

Department of Energy

Safeguards and Security Program Summary

Mission

The mission of the Safeguards and Security (S&S) program at each Department of Energy (DOE) site is to protect DOE interests from theft, diversion, sabotage, espionage, unauthorized access, compromise, and other hostile acts which may cause unacceptable adverse impacts on national security, program continuity, the health and safety of employees, the public or the environment.

This section of the budget provides summary budget estimates of the Department's S&S programs. Details of the individual S&S programs and their budgets are found in the following program budget justifications:

- National Nuclear Security Administration -- Weapons Activities / Safeguards and Security
- Defense Environmental Restoration and Waste Management / Safeguards and Security
- Defense Facilities Closure Projects / Safeguards and Security
- Other Defense Activities / Security
- Departmental Administration / Chief Information Officer – Cyber Security

Program Overview

The budget for the Department's direct funded S&S programs is organized to ensure consistency in program and budget execution and ensure adequate management, direction, tracking and monitoring of security costs throughout the Department. Each S&S program budget provides high visibility for S&S issues and helps the Department prioritize functions for effective and efficient S&S program implementation. Furthermore, the structure of the S&S budgets ensures consistency in budget execution across diverse programs, principally the National Nuclear Security Administration, Environmental Management, and Science. For these Field Security programs, the budget structure takes the form of the following seven program elements:

Protective Forces

Provides for the protection of Special Nuclear Materials, information, employees, and government property from theft, diversion, sabotage, and malicious destruction.

Security Systems

Addresses access control and interior/exterior intrusion detection systems.

Information Security

Ensures that individuals protect classified matter and sensitive unclassified matter, and establishes protection systems that require degrees of protection for each classification level.

Cyber Security

Assures effective and efficient protection of computer and technical resources.

Personnel Security

Supports activities associated with the clearance program.

Material Control and Accountability

Provides assurance that the nuclear materials used and/or stored at DOE facilities are properly controlled and accounted for at all times.

Program Management

Assures a framework for efficient and effective security operations.

Changes in the Composition of the Safeguards and Security Crosscut

The composition of the S&S crosscut is modified as security-related DOE organizations are changed to more effectively address the security concerns that confront the Department. This year, the Office of Security and Emergency Operations was separated into its two main components -- the **Office of Security** and the **Office of the Chief Information Officer**.

The former Office of Security and Emergency Operations programs now assigned to the Office of Security includes:

- Nuclear Safeguards & Security excluding Cyber Security and Secure Communications
- Security Investigations
- Security – Program Direction

All three of these programs remain in this S&S crosscut.

The Office of Security and Emergency Operations programs now assigned to the Office of the Chief Information Officer include:

- Cyber Security and Secure Communications (formerly part of Nuclear Safeguards & Security)
- Corporate Management Information Program
- Chief Information Officer – Program Direction

Of these three programs, only the Cyber Security and Secure Communications and the Federal staff support for that program within the Chief Information Officer Program Direction account are included in this S&S crosscut.

Safeguards and Security Program Summary

	(dollars in thousands)				
	FY 2001	FY 2002	FY 2003	\$ Change	% Change
Field Security					
Science S&S.....	39,081	47,609	48,127	+518	+1.1
Weapons Activities S&S.....	411,418	554,881	509,954	-44,927	-8.1
Defense Environmental Management S&S....	215,893	221,419	228,260	+6,841	+3.1
Defense Facilities Closure Projects S&S.....	57,216	53,975	37,161	-16,814	-31.2
Total, Field Security.....	723,608	877,884	823,502	-54,382	-6.2
Departmental Administration					
Chief Information Officer.....	32,246	31,261	32,927	+1,666	+5.3
Other Defense Activities – Security					
Nuclear Safeguards and Security.....	83,808	85,605	91,102	+5,497	+6.4
Security Investigations.....	32,927	44,927	45,870	+943	+2.1
Program Direction.....	49,528	48,707	50,246	+1,539	+3.2
Total, Other Defense Activities--Security.....	166,263	179,239	187,218	+7,979	+4.5
Subtotal, Safeguards and Security.....	922,117	1,088,384	1,043,647	-44,737	-4.1
Security charge against reimbursable work...	-39,289	-40,000	-38,427	+1,573	+3.9
Total, Safeguards and Security	882,828	1,048,384	1,005,220	-43,164	-4.1

Field Security by Program Element

	(dollars in thousands)		
	FY 2001	FY 2002	FY 2003
Field Security			
Protective Forces.....	389,907	451,147	418,661
Security Systems.....	88,579	100,032	99,939
Information Security.....	32,308	34,259	35,147
Cyber Security.....	49,433	110,500	96,823
Personnel Security.....	27,205	31,051	36,331
Material Control and Accountability.....	40,666	44,591	45,095
Program Management.....	74,800	96,704	82,606
Subtotal, Field Security (Operations).....	702,898	868,284	814,602
Construction.....	20,710	9,600	8,900
Total, Field Security.....	723,608	877,884	823,502

