



Institute for Defense Analyses
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**‘Think Tanks’ and Government Information:
 Contributions by Federally Funded Research and
 Development Centers**

Presentation to the
 Special Libraries Association
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The views expressed are those of the author and do not necessarily represent the views of the Institute for Defense Analyses, the Department of Defense, or any other U.S. Government entity



Introducing the Institute for Defense Analyses

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Federally Funded Research & Development Centers

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What Is an FFRDC?

Federally funded research and development centers, or FFRDCs, are unique, independent entities sponsored and funded by the U.S. government to meet long-term technical needs that cannot be met as effectively by existing governmental or contractor resources. FFRDCs typically assist government agencies with scientific research and analysis, systems development, and systems acquisition. They bring together the expertise and outlook of government, industry, and academia to solve complex technical problems.

FFRDCs work in the public interest and operate as strategic partners with their sponsoring government agencies to ensure the highest levels of objectivity and technical excellence. They are typically managed by a university or nonprofit parent organization in accordance with regulatory guidelines.

First established during World War II, FFRDCs operate in the industries of defense, energy, aviation, space, health and human services, and tax administration. There are currently some 36 different FFRDCs sponsored by the government.

The Institute for Defense Analyses operates three FFRDCs: one for the Office of the Secretary of Defense, a second for the National Security Agency, and a third for the Office of Science and Technology Policy in the Executive Office of the President and the National Science Foundation. Our sponsors turn to IDA for two very important reasons: our independence and our freedom from conflicts of interest.

- National Science Foundation maintains a list of all FFRDCs as required by law

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IDA's Core Competencies (1)

- **Systems Evaluations**
 - Tactical Systems and Missile Defense
 - C3, Surveillance, and Space Systems
 - Information and Computing Systems
 - Test and Evaluation
- **Technology Assessments**
 - Sensors, Surveillance, and Target Acquisition
 - Space, Air, and Missile Technologies
 - Biological Science and Technology
 - Materials
 - Computer and Information Technologies
 - Technology Planning and Strategy
 - International Technology Planning and Controls



IDA's Core Competencies (2)

- **Resource and Support Analyses**
 - Cost Analyses
 - Acquisition Planning and Resource Management
 - Training, Readiness, and Personnel Issues
- **Force and Strategy Assessments**
 - Irregular Warfare Planning and Experimentation
 - Joint Force Planning, Operations, and Assessments
 - Improving DoD Processes and Organizations
 - National Security Strategy Issues



IDA's Work

- Provide Advice
 - Based on collection and analysis of data
- Development of Processes
 - Planning, Programming, Budgeting
 - Acquisition
 - Lessons Learned
 - Personnel Management
 - Training, Training Evaluation
- Development of Methods and Tools
 - Modeling and Simulation
 - Test and Evaluation Tools
 - Data Evaluation Tools

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IDA's Products

- Formal Reports/Papers
- Documents
- Informal Deliverables
- IDA Research Notes
- Annual Reports

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Accessing IDA Products

- Defense Technical Information Service
- National Technical Information Service
- IDA Publications Office

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Backup Slides

DoD Directive 3200.12

- DOD Policy in DoD Directive 3200.12, "DOD Scientific and Technical Information Program"

The Department of Defense shall aggressively pursue a coordinated and comprehensive STIP, thereby providing maximum contribution to the advancement of science and technology. The STIP shall permit timely, effective, and efficient conduct and management of DoD research and engineering (R&E) and studies programs, and eliminate unnecessary duplication of effort and resources by encouraging and expediting the interchange and use of STI. Interchange and use of DoD STI is intended to include the DoD Components, their contractors, other Federal Agencies, their contractors, and the national and international R&E community.

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DOD Instruction 3200.14,

- DOD Instruction 3200.14, Principles and Operational Parameters of the DoD Scientific and Technical Information Program

Ensure that all significant scientific or technological observations, findings, recommendations, and results derived from DoD endeavors, including those generated under contracts, grants, and other instruments that are pertinent to the DoD mission or contribute to the DoD and/or the national scientific or technological base are recorded as "technical documents." Internal and contractual procedures shall ensure that copies of such documents are made available to the DoD R&E community . . .

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Master Government List of Federally Funded R&D Centers Special Reports | NSF 06-316 | revised May 2007 (1)

