

DOE 5630.16A
6-3-93

E X P L A N A T I O N S H E E T

DOE 5630.16A, SAFEGUARDS AND SECURITY ACCEPTANCE AND VALIDATION TESTING PROGRAM, HAS REVISED DOE 5630.16 TO: PROVIDE CLARIFICATION OF THE REQUIREMENTS CONCERNING PERFORMANCE TESTING, ELIMINATE THE REQUIREMENTS TO MAINTAIN TEST DOCUMENTATION FOR A MINIMUM OF 3 YEARS, AND UPDATE REFERENCES. CHANGES TO THE TEXT DO NOT IMPOSE ADDITIONAL REQUIREMENTS AND ARE NOT SUBSTANTIVE, THEREFORE FORMAL COORDINATION WAS NOT NECESSARY.

THIS EXPLANATION SHEET MAY BE RETAINED FOR REFERENCE OR DISCARDED.

U.S. Department of Energy

Washington, D.C.

ORDER

DOE 5630.16A

6-3-93

SUBJECT: SAFEGUARDS AND SECURITY ACCEPTANCE AND VALIDATION TESTING PROGRAM

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1. PURPOSE. To establish policy, requirements, and responsibilities for a Safeguards and Security Acceptance and Validation Testing Program that encompasses systematic processes for demonstrating the adequacy and functional reliability of critical system elements and/or total systems employed to meet safeguards and security protection needs.
 2. CANCELLATION. DOE 5630.16, SAFEGUARDS AND SECURITY PERFORMANCE TEST PROGRAM, of 8-25-92.
 3. APPLICATION TO CONTRACTS. The provisions of this Order apply to all Departmental elements and covered contractors to the extent implemented under a contract or other agreement. A covered contractor is a seller of supplies or services involving access to and protection of classified information, nuclear materials, or other safeguards and security interests under a procurement contract or subcontract.
 4. EXCLUSIONS. This Order does not apply to unclassified computer systems, TEMPEST, communications security, or sensitive compartmented information facilities which are covered by DOE Orders 1360.2B, 5300.2D, 5300.3C, and 5639.8, respectively. DOE facilities and activities regulated by the Nuclear Regulatory Commission (NRC) are exempt from the requirements of this Order. Office of Civilian Radioactive Waste Management (RW) personnel and activities not directly associated with the NRC licensed facilities and thus not covered by the NRC directives are subject to the provisions of this Order.
 5. REFERENCES AND DEFINITIONS. See Attachment 1.
 6. POLICY.
 - a. The adequacy of new and existing safeguards and/or security systems to perform or accomplish the intended purpose shall be confirmed through an acceptance and validation testing program prior to operational use and periodically thereafter.
 - b. Safeguards and security acceptance and validation testing programs implemented under this Order shall be formalized and documented.
 - c. DOE elements and DOE covered contractors are required to ensure that safeguards and security measures implemented under their cognizance meet established requirements for reliability, operability, readiness, and performance.
 - d. The provisions of this Order shall be fully implemented by 8-25-95.

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7. RESPONSIBILITIES.

- a. Secretarial Officers shall ensure the provisions of this Order are implemented for programs over which they have responsibility. They shall:
 - (1) Clearly establish the criteria for taking necessary action, as circumstances and policies indicate, including curtailment or suspension of operations when such operations would result in an immediate and unacceptable risk to national security and/or the health and safety of employees or the public. If these authorities are delegated, such delegations shall be clearly established in writing, and shall be kept current.
 - (2) Ensure that corrective actions for deficiencies identified by the testing program at facilities under their administrative jurisdiction are implemented.
 - (3) Ensure an individual (s) is designated to be responsible for bringing to the attention of the contracting officer each procurement falling within the scope of this Order. Unless another individual is designated, the responsibility is that of the procurement request originator (the individual responsible for initiating a requirement on DOE F 4200.33, "Procurement Request Authorization").
 - (4) Require covered DOE contractors to develop, implement, and manage a comprehensive safeguards and security acceptance and validation test program in accordance with provisions of this Order.
- b. Director of Security Affairs (SA-1) shall provide management direction and coordination in the development, implementation, and oversight regarding safeguards and security acceptance and validation testing.
- c. Director of Safeguards and Security (SA-10) shall:
 - (1) Develop and provide Departmental policy and guidance regarding safeguards and security acceptance and validation testing.
 - (2) Ensure the development of the Headquarters Safeguards and Security Validation Test Program Plan for Headquarters safeguards and security program interests in accordance with this Order.
 - (3) Ensure the development of an implementation plan for full compliance with the requirements of this Order for Headquarters activities.

