

Other Defense Activities Office of Security

Overview

Appropriation Summary by Program

(dollars in thousands)

	FY 2003 Comparable Appropriation	FY 2004 Original Appropriation	FY 2004 Adjustments	FY 2004 Comparable Appropriation	FY 2005 Request
Other Defense Activities					
Office of Security	241,833	257,712	-1,486a	256,226	255,101
Subtotal, Other Defense Activities	241,833	257,712	-1,486	256,226	255,101
Use of Prior-Year Balances	-11,175	0	-4,983	-4,983	0
Less Security Charge for Reimbursable Work	-712	-712	0	-712	0
Total, Other Defense Activities, (SO)	229,946	257,000	-6,469	250,531	255,101

Funding Profile by Subprogram

	FY 2003 Comparable Appropriation	FY 2004 Original Appropriation	FY 2004 Adjustments	FY 2004 Comparable Appropriation	FY 2005 Request
Office of Security					
Nuclear Safeguards and Security	144,512	150,668	-863a	149,805	143,197
Security Investigations	45,579	54,554	-320a	54,234	53,554
Program Direction	51,742	52,490	-303a	52,187	58,350
Sub-total, Office of Security	241,833	257,712	-1,486	256,226	255,101
Use of Prior-Year Balances	-11,175	0	-4,983	-4,983	0
Less Security Charge for Reimbursable Work	-712	-712	0	-712	0
Total, Other Defense Activities, (SO)	229,946	257,000	-6,469	250,531	255,101

Public Law Authorizations:

P.L. 83-703, "Atomic Energy Act of 1954"

P.L. 95-242, "Nuclear Non-Proliferation Act of 1978"

P.L. 103.62, "Government Performance and Results Act of 1993"

Preface

The Office of Security develops strategies and policies governing the protection of national security and

a Distribution of the rescission from the Consolidated (Omnibus) Appropriations Bill for FY 2004.

other assets entrusted to the Department of Energy. The Office of Security also manages the Department's Operations Center; Continuity of Operations (COOP) and Continuity of Government (COG) Plans, provides protection for DOE facilities in the National Capital area, and nuclear materials tracking and accounting programs.

Within the Other Defense Activities appropriation, the Security program has three (3) subprograms: Nuclear Safeguards and Security (three key activities: Operational Support; Technology and Systems Development; and Classification/Declassification); Security Investigations; and Program Direction.

This Overview will describe Strategic Context, Mission, Benefits, and Significant Program Shifts. These items together put this appropriation in perspective.

Strategic Context

Following publication of the Administration's National Energy Policy, the Department developed a Strategic Plan that defines its mission, four strategic goals for accomplishing that mission, and seven general goals to support the strategic goals. As stated in the Departmental Strategic Plan, DOE's Strategic and General Goals will be accomplished not only through the efforts of the major program offices in the Department but with additional effort from offices which support the programs in carrying out the mission. The Office of Security performs critical functions which directly support the mission of the Department as described in the Mission statement below.

Mission

The overall security mission for the Department of Energy is to contribute, in partnership with others, to the Nation's security by protecting America's nuclear deterrence capabilities from a spectrum of diverse threats. In concert with this mission, the Office of Security develops and promulgates clear and consistent safeguards and security strategies and policy governing the protection of national security and other critical assets entrusted to the Department. In addition, the Office of Security manages security operations for DOE facilities in the National Capital area as well as the DOE Headquarters Operations Centers and the Department's programs for Continuity of Operations (COOP) and Continuity of Government (COG).

The Office of Security performs critical functions which directly support the mission of the Department as part of the following budget structure.

- Nuclear Safeguards and Security (NSS) Program
 - Operational Support
 - Technology and Systems Development
 - Classification, Declassification, and Controlled Information

- **Security Investigations**

- **Program Direction**

NSS Operational Support funds: 1) the Department's official system of record for special nuclear materials (SNM) to satisfy statutory requirements and international obligations as well as a system for standardized site reporting of nuclear materials safeguards data; 2) support for the development and promulgation of Department-wide security policy; 3) Headquarters Security to protect personnel, facilities, Government property and classified matter at Headquarters sites; 4) the Department-wide process for granting of access to foreign nationals to DOE Federal and contractor facilities as well as the approval, control and reporting on DOE-wide official foreign travel; 5) DOE Headquarters Operations Centers, the Emergency Communications Network (ECN), and the Continuity of Operations/Continuity of Government program; and 6) security training and education to personnel throughout the DOE complex.

NSS Technology and Systems Development funds cross cutting technology solutions that enhance the Department's ability to defend against threats to its nuclear weapons, special nuclear materials, classified information, and other key assets and personnel.

NSS Classification, Declassification, and Controlled Information: 1) provides Government-wide and Department-wide policies and guidance to identify nuclear weapons and other information that warrant protection in the interest of national security; and 2) supports declassification reviews and audits of classified documents as well as providing training and assistance programs throughout the Government to ensure consistent protection of the most sensitive information.

The Security Investigations Program centrally funds all background investigations for DOE Federal employees and contractors who, in the performance of their official duties, require access authorizations for Restricted Data, National Security Information, or certain quantities of special nuclear material.

Program Direction: Provides Federal salaries and related support at DOE Headquarters, NNSI, and New Brunswick Laboratory to carry out the program's mission.

Benefits

The Office of Security provides the framework for a comprehensive and balanced Departmental security posture by supporting its energy security, accountability, and emergency management mandates. The Department's principal tool in its national security mandate is policy – a key functional element of the Office of Security. Recent development of the Design Basis Threat and Strategic Security Plan provides the basic policy roadmap for how DOE must respond to perceived threats now and well into the future. Part of this strategy is to invest in high-risk, high value Department-wide security technology solutions that enhance and strengthen the Department's security posture. Security enhancements at National Capital Region facilities help ensure the physical protection of DOE leaders and employees. The energy operations center enables the Department to respond to operational, energy, and emergency assistance situations. The continuity of operations program can relocate and support DOE operations and support Executive Branch and national requirements for executive succession. We develop standards, manage and supervise Department-wide compliance over a wide range of operations such as security training, nuclear material accountability, and classified information. These initiatives and daily activities are critical to the Department's Mission and Strategic Plan.