- **Department of Defense**
 - **Office of the Secretary of Defense**
 - Administered by other nonprofit institutions:^[1]
 - **Institute for Defense Analysis Studies and Analysis Federally Funded Research and Development Center** (Institute for Defense Analysis), Alexandria, VA
 - **National Defense Research Institute** (RAND Corp. ^[2]), Santa Monica, CA
 - **CA Federally Funded Research & Development Center** (MITRE Corp.), Bedford, MA, and McLean, VA
 - **National Security Agency**
 - Administered by other nonprofit institutions:^[1]
 - **Institute for Defense Analysis Communications and Computing Federally Funded Research and Development Center** (Institute for Defense Analysis), Alexandria, VA
- **Department of the Navy**
 - Administered by other nonprofit institutions:^[1]
 - **Center for Naval Analysis** (The CNA Corporation), Alexandria, VA
- **Department of the Air Force**
 - Administered by universities and colleges:^[4]
 - **Lincoln Laboratory** (Massachusetts Institute of Technology), Lexington, MA
 - Administered by other nonprofit institutions:^[1]
 - **Aerospace Federally Funded Research and Development Center** (The Aerospace Corporation), El Segundo, CA
 - **Project Air Force** (RAND Corp. ^[2]), Santa Monica, CA
- **Department of the Army**
 - Administered by universities and colleges:^[4]
 - **Software Engineering Institute** (SEI) (Carnegie Mellon University), Pittsburgh, PA
 - Administered by other nonprofit institutions:^[1]
 - **Aerospace Center** (RAND Corp. ^[2]), Santa Monica, CA
- **Department of Energy** (E)
 - Administered by industrial firms:
 - **Idaho National Laboratory** (Battelle Energy Alliance, LLC) ^[7], Idaho Falls, ID
 - **Los Alamos National Laboratory** (LANL) (Los Alamos National Security, LLC), Los Alamos, NM
 - **Sandia National Laboratories** (Sandia Corporation, a subsidiary of Lockheed Martin Corp.), Albuquerque, NM
 - **Savannah River National Laboratory** (Westinghouse Savannah River Co.), Aiken, SC ^[12]
- Administered by universities and colleges:^[4]
 - **Ames Laboratory** (Iowa State University of Science and Technology), Ames, IA
 - **Argonne National Laboratory** (University of Chicago), Argonne, IL
 - **Florida Orlando Lawrence Berkeley National Laboratory** (University of California), Berkeley, CA
 - **Fermi National Accelerator Laboratory** (Universities Research Association, Inc.), Batavia, IL
 - **Lawrence Livermore National Laboratory** (University of California), Livermore, CA
 - **Princeton Plasma Physics Laboratory** (Princeton University), Princeton, NJ
 - **Stanford Linear Accelerator Center** (Leland Stanford, Jr., University), Stanford, CA
 - **Thomas Jefferson National Accelerator Facility** (Jefferson Science Associates, LLC), Newport News, VA ^[14]

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- **Department of Energy (continued)**
- Administered by other nonprofit institutions: [11](#)
- **Brookhaven National Laboratory (9)** (Brookhaven Science Associates, Inc., Upton, Long Island, NY)
- **National Renewable Energy Laboratory (10)** (Midwest Research Institute; Battelle Memorial Institute; Bechtel National, Inc.), Golden, CO
- **Oak Ridge National Laboratory (11)** (UT-Battelle, LLC), Oak Ridge, TN
- **Pacific Northwest National Laboratory** (Battelle Memorial Institute), Richland, WA
- **Department of Health and Human Services**
- **National Institutes of Health**
- Administered by industrial firms:
- **National Cancer Institute at Frederick (12)** (Science Applications International Corp.; Charles River Laboratories, Inc.; Data Management Services, Inc.; Wilson Information Services, Inc.), Frederick, MD
- (Center for Enterprise Modernization, MITRE Corp.), McLean, VA
- Department of Homeland Security**
- **Under Secretary for Science & Technology**
- Administered by other nonprofit institutions: [11](#)
- **Homeland Security Institute (13)** (Analytic Services, Inc.), Arlington, VA
- **National Biodefense Analysis & Countermeasures Center (14)** (Battelle National Biodefense Institute), Frederick, MD
- National Science Foundation**
- Administered by other nonprofit institutions: [11](#)
- **Science and Technology Policy Institute (15)** (Institute for Defense Analysis), Washington, DC
- National Aeronautics and Space Administration**
- Administered by universities and colleges: [18](#)
- **Jet Propulsion Laboratory** (California Institute of Technology), Pasadena, CA
- **National Science Foundation**
- Administered by universities and colleges: [14](#)
- **National Astronomical and Ionosphere Center** (Cornell University), Ithaca, NY
- **National Center for Atmospheric Research** (University Corporation for Atmospheric Research), Boulder, CO
- **National Optical Astronomy Observatories (14)** (Association of Universities for Research in Astronomy, Inc.), Tucson, AZ
- **National Radio Astronomy Observatory** (Associated Universities, Inc.), Charlottesville, VA
- Nuclear Regulatory Commission**
- Administered by other nonprofit institutions: [11](#)
- **Center for Nuclear Waste Regulatory Analyses** (Southwest Research Institute), San Antonio, TX
- Department of Transportation**
- **Federal Aviation Administration**
- Administered by other nonprofit institutions: [11](#)
- **Center for Advanced Aviation System Development** (MITRE Corp.), McLean, VA
- Department of the Treasury**
- **Internal Revenue Service**
- Administered by other nonprofit institutions: [11](#)
- **Internal Revenue Service (IRS) Federally Funded Research and Development Center (16)**

