

(1) conduct, or enable or encourage the conducting of, appropriate research recommended by the Team; and

(2) promote (consistent with existing procedures for the establishment of building standards, codes, and practices) the appropriate adoption by the Federal Government, and encourage the appropriate adoption by other agencies and organizations, of the recommendations of the Team with respect to—

(A) technical aspects of evacuation and emergency response procedures;

(B) specific improvements to building standards, codes, and practices; and

(C) other actions needed to help prevent future building failures.

(Pub. L. 107–231, §9, Oct. 1, 2002, 116 Stat. 1475.)

§ 7309. National Institute of Standards and Technology annual report

Not later than February 15 of each year, the Director shall transmit to the Committee on Science of the House of Representatives and to the Committee on Commerce, Science, and Transportation of the Senate a report that includes—

(1) a summary of the investigations conducted by Teams during the prior fiscal year;

(2) a summary of recommendations made by the Teams in reports issued under section 7307 of this title during the prior fiscal year and a description of the extent to which those recommendations have been implemented; and

(3) a description of the actions taken to improve building safety and structural integrity by the National Institute of Standards and Technology during the prior fiscal year in response to reports issued under section 7307 of this title.

(Pub. L. 107–231, §10, Oct. 1, 2002, 116 Stat. 1476.)

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.

§ 7310. Advisory committee

(a) Establishment and functions

The Director, in consultation with the United States Fire Administration and other appropriate Federal agencies, shall establish an advisory committee to advise the Director on carrying out this chapter and to review the procedures developed under section 7301(c)(1) of this title and the reports issued under section 7307 of this title.

(b) Annual report

On January 1 of each year, the advisory committee shall transmit to the Committee on Science of the House of Representatives and to the Committee on Commerce, Science, and Transportation of the Senate a report that includes—

(1) an evaluation of Team activities, along with recommendations to improve the operation and effectiveness of Teams; and

(2) an assessment of the implementation of the recommendations of Teams and of the advisory committee.

(c) Duration of advisory committee

Section 14 of the Federal Advisory Committee Act shall not apply to the advisory committee established under this section.

(Pub. L. 107–231, §11, Oct. 1, 2002, 116 Stat. 1476.)

REFERENCES IN TEXT

Section 14 of the Federal Advisory Committee Act, referred to in subsec. (c), is section 14 of Pub. L. 92–463, which is set out in the Appendix to Title 5, Government Organization and Employees.

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.

§ 7311. Additional applicability

The authorities and restrictions applicable under this chapter to the Director and to Teams shall apply to the activities of the National Institute of Standards and Technology in response to the attacks of September 11, 2001.

(Pub. L. 107–231, §12, Oct. 1, 2002, 116 Stat. 1476.)

§ 7312. Construction

Nothing in this chapter shall be construed to confer any authority on the National Institute of Standards and Technology to require the adoption of building standards, codes, or practices.

(Pub. L. 107–231, §14, Oct. 1, 2002, 116 Stat. 1477.)

§ 7313. Authorization of appropriations

The National Institute of Standards and Technology is authorized to use funds otherwise authorized by law to carry out this chapter.

(Pub. L. 107–231, §15, Oct. 1, 2002, 116 Stat. 1477.)

CHAPTER 100—CYBER SECURITY RESEARCH AND DEVELOPMENT

Sec.	
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§ 7401. Findings

The Congress finds the following:

(1) Revolutionary advancements in computing and communications technology have interconnected government, commercial, scientific, and educational infrastructures—including critical infrastructures for electric power, natural gas and petroleum production and distribution, telecommunications, transportation, water supply, banking and finance, and emergency and government services—in a vast, interdependent physical and electronic network.

(2) Exponential increases in interconnectivity have facilitated enhanced communications, economic growth, and the delivery of services critical to the public welfare, but have also increased the consequences of temporary or prolonged failure.

(3) A Department of Defense Joint Task Force concluded after a 1997 United States information warfare exercise that the results “clearly demonstrated our lack of preparation for a coordinated cyber and physical attack on our critical military and civilian infrastructure”.

(4) Computer security technology and systems implementation lack—

(A) sufficient long term research funding;

(B) adequate coordination across Federal and State government agencies and among government, academia, and industry; and

(C) sufficient numbers of outstanding researchers in the field.

(5) Accordingly, Federal investment in computer and network security research and development must be significantly increased to—

(A) improve vulnerability assessment and technological and systems solutions;

(B) expand and improve the pool of information security professionals, including researchers, in the United States workforce; and

(C) better coordinate information sharing and collaboration among industry, government, and academic research projects.

(6) While African-Americans, Hispanics, and Native Americans constitute 25 percent of the total United States workforce and 30 percent of the college-age population, members of these minorities comprise less than 7 percent of the United States computer and information science workforce.

(Pub. L. 107-305, § 2, Nov. 27, 2002, 116 Stat. 2367.)

SHORT TITLE

Pub. L. 107-305, § 1, Nov. 27, 2002, 116 Stat. 2367, provided that: “This Act [enacting this chapter and section 278h of this title, amending sections 278g-3, 1511e, and 7301 of this title and section 1862 of Title 42, The Public Health and Welfare, and redesignating section 278h of this title as 278q of this title] may be cited as the ‘Cyber Security Research and Development Act’.”

§ 7402. Definitions

In this chapter:

(1) Director

The term “Director” means the Director of the National Science Foundation.

(2) Institution of higher education

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

(Pub. L. 107-305, § 3, Nov. 27, 2002, 116 Stat. 2368.)

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 and Tables.

§ 7403. National Science Foundation research

(a) Computer and network security research grants

(1) In general

The Director shall award grants for basic research on innovative approaches to the structure of computer and network hardware and software that are aimed at enhancing computer security. Research areas may include—

(A) authentication, cryptography, and other secure data communications technology;

(B) computer forensics and intrusion detection;

(C) reliability of computer and network applications, middleware, operating systems, control systems, and communications infrastructure;

(D) privacy and confidentiality;

(E) network security architecture, including tools for security administration and analysis;

(F) emerging threats;

(G) vulnerability assessments and techniques for quantifying risk;

(H) remote access and wireless security; and

(I) enhancement of law enforcement ability to detect, investigate, and prosecute cyber-crimes, including those that involve piracy of intellectual property.

(2) Merit review; competition

Grants shall be awarded under this section on a merit-reviewed competitive basis.

(3) Authorization of appropriations

There are authorized to be appropriated to the National Science Foundation to carry out this subsection—

(A) \$35,000,000 for fiscal year 2003;

(B) \$40,000,000 for fiscal year 2004;

(C) \$46,000,000 for fiscal year 2005;

(D) \$52,000,000 for fiscal year 2006; and

(E) \$60,000,000 for fiscal year 2007.

(b) Computer and network security research centers

(1) In general

The Director shall award multiyear grants, subject to the availability of appropriations, to institutions of higher education, nonprofit research institutions, or consortia thereof to establish multidisciplinary Centers for Computer and Network Security Research. Institutions of higher education, nonprofit research institutions, or consortia thereof receiving