Significant Program Shifts

Based on a re-evaluation of core functions, Department-wide security training will be restructured to meet mission requirements.

Based on a reevaluation of mission requirements, the Technology and Systems Development sub-program will eliminate performance testing and associated capital equipment funding in FY 2005.

Other Defense Activities Office of Security

Funding by Site by Program

	(dollars in thousands)				
	FY 2003	FY 2004	FY 2005	\$ Change	% Change
Chicago Operations Office					
Argonne National Laboratory	750	750	750	0	0.0%
Chicago Operations Office	454	613	643	+30	+4.9%
New Brunswick Laboratory.....	6,411	7,771	6,537	-1,234	-15.9%
Total, Chicago Operations Office	7,615	9,134	7,930	-1,204	-13.2%
Idaho Operations Office					
Idaho National Engineering and Environmental Laboratory	1,067	1,252	1,212	-40	-3.2%
Idaho Operations Office	634	1,117	1,292	+175	+15.7%
Total, Idaho Operations Office	1,701	2,369	2,504	+135	+5.7%
Livermore Site Office					
Livermore Site Office.....	3,131	2,276	182	-2,094	-92.0%
Total, Livermore Site Office.....	3,131	2,276	182	-2,094	-92.0%
Los Alamos Site Office					
Los Alamos National Laboratory	5,435	5,695	5,399	-296	-5.2%
Total, Los Alamos Site Office.....	5,435	5,695	5,399	-296	-5.2%
Nevada Site Office					
Nevada Site Office	6,828	7,923	9,166	+1,243	+15.7%
Total, Nevada Site Office	6,828	7,923	9,166	+1,243	+15.7%
NNSA Service Center					
NNSA Service Center	28,142	34,680	32,582	-2,098	-6.1%
Nonproliferation and National Security Institute.....	12,989	12,349	8,341	-4,008	-32.5%
Total, NNSA Service Center	41,131	47,029	40,923	-6,106	-13.0%
Oak Ridge Operations Office					
Oak Ridge Institute for Science & Education	500	838	500	-338	-40.3%
Oak Ridge National Laboratory.....	0	10	0	-10	-100.0%
Oak Ridge Operations Office.....	2,624	3,329	3,696	+367	+11.0%
Total, Oak Ridge Operations Office.....	3,124	4,177	4,196	+19	+0.5%
Pantex Site Office					
Pantex Plant.....	25	5	25	+20	+400.0%
Total, Pantex Site Office	25	5	25	+20	+400.0%
Richland Operations Office					
Hanford Site	89	89	89	0	0.0%

(dollars in thousands)

	FY 2003	FY 2004	FY 2005	\$ Change	% Change
Pacific Northwest National Laboratory	3,238	3,614	2,244	-1,370	-37.9%
Richland Operations Office	1,933	2,302	2,425	+123	+5.3%
Total, Richland Operations Office	5,260	6,005	4,758	-1,247	-20.8%
Sandia Site Office					
Sandia National Laboratories	10,396	11,990	10,230	-1,760	-14.7%
Total, Sandia Site Office	10,396	11,990	10,230	-1,760	-14.7%
Savannah River Operations Office					
Savannah River Operations Office	8,372	8,271	9,541	+1,270	+15.4%
Savannah River Site	1,549	2,436	2,450	+14	+0.6%
Total, Savannah River Operations Office	9,921	10,707	11,991	+1,284	+12.0%
Washington Headquarters					
Office of Scientific and Tech Information	330	295	415	+120	+40.7%
Washington Headquarters	144,571	147,031	157,182	+10,153	+6.9%
Total, Washington Headquarters	144,901	147,326	157,527	+10,273	+7.0%
Y-12 Site Office					
National Security Complex	2,365	1,590	200	-1,390	-87.4%
Total, Y-12 Site Office	2,365	1,590	200	-1,390	-87.4%
Subtotal, Office of Security	241,833	256,226	255,101	-1,125	-0.4%
Use of Prior Year Balances	-11,175	-4,983	0	+3,483	+100.0%
Less Security Charge for Reimbursable Work	-712 a	-712	0	+712	+100.0%
Total, Office of Security	229,946	250,531	255,101	+4,570	+1.8%

a For FY 2003 and FY 2004, the site funding for NBL is \$712K higher due to the security charge for reimbursable work.
Other Defense Activities/Office of Security/ Funding by Site FY 2005 Congressional Budget

Site Description

Chicago Operations Office

Security Investigations

The Security Investigations budget provides funding for background investigations conducted by the Federal Bureau of Investigation (FBI) and the Office of Personnel Management (OPM) for DOE Federal employees and contractors under the auspices of the Chicago Operations Office.

Argonne National Laboratory (ANL)

Nuclear Safeguards and Security

ANL supports tasks associated with the Foreign Ownership, Control, or Influence (FOCI) program facilitating an e-FOCI database of information that ensures a thorough DOE investigation of foreign ownership, control or influence on contracts involving classified information of special nuclear materials. The e-FOCI system is an e-Government initiative.

New Brunswick Laboratory (NBL)

Nuclear Safeguards and Security

NBL located at Argonne, Illinois, is the U.S. Government's nuclear material measurements and standards laboratory and is a Federal Center of Excellence in nuclear material measurement science. The laboratory provides and maintains an internationally compatible nuclear material reference base for domestic and international measurements for nuclear material accountability.

Program Direction

Funding supports salaries and benefits, travel, training, and contractual services in support of the Federal personnel.

Idaho Operations Office

Security Investigations

The Security Investigations budget provides funding for background investigations conducted by the Federal Bureau of Investigation (FBI) and the Office of Personnel Management (OPM) for DOE Federal employees and contractors under the auspices of the Idaho Operations Office.