Protective Forces

Program Mission

The mission of Protective Forces is to protect the Department's critical assets which include nuclear weapons in DOE custody, nuclear weapons components, special nuclear materials, classified information and DOE facilities against a spectrum of threats, including terrorist activity, sabotage, espionage, theft, diversion, loss or unauthorized use. To accomplish this mission:

- Protective Force programs throughout the complex provide the salaries, wages and benefits for personnel; have proper management and supervision; sufficient quantities of well maintained and logically deployed equipment and facilities to ensure effective performance of their assigned functions and tasks under normal and emergency conditions.
- Protective Forces programs perform critical functions including the conduct of access control and security response operations; the physical protection of special nuclear material, classified matter and information, and government property; emergency response forces and tactical assistance during events as well as an on-scene security commander; random patrols; coordination with local law enforcement and protective force elements aimed at providing effective response to emergency situations; random prohibited article inspections; security alarm monitoring and dispatch services; the collection and destruction of classified matter; and constant testing of the protective force to respond to myriad event scenarios.
- Protective Forces Programs maintain a Special Response Team capability to provide resolution of incidents that require effective and timely response with force options that exceed the capability of front line protective force personnel. This includes recapture and recovery operations involving the use of special weapons, systems and tactics to effect recovery of special nuclear material under authorized control.

Protective Forces Programs Funding Field Security

	(dollars in thousands)		
	FY 2001	FY 2002	FY 2003
Field Security			
Science S&S.....	21,207	21,406	22,345
Weapons Activities S&S.....	219,400	278,788	252,649
Defense Environmental Management S&S.....	114,104	119,869	124,211
Defense Facilities Closure Projects S&S.....	35,196	31,084	19,456
Total, Field Security – Protective Forces Programs....	389,907	451,147	418,661

Security Systems

Program Mission

The mission of Security Systems is the physical protection of Special Nuclear Material and vital equipment, sensitive information, Departmental property and unclassified facilities. Included are buildings, fences, barriers, lighting, sensors, surveillance devices, entry control devices, access control systems, explosive detection systems, power systems and other real property and hardware designed for, or affecting security. This hardware and equipment is operated and used to support the protection of DOE property and other interests of national security.

The Security Systems programs support DOE-wide efforts required to conduct performance assurance testing. The programs also ensure that security alarm systems are operational and functioning in accordance with applicable DOE Orders. Security System programs are also responsible for two essential subprograms: (1) a barriers/secure storage/lock program to restrict, limit, delay or deny entry into a designated area; and (2), an entry control/access program that provides positive identification of personnel requiring access to facilities and initial access to facilities in general, ensuring that persons entering/leaving facilities are authorized, and do not introduce prohibited articles into or remove Government property from Departmental facilities.

Estimates are provided for all access control administrative activity involving production, accountability and destruction of badges and firearms credentials. Estimates are also provided for vital systems components and tamper-safe oversight is provided by monitoring and responding to alarms, determining access and securing all alarmed structures on site. In addition, this element provides for handling all radio communications for the protection of the facilities.

Security Systems Programs Funding Field Security

	(dollars in thousands)		
	FY 2001	FY 2002	FY 2003
Field Security			
Science S&S.....	3,798	5,169	4,532
Weapons Activities S&S.....	56,187	63,920	65,964
Defense Environmental Management S&S.....	27,183	29,792	28,497
Defense Facilities Closure Projects S&S.....	1,411	1,151	946
Total, Field Security – Security Systems Programs....	88,579	100,032	99,939

Information Security

Program Mission

The mission of Information Security is to ensure that material and documents that may contain sensitive and classified information are accurately and consistently identified, properly reviewed for content, appropriately marked and protected from unauthorized disclosure, and ultimately destroyed in an approved manner.

Information Security programs put in place plans, policies, and procedures training to ensure that all employees are aware of the requirements for the identification, review, classification, declassification, marking, protection and proper disposal of sensitive information and classified material. In addition, operational security considerations are used to preclude inadvertent compromise.

Information Security Programs Funding Field Security

(dollars in thousands)

	FY 2001	FY 2002	FY 2003
Field Security			
Science S&S.....	874	1,036	1,000
Weapons Activities S&S.....	18,533	22,094	21,899
Defense Environmental Management S&S.....	10,298	8,358	9,822
Defense Facilities Closure Projects S&S.....	2,603	2,771	2,426
Total, Field Security – Information Security Programs	32,308	34,259	35,147

Cyber Security

Program Mission

The mission of Cyber Security is to ensure that sensitive and classified information that is electronically processed, transmitted, or stored, is properly identified and protected. Cyber Security programs ensure that electronic systems are appropriately marked and protected. The programs plan, document, and test classified automated information systems (AIS), communications security (COMSEC), TEMPEST; and maintain an appropriate level of infrastructure reliability and integrity, as well as an unclassified AIS program. Included are appropriate plans, policies and procedures, assessments, tests, monitoring and self-assessments, certifications, and user and administrator training/awareness.