- d. Deputy Assistant Secretary for Security Evaluations (EH-4) shall independently inspect and evaluate the degree of adherence by Departmental elements to DOE policies and requirements relating to the content, conduct, and results of the safeguards and security acceptance and validation testing program.
- e. Director, Naval Nuclear propulsion Program (NE-60) shall, in accordance with the responsibilities and authorities assigned by Executive Order 12344 (statutorily prescribed by Public Law 98-525 (42 U.S. C. 7158, (note))) and to ensure consistency throughout the joint Navy/DOE organization of the Naval Nuclear Propulsion Program, implement and oversee all policy and practices pertaining to this Order for activities under the Director's cognizance.
- f. Heads of Field Elements, except the Administrators of the Power Marketing Administrations, shall:
 - (1) Establish written delegations of authorities and responsibilities, as well as reporting requirements, for the administration of the safeguards and security acceptance and validation testing programs.
 - (2) Ensure the development and approval of safeguards and security acceptance and validation test program plans in accordance with this Order.
 - (3) Develop and recommend budgets and related resources to the cognizant Secretarial Officer for providing support to the testing program.
 - (4) Ensure that corrective actions for deficiencies identified by the testing program are documented, prioritized, and implemented.
 - (5) Take action, as circumstances and policies indicate, including - curtailment or suspension of operations when such operations would result in an immediate and unacceptable risk to national security and/or the health and safety of employees or the public.
 - (6) Designate an individual (s) to be responsible for bringing to the attention of the contracting officer each procurement falling within the scope of this Order. Unless another individual is designated, the responsibility is that of the procurement request originator (the individual responsible for initiating a requirement on DOE F 4200.33, "Procurement Request Authorization").
 - (7) Require covered DOE contractors to develop, implement, and manage comprehensive safeguards and security acceptance and validation test programs in accordance with provisions of this Order.
 - (8) Serve as approval authority for safeguards and security validation test program implementation plans submitted by subordinate organizations.

- g. Administrators of the Power Marketing Administrations. Section 302 of the DOE Organization Act (Public Law 95-91) directs the Secretary to operate and maintain the power marketing administrations by and through their Administrators. The Administrators have statutory and public utility responsibilities for the safety, security, and reliability of the systems operated by their organizations. The Administrators shall review and approve the security standards, policies, and activities appropriate for their facilities and operations. Such determination shall include consideration of the requirements set forth by this Order.
- h. Procurement Request Originators (the individuals responsible for initiating a requirement on DOE F 4200.33, "Procurement Request Authorization") or such other individual(s) as designated by the cognizant Secretarial Officer or Head of Field Element shall bring to the attention of the cognizant contracting officer the following: (1) each procurement requiring the application of this Order, (2) requirements for flowdown of provisions of this Order to any subcontract or subaward, and (3) identification of the paragraphs or other portions of this Order with which the awardee, or, if different, a subawardee, is to comply.
- i. Contracting Officers, based on advice received from procurement request originators or other designated individuals, shall apply applicable Provisions of this Order to awards falling within its scope. For awards other than management and operating contracts, this shall be by incorporation or reference using explicit language in a contractual action, usually bilateral.
8. BASIC CRITERIA.
- a. General.
- (1) Safeguards and security acceptance and validation tests shall be developed for each facility to validate functional requirements and effectiveness of the safeguards and security elements implemented and operating as part of a total system and to assure continuing operation as a total system.
 - (2) Safeguards and security acceptance and validation tests shall be conducted with the highest regard for the safety and health of personnel, protection of the environment, protection of Government property, and national security interests with consideration to depict a level of realism for the test to be representative of the capabilities of the Design Basis Threat Policy issued by SA-1.
 - (3) The requirements contained in DOE Orders, Manuals, Site Safeguards and Security Plans (SSSPs), safeguards and security plans, and other guidance documents will be the basis for designing and evaluating the tests, including frequency of testing and acceptance criteria.