Idaho National Engineering and Environmental Laboratory (INEEL)

Nuclear Safeguards and Security

INEEL provides technical assistance and engineering support for: review and evaluation of security design requirements; site safeguards and security plan reviews; development and refinement of security design criteria; and day-to-day technical support of the Headquarters security alarm and access control system.

Livermore Site Office/Lawrence Livermore National Laboratory (LLNL)

Nuclear Safeguards and Security

The LLNL technology development program focuses on physical security and Materials Control and Accounting (MC&A). Physical security activities focus on expanding the ability of current alarm communication and access control systems to interact more effectively during an emergency situation (e.g., fire protection, radiological release monitoring). MC&A provides enhanced measurement capabilities that increase accuracy and reduce the amount of time required to perform measurements. The Classification, Declassification, and Controlled Information Program is supported by providing classification/declassification technical expertise in the following areas: nuclear weapons, material production, material disposition, computer codes, arms control, subcritical experimentation (experiments, in lieu of weapon testing, conducted underground at the Nevada Test Site with very small amounts of plutonium and high explosives), homeland security, guidance streamlining initiative, novel methods of uranium enrichment, and intelligence issues. In addition, LANL provides analysis and reports on the detailed content and proliferation potential of certain nuclear weapon-related information available in the public domain.

Los Alamos Site Office/Los Alamos National Laboratory (LANL)

Nuclear Safeguards and Security

Work at LANL is designed to address current, evolving, and future needs, primarily in MC&A. MC&A activities include the development of measurement technologies and instrumentation to quantify difficult-to-measure or shielded special nuclear materials. Other LANL activities include the development of standards for special nuclear materials to calibrate instruments around the complex; evaluation and modification of commercial measurement systems to meet DOE requirements; and specialized technical expertise and support to the Classification, Declassification, and Controlled Information Program in the following areas: weapons, material production, material disposition, computer codes, commercial inorganic membranes (permits private sector to utilize gaseous diffusion technology to develop filters for commercial use), centrifuges, and novel methods of uranium enrichment.

Nevada Site Office

Nuclear Safeguards and Security

Activities conducted at the Remote Sensing Laboratory and the Special Technologies Laboratory focus on development of advanced physical security technologies, including the testing of physical security systems to determine if they meet DOE-specific requirements. To assist protective force personnel, activities are focused on integrating a graphical positional system into protective force gear to provide real-time tracking of personnel. The Remote Sensing Laboratory also provides support for the DOE Operations Center and the maintenance, upgrade, and expansion of the Emergency Communications Network (ECN). Nevada also provides unique technical expertise and support to the Classification, Declassification, and Controlled Information Program in the following areas: nuclear weapons testing, subcritical experimentation (experiments, in lieu of weapon testing, conducted underground at the Nevada Test Site with very small amounts of plutonium and high explosives), radiological emergency response, and stockpile stewardship.

NNSA Service Center - Albuquerque

Nuclear Safeguards and Security

The Classification, Declassification, and Controlled Information Program receives support in the development of classification guidance in the areas of nuclear weapons, material disposition, intelligence, and chemical/biological weapons.

Security Investigations

The Security Investigations budget provides funding for background investigations conducted by the Federal Bureau of Investigation (FBI) and the Office of Personnel Management (OPM) for DOE Federal employees and contractors under the auspices of the Albuquerque NNSA Service Center.

Nonproliferation and National Security Institute (NNSI), Albuquerque

Nuclear Safeguards and Security

NNSI is located in Albuquerque, New Mexico, and reports to the Office of Security at Headquarters. NNSI was established to be the DOE leader in the development of standardized state-of-the-art security training methodology and for integrating comprehensive and professionally executed training, education, and vocational services. NNSI provides training and education services and support to the Office of Security as follows:

- Safeguards and Security Central Training Academy
- Foreign Interaction Training Academy
- Accelerated Access Authorization Program Test Center

Since the September 11 attacks, NNSI is actively involved in conducting DOE training and education for a major component of the Homeland Defense effort. This includes: identifying and countering foreign intelligence threats; providing value-added defensive counterintelligence; and conducting employee self-defense briefings, debriefings, and specific awareness training about national security issues.

Security Investigations

NNSI receives funding for maintaining the DOE Test Center/Accelerated Access Authorization Program (AAAP) located in Albuquerque, New Mexico and Oak Ridge, Tennessee, and the Safeguards and Security Awareness Program. The AAAP expedites the placement of urgently required personnel through processing a “Q” interim access authorization prior to completion of the standard background investigation. NNSI also develops and distributes annual refresher security briefing material for Department-wide use via the Internet.

Oak Ridge Operations Office

Nuclear Safeguards and Security

Oak Ridge Operations Office provides support to the Classification, Declassification, and Controlled Information Program by: reviewing documents for declassification requested under the Energy

Other Defense Activities/Office of Security/
Funding by Site

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Employees Occupational Illness Compensation Program and Environment, Safety, and Health civil suits and, by providing technical expertise and support for the following areas: nuclear weapons, material production, material disposition, commercial inorganic membranes (permits private sector to utilize gaseous diffusion technology to develop filters for commercial use), centrifuges, and novel methods of uranium enrichment.

Security Investigations

The Security Investigations budget provides funding for background investigations conducted by the Federal Bureau of Investigation (FBI) and the Office of Personnel Management (OPM) for DOE Federal employees and contractors under the auspices of the Oak Ridge Operations Office.

Oak Ridge Institute for Science & Education (ORISE)

Nuclear Safeguards and Security

ORISE provides technical support for the implementation, training, operation, and quality assurance of the Personnel Security Assurance Program, and a variety of research and analysis activities in support of the personnel security function.

