

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

PAGE CHANGE

DOE 5632.2A Chg 1

1-17-89

SUBJECT: PHYSICAL PROTECTION OF SPECIAL NUCLEAR MATERIAL AND VITAL EQUIPMENT

1. PURPOSE. To transmit revised pages to DOE 5632.2A, PHYSICAL PROTECTION OF SPECIAL NUCLEAR MATERIAL AND VITAL EQUIPMENT.
2. EXPLANATION OF CHANGE. This is an administrative correction which was identified during a DOE/Nuclear Regulatory Commission comparability review of special nuclear material transport conducted during September/October 1988.
3. FILING INSTRUCTIONS.

a. <u>Remove Page</u>	<u>Dated</u>	<u>Insert Page</u>	<u>Dated</u>
1	2-9-88	1	1-17-89
2	2-9-88	2	2-9-88

- a. After filing the attached pages, this transmittal may be discarded.

BY ORDER OF THE SECRETARY OF ENERGY:



LAWRENCE F. DAVENPORT
Assistant Secretary
Management and Administration

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INITIATED BY:
Office of Safeguards and Security

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

ORDER

DOE 5632.2A

2-9-88

Chg 1: 1-17-89

SUBJECT: PHYSICAL PROTECTION OF SPECIAL NUCLEAR MATERIAL AND
VITAL EQUIPMENT

1. PURPOSE. To prescribe the Department of Energy (DOE) policy for the physical protection of special nuclear material (SNM) and vital equipment, including nuclear reactors, and to establish baseline requirements and standards for those security interests.
2. SCOPE. The provisions of this Order apply to all Departmental Elements and contractors performing work for the Department as provided by law and/or contract and as implemented by the appropriate contracting officer.
3. POLICY. SNM and vital equipment, including nuclear reactors, under the jurisdiction of the Department are to be protected from theft, sabotage, and other hostile acts which would cause adverse impacts on national security or on the health and safety of the public. Levels of protection appropriate to particular facilities are to be provided in a graded fashion in accordance with the potential risks as set forth in applicable site-specific safeguards and security plans and/or Master Safeguards and Security Agreements (MSSAs).
4. APPLICABILITY. This Order applies to all SNM and vital equipment which is in the possession of Departmental Elements or Departmental contractors, or other organizations performing work for the Department, and which is not subject to license by the Nuclear Regulatory Commission (NRC). SNM under international or bilateral agreement (not subject to license by the NRC) shall be protected in accordance with the specific terms of that agreement or this Order, whichever is more restrictive.
5. REFERENCE. DOE 5632.1A, PROTECTION PROGRAM OPERATIONS, of 2-9-88, which establishes policy, responsibilities, and authorities for the physical protection of security interests, and contains applicable references and definitions.
6. BASIC REQUIREMENTS.
 - a. Information and guidance regarding implementation of these requirements are contained in the Protection Program Operations section of the DOE Safeguards and Security Standards and Criteria. That guidance shall be implemented and documented in accordance with DOE 5632.1A.

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- b. A facility shall not receive, use, process, or store SNM until an SNM facility approval has been granted, based on a review and acceptance of the safeguards and security plan and/or an onsite survey by the responsible field element, as required by DOE Order 5634.1A, SECURITY SURVEYS, NUCLEAR MATERIAL SURVEYS, AND FACILITY APPROVALS.
- c. Protection provided specific security interests shall be consistent with protection levels for applicable portions of the classified threat guidance issued by the Assistant Secretary for Defense Programs, or applicable portions of the approved site-specific threat.
- d. Application of this Order in establishing physical protection systems within each category of SNM should consider special conditions such as ease of accessibility and concealment, portability, radioactivity, and other controlling factors. Specific protection measures necessary to meet identified protection needs, including protective force response capabilities, shall be documented in approved site safeguards and security plans and/or MSSAs.
- e. Specific hostile actions to be protected against involving SNM and vital equipment or SNM shipments include:
 - (1) Theft of SNM, e.g., unauthorized removal from a material access area, protected area, or from a shipment.
 - (2) Diversion of SNM, e.g., unauthorized placement within a material access or protected area.
 - (3) Radiological sabotage of SNM or vital equipment, including nuclear reactors or shipments. Protection against radiological sabotage shall be consistent with the potential for unacceptable consequences of such an act. Determination of an unacceptable impact on the health and safety of the public from radiological sabotage, based on radiological exposure, shall be defined by the field element, agreed to by the appropriate Headquarters program offices, and be consistent with limits established by Title 10 CFR Part 100.
 - (4) Industrial sabotage of SNM or vital equipment. Protection against industrial sabotage shall be consistent with the potential programmatic consequences of such an act. The interruption of programmatic activity from industrial sabotage which results in an unacceptable impact on national security shall be defined by the field element and agreed to by appropriate Headquarters program offices.