- (4) Critical system elements shall be identified for each relevant key program element set forth in DOE 5630.11A, including Personnel Security, Protection Program Operation, Nuclear Materials Control and Accountability, and Information Security. Critical system elements may include safeguards and security equipment, procedures, and/or people. These elements shall be tested to verify their continued functionality, operability, effectiveness and/or performance.
- (5) Validation testing of safeguards systems shall include elements that can detect-in-time-to-prevent (e.g., portal monitors and material surveillance procedures) and elements that can effectively account for special nuclear material in order to provide assurance that safeguards and security systems are functioning properly (e.g., physical inventory). Testing of some safeguards systems, such as the physical inventory, does not necessarily require a specific stand alone test, but instead a check and evaluation of accounting records, measurements data, and procedures.
- (6) Testing of elements which are not prone to failure and which are not subject to compromise without noticeable tampering, such as walls and fences, is not required.
- (7) At least every 365 days, a performance test encompassing critical system elements associated with a comprehensive site or facility threat scenario shall be performed to demonstrate overall facility safeguards and security system effectiveness. Comprehensive threat scenarios shall be taken from facility specific vulnerability assessments.
- (8) At least every 365 days, after each inoperative or ineffective state for safeguards and security equipment, and after any equipment repairs, each critical system element identified under paragraph 8a(4) and any other critical system elements directly integrated/affected by such equipment shall be tested through the conduct of effectiveness tests. Effectiveness testing shall cover the range of performance parameters required in the facility's approved safeguards and security plan, and include the number of tests specified in the safeguards and security acceptance and validation test program plan and justified in safeguards and security acceptance and validation test plans. These tests shall be performed immediately after such repairs, inoperative state, or ineffective state. The overall safeguards and security program shall be considered in a degraded mode until such testing has confirmed the operability of all applicable performance parameters. Compensatory measures may be required during such degraded modes.
- (9) Critical system elements shall be evaluated for continuing operability through the conduct of operability tests.

- b. Safeguards and Security Acceptance and Validation Test Program Plan. A documented and formalized safeguards and security acceptance and validation test program plan shall be developed for each facility and shall be included as part of the approved safeguards and security plan. The purposes of this program plan are to document the process and to identify a comprehensive set of tests and a frequency of testing which confirm the ability of an implemented and operating, critical system element or total system to meet requirements contained in DOE safeguards and security Orders and Manuals. The plan shall include the following sections as a minimum:
- (1) Program Description. A description of the facility's safeguards and security acceptance and validation testing program shall be provided. Descriptive elements shall include the development, implementation, revision and recordkeeping of test plans and the preparation of required reports.
 - (2) Program Administration. A description of organizations and positions responsible for developing, implementing, and maintaining test plans and submitting reports shall be included in this section.
 - (3) Critical System Elements. The requirements basis consisting of critical system elements to be confirmed through testing shall be described and listed in this section.
 - (4) Test Documentation Requirements. A list of test plans and test reports shall be included in this section, with a reference to each requirement presented in the Critical System Elements section.
 - (5) Corrective Action Requirements. Corrective actions to be taken for failures of safeguards and security elements to pass test criteria specified as a requirements basis shall be described in this section.
 - (6) Resources. Specialized personnel, equipment, and facilities required for development, implementation, revision, and archival of the test program shall be identified and described in this section.
 - (7) References. A list of pertinent requirements basis documents, standards, procedures, and reports shall be included in this section.
- c. Safeguards and Security Validation Test Plan Written test plan(s) shall be developed for each facility to validate safeguards and security systems and critical elements. The plan shall include the following sections as a minimum:
- (1) Test Objectives. Identify and describe the test objectives.
 - (2) Scenario Descriptions(s). Describe the threat scenarios evaluated by the validation tests. The scenarios may be restricted to specific, limited aspects of the safeguards and security system - e.g., weapons detection at a Protected Area entry point, or many elements of a total system, e.g., a Force on Force exercise.