Pantex Site Office/Pantex Plant

Nuclear Safeguards and Security

Technical expertise and support is provided to the Classification, Declassification, and Controlled Information Program in the following areas: nuclear weapons production and military use, stockpile stewardship, and specific nuclear weapon system guidance.

Richland Operations Office

Security Investigations

The Security Investigations budget provides funding for background investigations conducted by the Federal Bureau of Investigation (FBI) and the Office of Personnel Management (OPM) for DOE Federal employees and contractors under the auspices of the Richland Operations Office.

Hanford Site

Nuclear Safeguards and Security

Hanford provides field expertise, technical support and assistance for the review, update and consolidation of safeguards and security orders, policies, and field guidance.

Pacific Northwest National Laboratory (PNNL)

Nuclear Safeguards and Security

PNNL provides technical expertise, assistance, training, and awareness in support of information security. Activities include the identification and resolution of security problems across DOE. Technical assistance is provided to support special nuclear material consolidation, the Master Safeguards and Security (S&S) Agreement, the Site S&S Plan, and performance testing. PNNL provides technical, analytical, operational, and training support to the Office of Foreign Visits, Assignments, and Other Defense Activities/Office of Security/
Funding by Site

Travel in support of their Foreign Access Central Tracking System.

Sandia Site Office/Sandia National Laboratories (SNL), Albuquerque

Nuclear Safeguards and Security

Sandia focuses on development of technologies and systems required to protect the Department from catastrophic consequences such as use of nuclear weapons and/or material for malevolent purposes or the erosion of national security secrets through theft or diversion of classified materials or information. Technical assistance is provided for assessment of site vulnerability analysis and site safeguards and security plans. The technology development program focuses on physical security technologies to protect and secure the DOE complex. Activities include developing countermeasures for security equipment vulnerabilities. Sandia will performance test: interior and exterior sensors, alarm communications, access delay, and entry control systems to provide sound acquisition advice to DOE facilities and for inclusion into vulnerability analysis software. Sandia will also update the Adversary Timeline Analysis Software to more accurately and realistically model DOE security systems and analyze them for vulnerabilities. Sandia provides technical expertise to the Classification, Declassification, and Controlled Information Program in the development of Headquarters classification guidance covering the following areas: nuclear weapons, nuclear weapon production and military use, stockpile stewardship, chemical/biological weapons, nuclear smuggling, computer codes, and intelligence.

Savannah River Operations Office

Nuclear Safeguards and Security

Savannah River maintains the Department's official system of record for SNM via the Nuclear Materials Management and Safeguards System.

Security Investigations

The Security Investigations budget provides funding for background investigations conducted by the Federal Bureau of Investigation (FBI) and the Office of Personnel Management (OPM) for DOE Federal employees and contractors under the auspices of the Savannah River Operations Office.

Savannah River Site

Nuclear Safeguards and Security

Savannah River supports MC&A through the development, enhancement, deployment, and operation of a software application (LANMAS) for nuclear materials accounting throughout the DOE complex. This technology allows greater reliability, efficiency, and cost savings through increased standardization and use of advanced software technologies. Technical support is also provided to the Classification, Declassification, and Controlled Information Program for classification guidance issues concerning materials disposition and tritium production.

Washington Headquarters

Nuclear Safeguards and Security

The Headquarters program for Nuclear Safeguards and Security has responsibility for management and

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FY 2005 Congressional Budget

implementation of the:

- Headquarters Security Police Force;
- Technical Surveillance Countermeasures (TSCM) program;
- Safeguards and Security Information Management System (SSIMS) database;
- DOE Computer Forensics Laboratory supporting inquiries into unauthorized disclosures of classified information;
- Maintenance and upgrade of alarm systems, access control systems, related computer equipment; and protective force equipment;
- DOE Operations Centers and the maintenance and expansion of communications systems connecting the DOE complex and selected Federal agencies which is essential for rapid Departmental response(s) to emergencies that may occur within the DOE complex, or outside the continental United States.
- Continuity of Operations/Continuity of Government (COOP/COG).
- Classification and Declassification of nuclear weapons-related technology (known as Restricted Data and Formerly Restricted Data) and other information classified by Executive Order (known as National Security Information); control of information protected by statute (known as Unclassified Controlled Nuclear Information and Official Use Only Information); policies that provide the public access to information necessary for an informed discussion of DOE's nuclear weapons and other programs while continuing to support the paramount objective of protecting information from strategic adversaries, proliferants or potential proliferants, and terrorists.

Security Investigations

The Security Investigations budget provides funding for background investigations conducted by the Federal Bureau of Investigation (FBI) and the Office of Personnel Management (OPM) for DOE Federal employees and contractors under the auspices of Washington Headquarters.

Headquarters also funds Department-wide personnel security databases and their subsequent integration via the eGov DOE Integrated Security System+ (eDISS+). The eDISS+ initiative consists of a set of interrelated databases, associated client applications, and web pages that provide a mechanism to automate the processing and tracking of access authorization requests Department-wide. eDISS+ also allows electronic communications between DOE offices and the transmission of investigative requests directly from DOE offices to the Office of Personnel Management (OPM).

Program Direction

The Office of Security Federal personnel serve as the operational element for activities that include: Department-wide security policy, the security training mission at the Nonproliferation and National Security Institute in Albuquerque, New Mexico; Department-wide control and accountability for plutonium, uranium, and special materials; classification and declassification operations; tracking of foreign national visits and assignments and official foreign travel; executive protection; Headquarters

security operations; the DOE Operations Centers and the Continuity of Operations (COOP)/Continuity of Government (COG) programs.

