

**TITLE 42 - THE PUBLIC HEALTH AND WELFARE  
CHAPTER 16 - NATIONAL SCIENCE FOUNDATION****§ 1862o–10. Advanced information and communications technology research****(1) In general**

As part of the Program described in title I of the High-Performance Computing Act of 1991 (15 U.S.C. 5511 et seq.), the Foundation shall support basic research related to advanced information and communications technologies that will contribute to enhancing or facilitating the availability and affordability of advanced communications services for all people of the United States. Areas of research to be supported may include research on—

- (A) affordable broadband access, including wireless technologies;
- (B) network security and reliability;
- (C) communications interoperability;
- (D) networking protocols and architectures, including resilience to outages or attacks;
- (E) trusted software;
- (F) privacy;
- (G) nanoelectronics for communications applications;
- (H) low-power communications electronics;
- (I) implementation of equitable access to national advanced fiber optic research and educational networks in noncontiguous States; and
- (J) such other related areas as the Director finds appropriate.

**(2) Centers**

The Director shall award multiyear grants, subject to the availability of appropriations and on a merit-reviewed competitive basis, to institutions of higher education, nonprofit research institutions affiliated with institutions of higher education, or consortia of either type of institution to establish multidisciplinary Centers for Communications Research. The purpose of the Centers shall be to generate innovative approaches to problems in information and communications technology research, including the research areas described in paragraph (1). Institutions of higher education, nonprofit research institutions affiliated with institutions of higher education, or consortia receiving such grants may partner with 1 or more government laboratories, for-profit entities, or other institutions of higher education or nonprofit research institutions.

**(3) Funding allocation**

The Director shall increase funding for the basic research activities described in paragraph (1), which shall include support for the Centers described in paragraph (2), in proportion to the increase in the total amount appropriated to the Foundation for research and related activities for the fiscal years 2008 through 2010.

**(4) Report to Congress**

The Director shall transmit to Congress, as part of the President's annual budget submission under section 1105 of title 31, a report on the amounts allocated for support of research under this section for the fiscal year during which such report is submitted and the levels proposed for the fiscal year with respect to which the budget submission applies.

(Pub. L. 110–69, title VII, § 7024(b), Aug. 9, 2007, 121 Stat. 689.)

**References in Text**

The High-Performance Computing Act of 1991, referred to in par. (1), is Pub. L. 102–194, Dec. 9, 1991, 105 Stat. 1594. Title I of the Act is classified generally to subchapter I (§ 5511 et seq.) of chapter 81 of Title 15, Commerce

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*NB: This unofficial compilation of the U.S. Code is current as of Jan. 5, 2009 (see <http://www.law.cornell.edu/uscode/uscp rint.html>).*

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and Trade. For complete classification of this Act to the Code, see Short Title note set out under section 5501 of Title 15 and Tables.

### **Codification**

Section was enacted as part of the America COMPETES Act, also known as the America Creating Opportunities to Meaningfully Promote Excellence in Technology, Education, and Science Act, and not as part of the National Science Foundation Act of 1950 which comprises this chapter.

### **Definitions**

For definitions of terms used in this section, see section 7001 of Pub. L. 110–69, set out as a note under section 1862o of this title.