- (3) Test Methodology and Evaluation Criteria. State how the validation test will be conducted. List the steps involved in the process of planning and execution. Include a description of any statistical models or mathematical formulas used to determine probabilities and confidence levels, the number of tests to be performed under each scenario to be tested, and pass/fail criteria. Also, models, equations, or methods to be used for data analysis shall be presented and discussed in detail. For tests validating effectiveness of equipment, provisions for recording calibration settings and equipment configurations shall be described.
- (4) Test Controls. Identify those controls to be imposed to maintain the integrity of the test, yet minimize safety and security risks. Controls apply to people, procedures, and equipment characteristics - e.g., use of trusted agents, providing minimum notice of test, controlling lighting levels, or testing equipment under specific temperature and humidity environmental conditions.
- (5) Resource Requirements. List resources that are needed to effectively conduct the test, including facilities, personnel, and equipment.
- (6) Test Coordination Requirements. Identify operational and support elements - such as, facility operations, safety, quality assurance, and safeguards and security management, where coordination is necessary.
- (7) Operational Impact(s) of Testing Program. Describe the operational impacts, if any, that will result from conducting the test - e.g., facility production rates and overtime costs.
- (8) Compensatory Measures (if necessary). Identify measures that are necessary to compensate for any degradation of safeguards and security readiness experienced while conducting the validation test. Also, identify measures to be implemented in the event of test failures. Reference to existing, approved procedures for compensatory measures is acceptable.
- (9) Coordination and Approval Process. Describe the approval and signoff process for test records and reports, including provision for witness initials, dates of data collection, and use of compensatory measures.
- (10) References. Applicable DOE Orders and Manuals, SSSPs, Safeguards and Security plans, and other DOE policy related documents containing requirements for the element or system being validated shall be included in a list of references. Also, any other reference material used in analysis, calculations, or discussion in this test plan or the associated test report shall be included in this list. For each reference, applicable sections and/or paragraph numbers shall be included.

- d. Safeguards and Security Acceptance and Validation Test Reports. Test results shall be documented in test reports, which shall include the following sections as a minimum:
- (1) Objectives. A restatement of test objectives from the associated test plan shall be included to permit a basic understanding of the data collected and significance of the conclusions and recommendations.
 - (2) Test Data. Recorded test data shall be provided, including test forms and data sheets with original signoffs and handwritten notes. Test data, signoffs, and dates beside each signoff shall be recorded in pen and ink.
 - (3) Data Analysis. Analysis of the test data shall be documented, using models, equations, or methodology presented in the associated test plan.
 - (4) Test Results and Recommendations. A statement of success or failure according to evaluation criteria provided in the test plan shall be included. Also, any unusual observations related to the area tested, but not otherwise addressed in the associated test plan, shall be discussed. Recommendations shall be included for any variations from expected test results.
 - (5) Corrective Actions. Corrective actions recommended for safeguards and security measures failing to meet requirements shall be listed and discussed. The persons, organizations, or groups responsible for the corrective actions should be identified. Both immediate and longer range solutions will be discussed.
 - (6) References. The related test plan and other pertinent references included in the test plan shall be listed.
- e. Test Documentation Retention. Safeguards and security acceptance and validation test program plans, safeguards and security acceptance and validation test plans, and safeguards and security acceptance and validation test reports shall be maintained as follows:
- (1) Recordkeeping systems shall be capable of providing an audit trail which clearly shows the relationship between all test data and test documentation.
 - (2) Test documentation shall be retained according to DOE 1324.2A, RECORDS DISPOSITION, or as provided by law or contract.
- f. Unsatisfactory Results. Unsatisfactory results are determined from criteria specified in a safeguards and security validation test plan. The possibility of unpredictable test results which may not be categorized as

pass or fail is recognized and addressed in the Test Results and Recommendations section of the safeguards and security acceptance and validation test report. Unsatisfactory results of a test may be cause to alter or suspend program operations protected by inadequate safeguards and security measures, if national security and/or the health and safety of facility employees or the public is jeopardized.

- (1) A decision to suspend operations is the responsibility of the cognizant Head of Field Element or the cognizant Secretarial Officer.
- (2) The significance of the programmatic impact that would occur, compensatory measures which have been, or can be, implemented, previous test results, other inspection findings, and potential as well as the immediacy of the risk to national security and the health and safety of the employees or the public will be the basis for a decision to suspend operations.

9. IMPLEMENTATION SCHEDULE. Plans for full implementation of the requirements of DOE 5630.16 were required to be approved by Heads of Field Elements not later than 4-16-93. Plans shall be based on the status of existing compliance with this Order and shall include the timeframe for incremental and full implementation of those requirements not currently met. Copies of approved plans shall be submitted to the cognizant Secretarial Officer and SA-10.
10. ASSISTANCE. Questions concerning this Order should be directed to Chief, Physical Security Branch, Telephone 301-903-4244.