Cyber Security Programs Funding Field Security

(dollars in thousands)

	FY 2001	FY 2002	FY 2003
Field Security			
Science S&S.....	6,631	10,599	11,714
Weapons Activities S&S.....	31,032	88,000	72,773
Defense Environmental Management S&S.....	8,990	8,788	9,474
Defense Facilities Closure Projects S&S.....	2,780	3,113	2,862
Total, Field Security – Cyber Security Programs.....	49,433	110,500	96,823

Personnel Security

Program Mission

The mission of Personnel Security is to support the clearance program (excluding Security Investigations), and ensure security sensitivity through security briefings such as the initial refresher and termination briefings, re-orientations, computer based training, special workshops and classes, publications, closed circuit television programs, signs, posters and special event days. Support for the clearance program includes: (1) Personnel Security Assurance Program, adjudications, screening and analysis of personnel security cases for determining eligibility for access authorizations, administrative reviews, and handling of Freedom of Information and Privacy Act requests related to security clearances. (2) Provides security awareness and education. (3) Determines operating and maintenance estimates associated with classified/unclassified visits and assignments by foreign nationals.

Personnel Security Programs Funding Field Security

(dollars in thousands)

	FY 2001	FY 2002	FY 2003
Field Security			
Science S&S.....	1,859	2,693	2,576
Weapons Activities S&S.....	15,004	16,958	22,484
Defense Environmental Management S&S.....	7,869	9,010	9,013
Defense Facilities Closure Projects S&S.....	2,473	2,390	2,258
Total, Field Security – Personnel Security Programs...	<u>27,205</u>	<u>31,051</u>	<u>36,331</u>

Material Control and Accountability

Program Mission

The mission of Material Control and Accountability (MC&A) is to provide assurance that nuclear materials are properly controlled and accounted for at all times. MC&A provides evidence that all nuclear materials are accounted for appropriately and that theft, diversion, or operational loss has not occurred. MC&A also supports weapons production, nuclear nonproliferation, nuclear materials operations, facility closure, and nuclear critical safety by determining and documenting the amounts of nuclear materials in weapons and packaged items. MC&A administration includes the following: (1) Assess the levels of protection, control and accounting required for the types and quantities of materials at each facility. (2) Documenting facility plans for nuclear materials control and accounting. (3) Assigning authorities and responsibilities for MC&A functions. (4) Ensuring that facility MC&A personnel are trained and qualified to perform their responsibilities. (5) Establishing programs to report occurrences such as nuclear material theft, the loss of control or inability to account for nuclear materials, or evidence of malevolent acts. (6) Performance testing required program elements; and (7) Establishing facility programs to conduct and document internal assessments of their operations and MC&A programs.

Material Control and Accounting Programs Funding Field Security

	(dollars in thousands)		
	FY 2001	FY 2002	FY 2003
Field Security			
Science S&S.....	1,787	2,647	2,676
Weapons Activities S&S.....	22,629	24,094	26,126
Defense Environmental Management S&S.....	10,310	10,722	11,043
Defense Facilities Closure Projects S&S.....	5,940	7,128	5,250
Total, Field Security -- MC&A Programs.....	40,666	44,591	45,095

Program Management

Program Mission

The mission of Program Management is to develop a framework for efficient and effective security operations. This includes the development and updating of S&S Plans, conducting vulnerability assessments to determine if assets are at risk, modeling to ensure the plans and operations meet mission objectives, identifying assets that need protection, developing local threat assessments and participating in the S&S Quality panel process and security education. In addition, the programs ensure that plans are developed and revised accurately in accordance with DOE Orders, professional and technical training is administered, and goals and objectives of the Office of Security are implemented complex wide.

The programs develop S&S Plans or other applicable security plans, understand and implement S&S requirements, conduct surveys to determine whether S&S requirements have been implemented, understand national and local threats and perform a vulnerability analysis that indicates whether or not the S&S assets are at risk or not. Program Management includes participation in the Quality Panel process which raise issues from the field to the headquarters managers and ensures that the staff are properly educated with respect to security matters.

Program Management Funding Field Security

(dollars in thousands)

	FY 2001	FY 2002	FY 2003
Field Security			
Science S&S.....	2,925	4,059	3,284
Weapons Activities S&S.....	27,923	51,427	39,159
Defense Environmental Management S&S.....	37,139	34,880	36,200
Defense Facilities Closure Projects S&S.....	6,813	6,338	3,963
Total, Field Security -- Program Management.....	74,800	96,704	82,606