

ments of the applicable Guide, signed by an authorized representative of the accreditation body, without requirement for accompanying documentation. Any such affirmation shall be considered to be a continuous affirmation that the accreditation body meets the requirements of the applicable Guide, unless and until the affirmation is withdrawn by the accreditation body.

(Pub. L. 101-592, §10, as added Pub. L. 106-34, §10, June 8, 1999, 113 Stat. 123.)

PRIOR PROVISIONS

A prior section 10 of Pub. L. 101-592 was renumbered section 7 and is classified to section 5409 of this title.

§ 5411b. Applicability

The requirements of this chapter shall be applicable only to fasteners fabricated 180 days or more after June 8, 1999, except that if a manufacturer or distributor of fasteners fabricated before June 8, 1999, prepares a record of conformance for such fasteners, representations about such fasteners shall be subject to the requirements of this chapter.

(Pub. L. 101-592, §11, as added Pub. L. 106-34, §11, June 8, 1999, 113 Stat. 124.)

PRIOR PROVISIONS

A prior section 11 of Pub. L. 101-592 was renumbered section 8 and is classified to section 5410 of this title.

§ 5412. Repealed. Pub. L. 106-34, § 10, June 8, 1999, 113 Stat. 123

Section, Pub. L. 101-592, §13, Nov. 16, 1990, 104 Stat. 2952; Pub. L. 104-113, §11(i), Mar. 7, 1996, 110 Stat. 782, required the Secretary to issue regulations necessary to implement chapter.

§ 5413. Repealed. Pub. L. 104-113, § 11(j), Mar. 7, 1996, 110 Stat. 782

Section, Pub. L. 101-592, §14, Nov. 16, 1990, 104 Stat. 2952, related to appointment of an advisory committee to be available for consultation with Secretary on matters related to fasteners.

§ 5414. Repealed. Pub. L. 106-34, § 10, June 8, 1999, 113 Stat. 123

Section, Pub. L. 101-592, §15, Nov. 16, 1990, 104 Stat. 2952; Pub. L. 105-234, §1, Aug. 14, 1998, 112 Stat. 1536, related to applicability of this chapter.

CHAPTER 81—HIGH-PERFORMANCE COMPUTING

- Sec. 5501. Findings.
- 5502. Purposes.
- 5503. Definitions.

SUBCHAPTER I—HIGH-PERFORMANCE COMPUTING RESEARCH AND DEVELOPMENT

- 5511. National High-Performance Computing Program.
- 5512. National Research and Education Network.
- 5513. Next Generation Internet.

SUBCHAPTER II—AGENCY ACTIVITIES

- 5521. National Science Foundation activities.
- 5522. National Aeronautics and Space Administration activities.
- 5523. Department of Energy activities.
- 5524. Department of Commerce activities.

- Sec. 5525. Environmental Protection Agency activities.
- 5526. Role of Department of Education.
- 5527. Miscellaneous provisions.
- 5528. Fostering United States competitiveness in high-performance computing and related activities.

SUBCHAPTER III—DEPARTMENT OF ENERGY HIGH-END COMPUTING REVITALIZATION

- 5541. Definitions.
- 5542. Department of Energy high-end computing research and development program.
- 5543. Authorization of appropriations.

§ 5501. Findings

The Congress finds the following:

(1) Advances in computer science and technology are vital to the Nation's prosperity, national and economic security, industrial production, engineering, and scientific advancement.

(2) The United States currently leads the world in the development and use of high-performance computing for national security, industrial productivity, science, and engineering, but that lead is being challenged by foreign competitors.

(3) Further research and development, expanded educational programs, improved computer research networks, and more effective technology transfer from government to industry are necessary for the United States to reap fully the benefits of high-performance computing.

(4) A high-capacity, flexible, high-speed national research and education computer network is needed to provide researchers and educators with access to computational and information resources, act as a test bed for further research and development for high-capacity and high-speed computer networks, and provide researchers the necessary vehicle for continued network technology improvement through research.

(5) Several Federal agencies have ongoing high-performance computing programs, but improved long-term interagency coordination, cooperation, and planning would enhance the effectiveness of these programs.

(6) A 1991 report entitled "Grand Challenges: High-Performance Computing and Communications" by the Office of Science and Technology Policy, outlining a research and development strategy for high-performance computing, provides a framework for a multi-agency high-performance computing program. Such a program would provide American researchers and educators with the computer and information resources they need, and demonstrate how advanced computers, high-capacity and high-speed networks, and electronic data bases can improve the national information infrastructure for use by all Americans.

(7) Additional research must be undertaken to lay the foundation for the development of new applications that can result in economic growth, improved health care, and improved educational opportunities.

(8) Research in new networking technologies holds the promise of easing the economic burdens of information access disproportionately borne by rural users of the Internet.