BY ORDER OF THE SECRETARY OF ENERGY:



LINDA G. SYE
Acting Director of Administration
and Management

REFERENCES

1. DOE 1324.2A, RECORDS DISPOSITION, of 9-13-88, which provides standards for the orderly disposition of records.
2. DOE 1360.26, UNCLASSIFIED COMPUTER SECURITY PROGRAM, of 5-18-92, which establishes requirements, policies, and responsibilities for developing, implementing, and sustaining a DOE unclassified computer security program.
3. DOE 5000.3B, OCCURRENCE REPORTING AND PROCESSING OF OPERATIONS INFORMATION, of 1-19-93, which establishes a system for reporting of operations information related to DOE-owned or operated facilities and processing of that information to provide for appropriate corrective action.
4. DOE 5300.2D, TELECOMMUNICATIONS: EMISSION SECURITY (TEMPEST), of 5-18-92, which establishes emission security (TEMPEST) policy and program for automated Information and telecommunications information processing equipment pursuant to national program requirements.
5. DOE 5300.3C, TELECOMMUNICATIONS: COMMUNICATIONS SECURITY, of 5-18-92, which establishes policy, responsibilities, and guidance concerning the communications security (COMSEC) aspects of the telecommunications services of the Department, and implements national policy on telecommunications and automated information systems security.
6. DOE 5480.16, FIREARMS SAFETY, of 1-12-88, which provides standards and procedures for the safe use of firearms.
7. DOE 5480.19, CONDUCT OF OPERATIONS REQUIREMENTS FOR DOE FACILITIES, of 7-9-90, which provides operational Departmental policy for use in developing orders, plans, and/or procedures related to the conduct of operations and facilities.
8. DOE 5630.11A, SAFEGUARDS AND SECURITY PROGRAM, of 12-7-92, which serves as the general policy document for the DOE Safeguards and Security Program, and contains applicable references.
9. DOE 5630.12A, SAFEGUARDS AND SECURITY INSPECTION AND EVALUATION PROGRAM, of 6-23-92, which serves as the general policy document for the DOE Safeguards and Security Inspection and Evaluation Program, and contains applicable references.
10. DOE 5630.13A, MASTER SAFEGUARDS AND SECURITY AGREEMENTS, of 6-8-92, which establishes Departmental policy for developing master safeguards and security agreements.
11. DOE 5630.14A, SAFEGUARDS AND SECURITY PROGRAM PLANNING, of 6-9-92, which establishes a standardized approach to protection program planning, and prescribes DOE policy, objectives, responsibilities and authorities for the planning process.
12. DOE 5632.16, PROTECTION PROGRAM OPERATIONS, of 9-8-92, which establishes policy, responsibilities, and authorities for the physical protection of security interests, and contains applicable references and definitions.

13. DOE 5632.2A, PHYSICAL PROTECTION OF SPECIAL NUCLEAR MATERIAL AND VITAL EQUIPMENT, of 2-9-88, which establishes Departmental policy for the physical protection of special nuclear materials.
14. DOE 5632.5, PHYSICAL PROTECTION OF CLASSIFIED MATTER, of 2-3-88, which establishes Departmental policy for the physical protection of classified matter.
15. DOE 5632.6, PHYSICAL PROTECTION OF DOE PROPERTY AND UNCLASSIFIED FACILITIES, of 2-9-88, which establishes Departmental policy for the physical protection of DOE property and unclassified facilities.
16. DOE 5632.7, PROTECTIVE FORCES, of 2-9-88, which prescribes Departmental policy for the management, operation, and training of protective forces responsible for protecting security interests at DOE facilities.
17. DOE 5632.8, PROTECTION PROGRAM OPERATIONS: SYSTEM PERFORMANCE TESTS, of 2-4-88, which establishes requirements for the evaluation of protection system capabilities.
18. DOE 5633.3A, CONTROL AND ACCOUNTABILITY OF NUCLEAR MATERIALS, of 2-12-93, which prescribes Departmental policies and responsibilities for control and accountability of nuclear materials.
19. DOE 5634.1B, FACILITY APPROVALS, SECURITY SURVEYS, AND NUCLEAR MATERIALS SURVEYS, of 9-15-92, which establishes requirements for granting, maintaining and terminating facility activity approvals and conducting onsite inspections of facilities with safeguards and security activities.
20. DOE 5639.8, SECURITY OF FOREIGN INTELLIGENCE INFORMATION AND SENSITIVE COMPARTMENTED INFORMATION FACILITIES, of 9-15-92, which establishes responsibilities and authorities for the protection of Foreign Intelligence Information and Sensitive Compartmented Information Facilities within DOE.
21. DOE 5650.2B, IDENTIFICATION OF CLASSIFIED INFORMATION, of 12-31-91, which prescribes Departmental policies for classification of information.
22. DOE 5650.3A, IDENTIFICATION OF UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION, of 6-8-92, which prescribes Departmental policies for designation of unclassified controlled nuclear information.
23. DOE 5700.6C, QUALITY ASSURANCE, of 8-21-91, which provides standards and procedures for quality assurance.
24. DOE 6430.1A, GENERAL DESIGN CRITERIA, of 4-6-89, which provides design criteria for use in the acquisition of the Department's facilities.
25. Title 48, Federal Acquisition Regulations System, Chapter 1, Federal Acquisition Regulation, Part 46, "Quality Assurance," which provides criteria for addressing acceptance testing elements in procurement specifications.
26. Federal Environmental Inspections Handbook, of 10-91, by the Department of Energy, Office of Environmental Guidance (EH-231), which provides environmental considerations in testing.

