

DEPARTMENT OF ENERGY
FY 1999 CONGRESSIONAL BUDGET REQUEST
OTHER DEFENSE ACTIVITIES
(Tabular dollars in thousands, Narrative in whole dollars)

INTELLIGENCE

PROGRAM MISSION

The Intelligence mission is to provide the Department, other U.S. Government policymakers, and the Intelligence Community with timely, accurate, high impact foreign intelligence analyses; to ensure that the Department's technical, analytical and research expertise is made available to the Intelligence Community in accordance with Executive Order 12333; to deter and neutralize foreign intelligence service actions (HUMINT) in the U.S. from acquiring sensitive information (classified and unclassified) involving DOE programs, facilities, technology, and personnel; to provide quick-turnaround, specialized technology applications and operational support to the intelligence, special operations, and law enforcement communities; and to provide threat assessment support to the Department's Headquarters and field operations.

The GOAL of the Intelligence Program is to support the National Security of the United States and have a direct impact on the policymaking process by providing actionable intelligence and/or technical support to intelligence operations that either reaffirms or amends existing policy, or initiates new policy actions. The Department's intelligence program serves four core policy areas: nuclear proliferation and weapons analysis, science and technology (S&T), energy security, and nuclear energy, safety and waste.

The OBJECTIVES related to this goal are to provide technical and analytical intelligence support to U.S. efforts to:

1. Improve nuclear materials protection, control, and accountability in the former Soviet Union;
2. Assist in the safe and secure dismantlement of former Soviet nuclear weapons;
3. Conclude Comprehensive Test Ban and Fissile Materials Cut-off treaties;
4. Verify foreign compliance with international treaties in the nuclear arena;

PROGRAM MISSION - INTELLIGENCE (Cont'd)

5. Limit and redirect North Korea's nuclear weapons program;
6. Address the challenge of global nuclear proliferation through the innovative and broad application of DOE assets;
7. Help identify low probability/high impact scenarios in our core areas;
8. Encourage and facilitate the application of DOE laboratory expertise to Intelligence Community technology development requirements;
9. Provide specialized technical support to operations in the intelligence, law enforcement, and special operations communities;
10. Assess threats to DOE personnel, operations and facilities from foreign and domestic adversaries; and
11. Assess the credibility of nuclear threats received worldwide and support efforts for the prevention of illicit nuclear materials trafficking.

PERFORMANCE MEASURES:

1. Provide 3,000 intelligence briefings for program and policy officials.
2. Publish 1,200 current intelligence products and studies.
3. Provide nuclear weapons-related training for 260 intelligence community personnel in support of U.S. Government nonproliferation initiatives.
4. Provide 12 counterintelligence awareness training sessions in support of counterespionage initiatives.
5. Conduct 70 counterintelligence travel briefings/debriefings.
6. Complete and transition 3-5 Special Technologies projects.

PROGRAM MISSION - INTELLIGENCE (Cont'd)

SIGNIFICANT FY 1997 ACCOMPLISHMENTS AND PROGRAM SHIFTS:

- Provided assessments of threats to DOE facilities and interests and collaborated with the FBI's National Center for the Analysis of Violent Crime for joint information and data sharing.
- Provided rapid credibility assessment of any threats made involving nuclear weapons, devices or materials, and supported rapid credibility assessment of potential nuclear weapons or materials smuggling activities.
- Served as the analytical lead in various intelligence analyses.
- Provided an on-call capability to rapidly identify and provide unique DOE expertise/technologies to support federal agencies' varied missions: for example, deployed equipment and technical personnel overseas to support U.S. Military and Department of State operations.
- Provided support to specialized intelligence operations, to include the development/enhancement of a suite of sensitive, lightweight, compact and inexpensive radiation detection equipment; an on-call capability, through selected Department of Energy (DOE) laboratories, to analyze spectral data and identify/classify suspect nuclear materials; specialized training on nuclear health physics and the use of the detection equipment; and a full-time DOE laboratory technical advisor.
- Conducted a joint program with U.S. Customs Service to assess the capabilities of selected commercial and field prototype equipment, under a variety of simulated border scenarios, to detect and analyze radioactive materials. Results provided a reference for USCS and other law enforcement agencies to identify radiation detection technology that best suits their specific needs.
- In a collaborative effort with the Joint Staff, conducted a workshop to discuss Department of Defense mission requirements related to tagging, tracking, and locating and identify technologies to meet specific user needs, with follow-on participation in an Advanced Concept Technology Demonstration to select and evaluate technologies in the field.
- Developed two specialized communications systems for supporting intelligence operations and transition to a user agency for further development.

INTELLIGENCE

I. Mission Supporting Goals and Objectives

Provide analysis and reporting on: the status and direction of emerging nuclear weapons programs of proliferant nations; countries engaged in the supply of nuclear technology, equipment, and material to proliferant programs; the production and disposition of fissile material worldwide, with special emphasis on the implications of the breakup of the former Soviet Union and its impact on the control and accountability of special nuclear material in its possession; the foreign economic threat to U.S. energy resources and U.S. energy security; the impact of changes in global energy markets on U.S. industrial competitiveness, while emphasizing opportunities and challenges to U.S. exports; the identification of foreign nuclear facilities posing risk to health and the environment and implications of a massive release of radiation; foreign technology plans, priorities, and commercial applications of leading edge technologies deemed critical by the Department and the White House Office of S&T Policy; and foreign dual-use technologies in Russia and China. Operate a department-wide CI program which focuses on detecting and defeating intelligence threats from traditional and non-traditional adversaries directed against DOE. Assess threats to the Department's Headquarters and field operations. Assist intelligence, law enforcement and special operations communities in effectively tapping into DOE lab technology base, including by developing rapid turnaround specialized technology applications.

II. Funding Schedule:

Program Activity	FY 1997	FY 1998	FY 1999	\$ Change	% Change
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Intelligence Activities	\$ 34,090	\$ 33,600	\$ 33,600	\$ 0	\$ 0
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Total, Intelligence <u>a/</u>	\$ 34,090	\$ 33,600	\$ 33,600	\$ 0	\$ 0
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a/ FY 1997 includes \$3.3M for Threat Assessment funded in Emergency Management in FY 1998.

III. Performance Summary:

FY 1997 Accomplishments:

- Initiated 29 technology applications projects. Eleven projects were transitioned to other federal agencies, other DOE program offices, or as the basis for initiating related efforts.
- Maintained a current compendium of information on foreign nuclear facilities.
- Provided 2,400 briefings on energy security topics.
- Distributed 28 counterintelligence bulletins
- Provided 13,972 defensive counterintelligence briefings.

FY 1998 and FY 1999 Accomplishments:

- Provide analyses supporting U.S. Government policies in foreign material control and accountability.
- Provide technical evaluations of foreign nuclear dismantlement programs.
- Provide training sessions for DOE and Intelligence Community analysts.
- Develop quick turnaround, specialized technology applications to meet near-term national security requirements within the intelligence, special operations, and law enforcement communities.
- Expand the on-call capability to rapidly support specialized intelligence operations with additional technical personnel, equipment, and analytical capabilities.