Office of Scientific and Technical Information

Nuclear Safeguards and Security

Efforts are focused on capturing historical and current safeguards and security information, converting this information to electronic documents, and providing timely access and analysis capabilities for the safeguards and security policy staff. Support is also provided for the Classification, Declassification, and Controlled Information Program by improving the access capability to DOE's OpenNet database and maintaining a thesaurus and dictionary for the automated classification guidance system used in the electronic Classification Guidance System (CGS)

Y-12 Site Office/Y-12 National Security Complex

Nuclear Safeguards and Security

At Y-12, the technology development program provides the physical security, material control and accounting support needed to protect nuclear weapons, nuclear material, classified information, and other vital DOE assets (non-nuclear and unclassified). Y-12 also provides technical expertise and support to the Classification, Declassification, and Controlled Information Program in developing guidance streamlining technologies and techniques to manage classification policy and guidance in an effective manner. Specifically, Y-12 is developing a method to manage classification topics and related classification guidance information, such as key concepts, keystones, reasons for classification keywords, etc.

Nuclear Safeguards and Security

Funding Schedule by Activity

(dollars in thousands)

	FY 2003	FY 2004	FY 2005	\$ Change	% Change
Nuclear Safeguards and Security					
Operational Support.....	89,045 ^a	96,399	95,754	-645	-.7%
Technology and Systems Development Classification, Declassification, and Controlled Information Program.....	22,557	20,797	14,519	-6,278	-30.2%
	32,909	32,609	32,924	+315	-1.0%
Total, Nuclear Safeguards and Security.	144,512	150,668	143,197	-7,471	-5.0%

Description

The mission of the Nuclear Safeguards and Security program is to provide policy, programmatic direction, technology solutions, nuclear materials accountability, and security training associated with the Department's nuclear weapons, nuclear materials, classified information and facilities. This subprogram also manages security operations for DOE facilities in the National Capital area as well as the DOE Operations Centers and the Department's programs for Continuity of Operations (COOP) and Continuity of Government (COG).

Benefits

Within the Other Defense Activities appropriation, this program fully supports DOE's Defense Strategic Goal to protect our national security. The Department's principal tool in its national security mandate is policy – a key functional element of this subprogram. Recent development of the Design Basis Threat and Strategic Security Plan provides the basic policy roadmap for how DOE must respond to perceived threats now and in the future. Part of this strategy is to invest in high-risk, high value Department-wide security technology solutions that enhance and strengthen the Department's security posture. Security enhancements at National Capital Region facilities are also a major step towards ensuring the physical protection of DOE leaders and employees. The energy operations center enables the Department to respond to operational, energy, and emergency assistance situations. The continuity of operations program can relocate and support DOE operations and support Executive Branch and national requirements for executive succession. We develop standards, manage and supervise Department-wide compliance over a wide range of operations such as security training, nuclear material accountability, and classified information. All these initiatives and daily activities are critical to the Department's Mission and Strategic Plan.

^a Reflects comparability adjustment to transfer \$437,000 in FY 2003 from the Office of Science for costs associated with radioactive waste processing for the New Brunswick Laboratory. Also reflects comparability adjustment to transfer \$7,245,000 in FY 2003 from DOE/NNSA to the Office of Security for support of the DOE Operations Center and DOE's Continuity of Operations and Continuity of Government Programs.

Detailed Justification

(dollars in thousands)

FY 2003	FY 2004	FY 2005
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Operational Support **89,045 96,399 95,754**

The mission of Operational Support is to provide technical and analytical expertise that enhances the Department's security mission effectiveness through policy development, Department-wide nuclear materials accountability, a protective force for Headquarters operations, standardized security training Department-wide, and an energy operations center that enables the DOE leadership to respond to operational, energy, and emergency assistance situations.

The NSS Operational Support subprogram funds the following main functions:

The national nuclear materials database, Nuclear Materials Management and Safeguards System (NMMSS), which serves as the official Departmental system of record for nuclear materials accounting. NMMSS tracks and analyzes U.S. and foreign nuclear materials activity to satisfy statutory requirements and international obligations.

A standardized system, Local Area Network Materials Accounting System (LANMAS), for site reporting of nuclear materials safeguards data to NMMSS.

Programmatic support for the New Brunswick Laboratory, which serves as the central authority for nuclear material, safeguards measurements and measurement evaluations and is the United States Government's certifying authority for nuclear reference materials.

Information Security to support the Department in areas of classified matter protection and control, technical security, operations security, and foreign ownership, control or influence of private companies.

Support for the development and promulgation of Department-wide security policy.

Headquarters Security to protect personnel, facilities, Government property and classified matter at Headquarters sites.

Foreign Visits, Assignments, and Travel (FVAT) Program to manage the granting of access to foreign nationals to DOE Federal and contractor facilities.

Foreign Travel Management System to approve, control and report DOE-wide official foreign travel.

DOE Headquarters Operations Centers, the Emergency Communications Network (ECN), and the Continuity of Operations/Continuity of Government program.

The Nonproliferation and National Security Institute (NNSI), which provides security training and education to personnel throughout the DOE complex, as well as other Federal agencies and foreign countries, who are involved in the protection of national security assets.

(dollars in thousands)

FY 2003	FY 2004	FY 2005
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Technology and Systems Development **22,557** **20,797** **14,519**

The mission of the Technology and Systems Development (TSD) subprogram is to identify and evaluate security vulnerabilities throughout the Complex, and then leverage technology solutions to enhance the operational capability to meet these emerging threat scenarios. The funding focuses on the vulnerabilities and solution technologies in the areas of Security Forces, Material Control and Accounting, and Physical Security. The TSD subprogram utilizes core security technologies and expertise in providing sound and innovative technical defenses to protect against a variety of malevolent events, including terrorist attacks, theft of nuclear weapons and special nuclear materials, and radiological sabotage. Vulnerabilities and technology solutions focus on chemical and biological agents, explosives, directed energy weapons, and insiders who possess the knowledge and capability to make weapons of mass destruction, have direct access to special nuclear materials, or have the means to inflict significant harm to DOE and national security.

