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) 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, known as the Cyber Security Research and Development Act, 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.)

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, known as the Cyber Security Research and Development Act, 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.

§ 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

This chapter, referred to in text, was in the original ''this Act'', meaning Pub. L. 107–305, Nov. 27, 2002, 116

Stat. 2367, known as the Cyber Security Research and Development Act, 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.

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 100A—CYBERSECURITY ENHANCEMENT

§ 7421. Definitions

In this chapter:

(1) Cybersecurity mission

The term ''cybersecurity mission'' means activities that encompass the full range of threat reduction, vulnerability reduction, deterrence, international engagement, incident response, resiliency, and recovery policies and activities, including computer network operations, information assurance, law enforcement, diplomacy, military, and intelligence missions as such activities relate to the security and stability of cyberspace.

(2) Information system

The term ''information system'' has the meaning given that term in section 3502 of title 44.

(Pub. L. 113–274, § 2, Dec. 18, 2014, 128 Stat. 2971.)

REFERENCES IN TEXT

This chapter, referred to in text, was in the original ''this Act'', meaning Pub. L. 113–274, Dec. 18, 2014, 128 Stat. 2971, which is classified principally to this chapter. For complete classification of this Act to the Code, see Short Title note set out below and Tables.

SHORT TITLE

Pub. L. 113–274, § 1(a), Dec. 18, 2014, 128 Stat. 2971, provided that: ''This Act [enacting this chapter and amending sections 272, 278g–3, 7403, and 7406 of this title] may be cited as the 'Cybersecurity Enhancement Act of 2014'.''

§ 7422. No regulatory authority

Nothing in this chapter shall be construed to confer any regulatory authority on any Federal, State, tribal, or local department or agency.

(Pub. L. 113–274, § 3, Dec. 18, 2014, 128 Stat. 2972.)

REFERENCES IN TEXT

This chapter, referred to in text, was in the original ''this Act'', meaning Pub. L. 113–274, Dec. 18, 2014, 128 Stat. 2971, which is classified principally to this chapter. For complete classification of this Act to the Code, see Short Title note set out under section 7421 of this title and Tables.

§ 7423. No additional funds authorized

No additional funds are authorized to carry out this Act, and the amendments made by this Act. This Act, and the amendments made by this Act, shall be carried out using amounts otherwise authorized or appropriated.

(Pub. L. 113–274, § 4, Dec. 18, 2014, 128 Stat. 2972.)

REFERENCES IN TEXT

This Act, and the amendments made by this Act, referred to in text, is Pub. L. 113–274, Dec. 18, 2014, 128 Stat. 2971, which enacted this chapter and amended sections 272, 278g–3, 7403, and 7406 of this title. For complete classification of this Act to the Code, see Short Title note set out under section 7421 of this title and Tables.

SUBCHAPTER I—CYBERSECURITY RESEARCH AND DEVELOPMENT

§ 7431. Federal cybersecurity research and development

(a) Fundamental cybersecurity research

(1) Federal cybersecurity research and development strategic plan

The heads of the applicable agencies and departments, working through the National Science and Technology Council and the Networking and Information Technology Research and Development Program, shall develop and update every 4 years a Federal cybersecurity research and development strategic plan (referred to in this subsection as the ''strategic plan'') based on an assessment of cybersecurity risk to guide the overall direction of Federal cybersecurity and information assurance research and development for information technology and networking systems. The heads of the applicable agencies and departments shall build upon existing programs and plans to develop the strategic plan to meet objectives in cybersecurity, such as—

(A) how to design and build complex software-intensive systems that are secure and reliable when first deployed;

(B) how to test and verify that software and hardware, whether developed locally or obtained from a third party, is free of significant known security flaws;

(C) how to test and verify that software and hardware obtained from a third party correctly implements stated functionality, and only that functionality;