly or indirectly, to any alien from a country that is a state sponsor of international terrorism, as defined under section 1735(b) of title 8, unless the Secretary of State determines, in consultation with the Attorney General and the heads of other appropriate agencies, that such alien does not pose a threat to the safety or national security of the United States.

(c) Non-complying institutions

No grant or fellowship may be awarded under this chapter, directly or indirectly, to any institution of higher education or non-profit institution (or consortia thereof) that has—

- (1) materially failed to comply with the recordkeeping and reporting requirements to receive nonimmigrant students or exchange visitor program participants under section 1101(a)(15)(F), (M), or (J) of title 8, or section 1372 of title 8, as required by section 1762 of title 8; or
- (2) been suspended or terminated pursuant to section 1762(c) of title 8.

(Pub. L. 107-305, §16, Nov. 27, 2002, 116 Stat. 2381.)

§ 7411. Report on grant and fellowship programs

Within 24 months after November 27, 2002, the Director, in consultation with the Assistant to

the President for National Security Affairs, shall submit to Congress a report reviewing this chapter to ensure that the programs and fellowships are being awarded under this chapter to individuals and institutions of higher education who are in compliance with the Immigration and Nationality Act (8 U.S.C. 1101 et seq.) in order to protect our national security.

(Pub. L. 107-305, § 17, Nov. 27, 2002, 116 Stat. 2381.)

REFERENCES IN TEXT

The Immigration and Nationality Act, referred to in text, is act June 27, 1952, ch. 477, 66 Stat. 163, as amended, which is classified principally to chapter 12 (§1101 et seq.) of Title 8, Aliens and Nationality. For complete classification of this Act to the Code, see Short Title note set out under section 1101 of Title 8 and Tables.

CHAPTER 101—NANOTECHNOLOGY RESEARCH AND DEVELOPMENT

Sec.	
7501.	National Nanotechnology Program.
7502.	Program coordination.
7503.	Advisory Panel.
7504.	Triennial external review of the National Nanotechnology Program.
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§ 7501. National Nanotechnology Program

(a) National Nanotechnology Program

The President shall implement a National Nanotechnology Program. Through appropriate agencies, councils, and the National Nanotechnology Coordination Office established in section 7502 of this title, the Program shall—

(1) establish the goals, priorities, and metrics for evaluation for Federal nanotechnology research, development, and other activities;

(2) invest in Federal research and development programs in nanotechnology and related sciences to achieve those goals; and

(3) provide for interagency coordination of Federal nanotechnology research, development, and other activities undertaken pursuant to the Program.

(b) Program activities

The activities of the Program shall include—

(1) developing a fundamental understanding of matter that enables control and manipulation at the nanoscale;

(2) providing grants to individual investigators and interdisciplinary teams of investigators;

(3) establishing a network of advanced technology user facilities and centers;

(4) establishing, on a merit-reviewed and competitive basis, interdisciplinary nanotechnology research centers, which shall—

(A) interact and collaborate to foster the exchange of technical information and best practices;

(B) involve academic institutions or national laboratories and other partners, which may include States and industry;

(C) make use of existing expertise in nanotechnology in their regions and nationally;

(D) make use of ongoing research and development at the micrometer scale to support their work in nanotechnology; and

(E) to the greatest extent possible, be established in geographically diverse locations, encourage the participation of Historically Black Colleges and Universities that are part B institutions as defined in section 1061(2) of title 20 and minority institutions (as defined in section 1067k(3) of title 20), and include institutions located in States participating in the Experimental Program to Stimulate Competitive Research (EPSCoR);

(5) ensuring United States global leadership in the development and application of nanotechnology;

(6) advancing the United States productivity and industrial competitiveness through stable, consistent, and coordinated investments in long-term scientific and engineering research in nanotechnology;

(7) accelerating the deployment and application of nanotechnology research and development in the private sector, including startup companies;

(8) encouraging interdisciplinary research, and ensuring that processes for solicitation and evaluation of proposals under the Program encourage interdisciplinary projects and collaborations;

(9) providing effective education and training for researchers and professionals skilled in the interdisciplinary perspectives necessary for nanotechnology so that a true interdisciplinary research culture for nanoscale science, engineering, and technology can emerge;

(10) ensuring that ethical, legal, environmental, and other appropriate societal concerns, including the potential use of nanotechnology in enhancing human intelligence and in developing artificial intelligence which exceeds human capacity, are considered during the development of nanotechnology by—

(A) establishing a research program to identify ethical, legal, environmental, and other appropriate societal concerns related to nanotechnology, and ensuring that the results of such research are widely disseminated;

(B) requiring that interdisciplinary nanotechnology research centers established under paragraph (4) include activities that address societal, ethical, and environmental concerns;

(C) insofar as possible, integrating research on societal, ethical, and environmental concerns with nanotechnology research and development, and ensuring that advances in nanotechnology bring about improvements in quality of life for all Americans; and

(D) providing, through the National Nanotechnology Coordination Office established in section 7502 of this title, for public input and outreach to be integrated into the Program by the convening of regular and ongoing public discussions, through mechanisms such as citizens' panels, consensus