Classification, Declassification, and Controlled Information Program **32,909** **32,609** **32,924**

The mission of the Classification, Declassification, and Controlled Information Program subprogram is to implement the Government-wide program to classify and declassify nuclear weapons-related technology (classified as Restricted Data (RD) and Formerly Restricted Data (FRD)) and to implement the requirements contained in Executive Order (E.O.) 12958 to classify and declassify other information that is critical to the national security (classified as National Security Information). DOE is also responsible for implementing requirements to identify information that is controlled under statute to protect the national security and other governmental, commercial, and private interests (e.g., Unclassified Controlled Nuclear Information, Official Use Only information). To fulfill these responsibilities, the mission of the Classification, Declassification, and Controlled Information Program is to develop and conduct: 1) government-wide policies and technical guidance to identify nuclear weapons-related information that warrants protection; 2) DOE-wide policies and guidance to identify other information that is critical to protecting the national security and other governmental, commercial, or private interests; and 3) classification and declassification reviews and audits of documents required under statute and executive order. This subprogram is critical to the U.S. non-proliferation and security program since information assets cannot be protected until they are identified as requiring protection. Consistent with this mission, this program funds support service contractors at Headquarters and management and operating contractors in the field who provide highly technical support.

Total, Nuclear Safeguards and Security **144,512** **150,668** **143,197**

Capital Operating Expenses and Construction Summary

(dollars in thousands)

	FY 2003	FY 2004	FY 2005	\$ Change	% Change
Capital Equipment.....	6,737	7,672	5,659	-2,013	-26.2%

Security Investigations

Funding Schedule by Activity

(dollars in thousands)

	FY 2003	FY 2004	FY 2005	\$ Change	% Change
Security Investigations					
Federal Bureau of Investigation	8,800	4,511	2,982	-1,529	-33.9%
Office of Personnel Management.....	32,215	44,868	46,035	+1,167	+2.6%
Related Security Investigations Activities.....	4,564	4,855	4,537	-318	-6.5%
Total, Security Investigations.....	45,579	54,234	53,554	-680	-1.3%

Case Projections

Category	FY 2003	FY 2004	FY 2005	Case Change	% Change
Federal Bureau of Investigation (FBI)					
Initial Background Investigations	877	300	300	0	0.0%
Reinvestigations	2,053	1,229	674	-555	-45.2%
Subtotal, FBI Investigations	2,930	1,529	974	-555	-36.3%
Office of Personnel Management (OPM)					
Initial Background Investigations	5,540	7,494	7,677	+183	+2.4%
Reinvestigations	7,190	10,436	9,636	-800	-7.7%
National Agency Checks.....	6,815	5,988	6,942	+954	+15.9%
Subtotal, OPM Investigations	19,545	23,918	24,255	+337	+1.4%
Total, Security Investigations	22,475	25,447	25,229	-218	-0.9%

Description

The Security Investigations Program funds all background investigations for Department of Energy (DOE) Federal employees and contractors who, in the performance of their official duties, require access authorizations for Restricted Data, National Security Information, or certain quantities of special nuclear material.

Benefits

This subprogram fully supports DOE's Defense Strategic Goal to protect our national security. Security Investigations are required in order to be in compliance with Section 145 of the Atomic Energy Act of 1954, as amended; Title 10, Code of Federal Regulations, Part 710; and Executive Order 12968. The Department is required to utilize either the Federal Bureau of Investigation (FBI) or Office of Personnel Management (OPM) as a source of personnel security investigations.

Program Distribution Table

(dollars in thousands)					
	FY 2003	FY 2004	FY 2005	\$ Change	% Change
Estimated Program Distribution					
National Nuclear Security					
Administration	26,978	32,882	32,012	-870	-2.6%
Defense Environmental					
Management	8,505 ^a	10,201	8,868 ^b	-1,333	-13.1%
Science	1,345	1,551	3,375 ^b	+1,824	+117.6%
Security	8,117	8,483	8,007	-476	-5.6%
Nuclear Energy					
	634	1,117	1,292	175	+15.7%
Total, Security Investigations	45,579	54,234	53,554	-680	-1.3%

^a In FY 2003, the Idaho Operations Office's landlord transferred from Defense Environmental Management to Nuclear Energy. The program funding distribution was adjusted to reflect the transfer of programs from Defense Environmental Management and Science (previous landlord to Argonne National Laboratory-West's security investigations) to Nuclear Energy.

^b In FY 2005, the Richland Operations Office's landlord for Pacific Northwest National Laboratory will transfer from Defense Environmental Management to Science. The program funding distribution was adjusted to reflect the transfer of programs from Defense Environmental Management to Science.

Detailed Justification

(dollars in thousands)

	FY 2003	FY 2004	FY 2005
Federal Bureau of Investigation (FBI)	8,800	4,511	2,982
<p>The National Defense Authorization Act for FY 2004 (H.R. 1588, Section 3151) removed the provision for investigation requests for individuals in the Personnel Security Assurance Program (PSAP) and Personnel Assurance Program (PAP) to be conducted by the FBI. Such investigations (PSAP and PAP) will be conducted by the Office of Personnel Management (OPM). The FBI will continue to conduct background investigations for Federal and contractor personnel in high-risk positions. Personnel in less sensitive positions will be investigated by the OPM. FBI investigations are more expensive due to higher contractor operating costs than OPM (6% higher for initial investigations and 29% higher for reinvestigations).</p>			
▪ Initial Background Investigations	3,069	1,050	1,050
Perform 300 initial background investigations, the same as FY 2004.			
▪ Reinvestigations	5,656	3,386	1,857
Perform 674 periodic reinvestigations. This represents a decrease of 555 cases from the FY 2004 level due to a cyclical decline in the five-year reinvestigation requirement.			
▪ Federal User Charges	75	75	75
Reimburse the FBI for fingerprint cards and name checks.			
Office of Personnel Management	32,215	44,868	46,035
<p>Fund background investigations for DOE Federal personnel and contractors who do not require an investigation by the FBI, but require access authorizations for Restricted Data, National Security Information, or certain quantities of special nuclear material.</p>			
▪ Initial Background Investigations	17,174	23,868	25,180
Perform 7,677 initial (Single Scope Background) investigations, 183 less cases than FY 2004. Funding increase is due to case price increases.			
▪ Reinvestigations	13,122	19,150	18,742
Perform 9,636 periodic reinvestigations (for Single Scope Background Investigations). A decrease of 800 cases over FY 2004 levels is due to a cyclical decline in the five-year reinvestigation requirement.			
▪ National Agency Checks (NAC's)	1,919	1,850	2,113
Perform 6,942 NAC's (3,754 initials and 3,188 reinvestigations). An increase of 954 cases (709 initials/245 reinvestigations) is required to meet mission requirements.			

