

Abstract

The Federal agencies that participate in the Networking and Information Technology Research and Development (NITRD) Program coordinate their IT research activities both to support critical agency missions and to maintain U.S. leadership in advanced computing, networking, and information technologies. The NITRD Program's collaborative approach enables agencies to leverage strengths, avoid duplication, and increase the interoperability of research accomplishments to maximize the utility of Federal R&D investments. This Supplement to the President's FY 2004 Budget summarizes FY 2003 NITRD accomplishments and FY 2004 plans, as required by the High-Performance Computing Act of 1991.

The report highlights in particular the end results of NITRD research – innovative applications of information technologies in every sphere of the national interest, from national defense and homeland security to advanced scientific and engineering research, business and industry, education, and health care.

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Congress requires information concerning non-U.S. high-performance computing and communications funding activities. In FY 2003, DARPA was the only NITRD agency that entered into grants, contracts, cooperative agreements, or cooperative research and development agreements for information technology research and development with either 1) a company other than a company that is either incorporated or located in the U.S. and that has majority ownership by individuals who are citizens of the U.S., or 2) an educational institution or nonprofit institution located outside the U.S. DARPA funded an IT research-related award of \$1.075 million to Cambridge University, Cambridge (UK). In FY 2003, no NITRD procurement exceeds \$1 million for unmanufactured articles, materials, or supplies mined or produced outside the U.S., or for manufactured articles, materials, or supplies other than those manufactured in the U.S. substantially all from articles, materials, or supplies mined, produced, or manufactured in the U.S.

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