

**§ 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 Repealed.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 Repealed.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 Repealed.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.
<b>SUBCHAPTER I—HIGH-PERFORMANCE COMPUTING AND THE NATIONAL RESEARCH AND EDUCATION NETWORK</b>	
5511.	National High-Performance Computing Program. <ul style="list-style-type: none"> <li>(a) National High-Performance Computing Program.</li> <li>(b) Advisory committee.</li> <li>(c) Office of Management and Budget.</li> </ul>
5512.	National Research and Education Network. <ul style="list-style-type: none"> <li>(a) Establishment.</li> <li>(b) Access.</li> <li>(c) Network characteristics.</li> <li>(d) Defense Advanced Research Projects Agency responsibility.</li> <li>(e) Information services.</li> <li>(f) Use of grant funds.</li> <li>(g) Report to Congress.</li> </ul>
5513.	Next Generation Internet. <ul style="list-style-type: none"> <li>(a) Establishment.</li> <li>(b) Duties of Advisory Committee.</li> <li>(c) Reports.</li> <li>(d) Authorization of appropriations.</li> </ul>
<b>SUBCHAPTER II—AGENCY ACTIVITIES</b>	
5521.	National Science Foundation activities. <ul style="list-style-type: none"> <li>(a) General responsibilities.</li> <li>(b) Authorization of appropriations.</li> </ul>
5522.	National Aeronautics and Space Administration activities. <ul style="list-style-type: none"> <li>(a) General responsibilities.</li> </ul>

Sec.	
5523.	Department of Energy activities. <ul style="list-style-type: none"> <li>(a) General responsibilities.</li> <li>(b) Collaborative Consortia.</li> <li>(c) Technology transfer.</li> <li>(d) Reports.</li> <li>(e) Authorization of appropriations.</li> </ul>
5524.	Department of Commerce activities. <ul style="list-style-type: none"> <li>(a) General responsibilities.</li> <li>(b) High-performance computing and network security.</li> <li>(c) Study of impact of Federal procurement regulations.</li> <li>(d) Authorization of appropriations.</li> </ul>
5525.	Environmental Protection Agency activities. <ul style="list-style-type: none"> <li>(a) General responsibilities.</li> <li>(b) Authorization of appropriations.</li> </ul>
5526.	Role of Department of Education. <ul style="list-style-type: none"> <li>(a) General responsibilities.</li> <li>(b) Authorization of appropriations.</li> </ul>
5527.	Miscellaneous provisions. <ul style="list-style-type: none"> <li>(a) Nonapplicability.</li> <li>(b) Acquisition of prototype and early production models.</li> </ul>
5528.	Fostering United States competitiveness in high-performance computing and related activities. <ul style="list-style-type: none"> <li>(a) Findings.</li> <li>(b) Annual report.</li> <li>(c) Review of Supercomputer Agreement.</li> <li>(d) Application of Buy American Act.</li> </ul>

**§ 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-