

TITLE 15 - COMMERCE AND TRADE

CHAPTER 81 - HIGH-PERFORMANCE COMPUTING

§ 5502. Purposes

The purposes of this chapter are to help ensure the continued leadership of the United States in high-performance computing and its applications by—

- (1) expanding Federal support for research, development, and application of high-performance computing in order to—
 - (A) expand the number of researchers, educators, and students with training in high-performance computing and access to high-performance computing resources;
 - (B) promote the further development of an information infrastructure of data bases, services, access mechanisms, and research facilities available for use through the Internet;
 - (C) stimulate research on software technology;
 - (D) promote the more rapid development and wider distribution of computing software tools and applications software;
 - (E) accelerate the development of computing systems and subsystems;
 - (F) provide for the application of high-performance computing to Grand Challenges;
 - (G) invest in basic research and education, and promote the inclusion of high-performance computing into educational institutions at all levels; and
 - (H) promote greater collaboration among government, Federal laboratories, industry, high-performance computing centers, and universities;
- (2) improving the interagency planning and coordination of Federal research and development on high-performance computing and maximizing the effectiveness of the Federal Government's high-performance computing network research and development programs;
- (3) promoting the more rapid development and wider distribution of networking management and development tools; and
- (4) promoting the rapid adoption of open network standards.

(Pub. L. 102–194, § 3, Dec. 9, 1991, 105 Stat. 1594; Pub. L. 105–305, § 3(b), Oct. 28, 1998, 112 Stat. 2920.)

Amendments

1998—Pub. L. 105–305, § 3(b)(1), substituted “Purposes” for “Purpose” as section catchline.

Pub. L. 105–305, § 3(b)(2), substituted “purposes of this chapter are” for “purpose of this chapter is” in introductory provisions.

Par. (1)(A). Pub. L. 105–305, § 3(b)(3), redesignated subpar. (B) as (A) and struck out former subpar. (A) which read as follows: “establish a high-capacity and high-speed National Research and Education Network;”.

Par. (1)(B). Pub. L. 105–305, § 3(b)(3), (4), redesignated subpar. (C) as (B) and substituted “Internet” for “Network”. Former subpar. (B) redesignated (A).

Par. (1)(C) to (I). Pub. L. 105–305, § 3(b)(3), (5), redesignated subpars. (D) to (I) as (C) to (H), respectively, and struck out “and” at end of par. (H).

Par. (2). Pub. L. 105–305, § 3(b)(6), substituted “network research and development programs;” for “efforts.”

Pars. (3), (4). Pub. L. 105–305, § 3(b)(7), added pars. (3) and (4).