(dollars in thousands)

	FY 2003	FY 2004	FY 2005
Related Security Investigations Activities.....	4,564	4,855	4,537
Costs incurred in implementing security investigations related programs and projects outlined below:			
▪ Continue operation and maintenance of the eGov DOE Integrated Security System+ (eDISS+) initiative to assist Personnel Security Administrative Staff in automating the processing and tracking of access authorization requests. eDISS+ facilitates the collection, processing, storing, and transfer of personnel security data. This data flows from subjects, to the personnel security offices, to the DOE Operations Offices, to the Office of Personnel Management (OPM), to the return of investigation reports from OPM to DOE Operations Offices. This system supports and tracks the adjudication process from the beginning to the disposition of the clearance request. It contains information concerning clearances, inter-site visits, and maintains this data in a centralized database for nation-wide access by DOE personnel and contractors. It allows electronic communications between the various security information systems/databases at each site. The functionality of these systems do not duplicate the e-Clearance initiative undertaken by OPM.....	3,443	3,320	3,320
▪ Continue to support the Accelerated Access Authorization Program (AAAP) located in Albuquerque and Oak Ridge.....	1,000	1,200	1,200
▪ Provide support for miscellaneous costs involved in developing and posting annual refresher security briefing material via the internet	121	335	17
Total, Security Investigations	45,579	54,234	53,554

Explanation of Funding Changes

FY 2005 vs. FY 2004 (\$000)

Federal Bureau of Investigation (FBI)

<ul style="list-style-type: none"> ▪ Reinvestigations Funding level reflects a decrease of 555 reinvestigations from FY 2004. The “Q” reinvestigation workload is projected to be lower due to the five-year reinvestigation requirement..... 	-1,529
Total, Federal Bureau of Investigation (FBI).....	-1,529

Office of Personnel Management (OPM)

<ul style="list-style-type: none"> ▪ Initial Background Investigations Funding level reflects an increase of 183 initial background investigations from FY 2004..... 	+1,312
<ul style="list-style-type: none"> ▪ Reinvestigations “Q” Reinvestigation requirements are estimated to be 800 cases lower than in the FY 2004 budget request..... 	-408
<ul style="list-style-type: none"> ▪ National Agency Checks (NAC’s) NAC funding supports 954 more cases than in FY 2004 	+263
Total, Office of Personnel Management	+1,167

Related Security Investigations Activities

<ul style="list-style-type: none"> ▪ Discontinued funding the Oak Ridge Institute for Science and Education (ORISE) task that no longer provides technical support for conducting research related to the security investigations budget..... 	-185
<ul style="list-style-type: none"> ▪ DOE dramatically reduced the costs associated with developing and distributing refresher briefing material by posting the information on a website. DOE employees that have been granted access authorizations are required to access the web-site annually for a refresher security briefing..... 	-133
Total, Related Security Investigations Activities	-318

Total Funding Change, Security Investigations	-680
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Program Direction

Funding Profile by Category

(dollars in thousands, whole FTEs)

	FY 2003	FY 2004	FY 2005	\$ Change	% Change
New Brunswick Laboratory (NBL)					
Salaries and Benefits	3,267	3,670	3,821	+151	+4.1%
Travel	71	71	71	+0	+0.0%
Support Services	143	143	143	+0	+0.0%
Other Related Expenses	1,993	2,349	1,556 ^a	-793	-33.8%
Total, NBL	5,474	6,233	5,591	-642	-10.3%
Full Time Equivalents	40	40	40	+0	+0.0%
Headquarters					
Salaries and Benefits	26,392	27,044 ^c	32,664	+5,620	+20.8%
Travel	1,616	1,654	1,671	+17	+1.0%
Support Services	6,713	5,997	5,869	-128	-2.1%
Other Related Expenses	11,547	11,259	12,555	+1,296	+11.5%
Total, Headquarters	46,268^b	45,954	52,759	+6,805	+14.8%
Full Time Equivalents	252	254	254	+0	+0.0%
Total Program Direction					
Salaries and Benefits	29,659	30,714	36,485	+5,771	+18.8%
Travel	1,687	1,725	1,742	+17	+1.0%
Support Services	6,856	6,140	6,012	-128	-2.1%
Other Related Expenses	13,540	13,608	14,111	+503	+3.7%
Total, Program Direction	51,742	52,187	58,350	+6,163	+11.8%
Total, Full Time Equivalents	292	294	294	+0	+0.0%

^a Reduced \$712K reimbursable work from NBL in FY 2005 to coincide with actual dollar request.

^b Reflects comparability adjustment to transfer \$4,014,192 in FY 2003 from DOE/NNSA to the Office of Security for support of the DOE Operations Center and DOE's Continuity of Operations and Continuity of Government programs.

^c Reflects the FY 2004 Omnibus Rescission of \$303,000.

Mission

Program Direction provides the Federal staffing resources and associated costs required to provide overall direction and execution of Office of Security (SO) mission areas: 1) Nuclear Safeguards and Security, which includes the Nonproliferation and National Security Institute, Nuclear Materials Accountability, Information Security, Headquarters Security, Specialized Security Support, Foreign Visits, Assignments and Travel, Security Policy, Office of Operations Support to include the DOE Operations Centers and the Continuity of Operations and Continuity of Government programs, and Classification/Declassification; 2) Security Investigations; 3) Direct support in the areas of protection of Headquarters assets, budget, finance, procurement, human resources, and information technology; and 4) Program-specific staffing resources at the New Brunswick Laboratory (NBL).