DEFINITIONS

1. COVERED CONTRACTOR. A covered contractor is a seller of supplies or services involving access to and protection of classified matter, nuclear materials, or other safeguards and security interests under a procurement contract or subcontract.
2. CRITICAL SYSTEM ELEMENT. A component of a larger system which directly affects the ability of that system to perform a required function. Critical system elements may include safeguards and security equipment, procedures, and/or people.
3. EFFECTIVENESS TEST. A test to confirm that a critical system element is operating as required and can effectively perform a specified function. For example, in a balanced magnetic switch, an effectiveness test for intrusion detection would confirm that a 1 inch or more separation of the switch mounted on the door frame from the magnet mounted on the door resulted in an alarm.
4. FACILITY. An educational institution, manufacturing plant, laboratory, office building, or complex of buildings located on the same site that is operated and protected as one unit by the Department or its contractor(s).
5. OPERABILITY TEST. A test to confirm that a critical system element or total system is operating. For a balanced magnetic switch, an operability test would confirm that opening the door for entry or exit resulted in an alarm.
6. PERFORMANCE TEST. A test to confirm the ability of an implemented and operating, critical system element or total system to meet an established requirement of protection against an adversary.
7. VALIDATION. The confirmation by testing that an implemented, operational system or critical system element meets established requirements.

U.S. Department of Energy
Washington D.C.

ORDER

DOE 5630.17

9-29-92

SUBJECT: SAFEGUARDS AND SECURITY (S&S) STANDARDIZATION PROGRAM

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1. PURPOSE. To provide policies, procedures, responsibilities and authority for the S&S Standardization Program to ensure the most effective and efficient use and procurement of S&S equipment and systems.
 2. CANCELLATION. DOE 5632.10, SAFEGUARDS AND SECURITY (S&S) EQUIPMENT STANDARDIZATION, of 1-12-90.
 3. APPLICATION TO CONTRACTS. Except as excluded in paragraph 4, the provisions of this Order are to be applied to covered contractors and they will apply to the extent implemented under a contract or other agreement. A covered contractor is a seller of supplies or services that is awarded a procurement contract or a subcontract involving access to classified matter, special nuclear materials, unclassified sensitive information, or other security interest.
 4. EXCLUSION. DOE facilities and activities regulated by the Nuclear Regulatory Commission (NRC) are exempt from the requirements of this Order. Office of Civilian Radioactive Waste Management (RW) personnel and activities not directly associated with the NRC licensed facilities, and thus not covered by the NRC directives, are subject to the provisions of this Order.
 5. REFERENCES. See Attachment 1.
 6. DEFINITIONS. Definitions of terms commonly used in the S&S Program are provided in the "Safeguards and Security Definitions Guide" which is maintained and distributed by the Office of Safeguards and Security. In addition, the following definitions are pertinent to this Order:
 - a. S&S Equipment. Includes S&S equipment used by protective personnel in the performance of their duties; equipment used to control and account for special nuclear material in storage, process, and transit; exterior and interior access control and intrusion detection equipment and systems; and all S&S safety-related equipment.
 - b. Standardization. The process to make S&S equipment, systems and training similar throughout the DOE complex, in order to achieve cost savings and/or cost avoidance, to facilitate both contingency efforts and Order compliance, and to promote safety.
 - c. Common Procurement. Acquisition of identified S&S equipment through the process described in this Order.

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