As stated in the Departmental Strategic Plan, DOE's Strategic and General Goals will be accomplished not only through the efforts of the major program offices in the Department but with additional effort from offices which support the programs in carrying out the mission. The Office of Security performs critical functions which directly support the mission of the Department. The overall security mission for the Department of Energy is to contribute, in partnership with others, to the Nation's security by protecting America's nuclear deterrence capabilities from a spectrum of diverse threats. In concert with this mission, the Office of Security develops and promulgates clear and consistent safeguards and security strategies and policy governing the protection of national security and other critical assets entrusted to the Department. In addition, the Office of Security manages security operations for DOE facilities in the National Capital area as well as the DOE Operations Centers and the Department's programs for Continuity of Operations (COOP) and Continuity of Government (COG).

Detailed Justification

(dollars in thousands)

	FY 2003	FY 2004	FY 2005
Salaries and Benefits	29,659	30,714	36,485
<ul style="list-style-type: none"> ▪ 254 Federal personnel at Headquarters serve as the operational element for safeguards and security policy and Headquarters security. Activities include the security training mission at the Nonproliferation and National Security Institute in Albuquerque, New Mexico; plutonium, uranium, and special materials control and accountability; classification and declassification operations; tracking of foreign national visits and assignments and official foreign travel; Headquarters security operations; Department-wide security policy; the DOE Operations Centers and the Continuity of Operations (COOP)/Continuity of Government (COG) programs; and the Office of the Director. The increase supports salaries, benefits, performance awards and other compensation programs for existing staff. ▪ 40 Federal employees at the NBL in Argonne, Illinois. NBL serves as the central authority for nuclear material safeguards measurements and measurement evaluations and is the United States Government's certifying authority for nuclear reference materials. 			
Travel	1,687	1,725	1,742
<ul style="list-style-type: none"> ▪ Provides funding for domestic and foreign trips necessary to conduct essential security activities. Domestic travel includes national security assistance and interface with field offices, laboratories and local governments. 			
Support Services	6,856	6,140	6,012
<ul style="list-style-type: none"> ▪ Provides highly specialized technical and analytical expertise and management support personnel essential to the mission success of the Office of Security. ▪ The funds at the NBL provide maintenance of the Laboratory Information Management System. The system tracks all sensitive materials from the time of arrival to the site to departure. Provides technical and administrative information technology expertise. Finances support activities for the day-to-day operations at NBL. 			
Other Related Expenses	13,540	13,608	14,111
<ul style="list-style-type: none"> ▪ Training..... <li style="padding-left: 20px;">Headquarters..... <li style="padding-left: 20px;">NBL..... 	342 338 4	359 355 4	351 347 4
Provides training funds for the technical and administrative personnel to meet the organizational mission requirements.			

Other Services	8,179	8,170	7,866
Headquarters.....	6,190	5,825	6,314
NBL	1,989	2,345	1,552

Funds for expenses such as operations and maintenance of facilities, communications, operations and equipment maintenance, and supplies and materials supporting the Federal staff. At Headquarters, the increase is due to the mandatory Extended Common Integrated Technology Environment (eXCITE) program. At NBL, the decrease is the result of adjustments for reduced reimbursable requirements, furniture, safe repairs, and special supplies.

Working Capital Fund	5,019	5,079	5,894
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Funds mandatory administrative costs, such as, telephone services, postage, printing and graphics, supplies, copiers, rent, space, utilities, and payroll services. Payments reflect usage of services, which are priced and charged to users in accordance with policies established yearly by the Working Capital Fund Board. Increase reflects higher costs for these services including rent, supplies and telephone services.

Total, Program Direction	51,742	52,187	58,350
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Explanation of Funding Changes

FY 2005 vs. FY 2004 (\$000)

Salaries and Benefits

- +5,771
- Increase supports salaries, benefits, performance awards and other compensation programs for existing staff.....

Travel

- +17
- Travel increased slightly due to escalation in transportation.....

Support Services

- 128
- Support Services reduced due to changes in security requirements in Program Direction

Other Related Expenses

- 8
- Training reduced due to changes in security requirements in Program Direction .
- 304
- Other Services – At Headquarters, the increase of \$489K is due to the mandated Extended Common Integrated Technology Environment (e-XCITE) program. At NBL the decrease of \$793K is the a result of adjustments for reduced reimbursable requirements, furniture, safe repair, and special supplies.....
- +815
- Working Capital Fund increased due to escalation costs and increases charged to users in accordance with policies established yearly by the WCF board (primarily rent, supplies, and telephone services)

Total, Other Related Expenses +503

Total Funding Change, Program Direction +6,163

Support Services by Category

(dollars in thousands)

	FY 2003	FY 2004	FY 2005	\$ Change	% Change
Technical Support Services	4,610	4,558	4,449	-109	-2.4%
Management Support Services	2,246	1,582	1,563	-19	-1.2%
Total, Support Services	6,856	6,140	6,012	-128	-2.1%

Other Related Expenses by Category

(dollars in thousands)

Other Related Expenses	FY 2003	FY 2004	FY 2005	\$ Change	% Change
Training	342	359	351	-8	-2.2%
Operations and Maintenance of Facilities (NBL)	1,989	2,345	1,552	-793	-33.8%
Communications, Utilities, Misc.	251	323	323	+0	+0.0%
Other Services	2,043	722	499	-223	-30.9%
Operations & Equipment Maintenance	3,716	4,498	5,210	+712	+15.8%
Supplies and Materials	180	282	282	+0	+0.0%
Working Capital Fund	5,019	5,079	5,894	+815	+16.1%
Total, Other Related Expenses.....	13,540	13,608	14,111	+503	+3.7%