



Department of Energy
National Nuclear Security Administration
Washington, DC 20585
February 27, 2007



MEMORANDUM FOR MICHAEL KANE
ASSOCIATE ADMINISTRATOR
FOR MANAGEMENT AND ADMINISTRATION

THROUGH: INGRID KOLB
DIRECTOR, OFFICE OF MANAGEMENT

FROM: Thomas P. D'Agostino
Deputy Administrator
for Defense Programs

SUBJECT: REQUEST TO REVISE DOE O 452.4A,
SECURITY AND CONTROL OF NUCLEAR EXPLOSIVES
AND NUCLEAR WEAPONS

- PURPOSES:
1. Update the established Department of Energy (DOE), including National Nuclear Security Administration (NNSA), requirements and responsibilities to prevent the deliberate unauthorized use (DUU) of U.S. nuclear explosives and U.S. nuclear weapons. The update is required because of the specific direction provided in National Security Presidential Directive (NSPD) 28.
 2. Continue support of the research and development (R&D) program on a broad range of security and control methods and devices for nuclear explosives and nuclear weapons during all phases of their life cycle.
 3. Require continued development of methods to maintain and regain control (should control ever be lost) of all nuclear explosives and nuclear weapons during all phases of their life cycle.
 4. Ensure continued protection of public health and safety in conjunction with the Department of Defense through continuation of dual-agency judgment and responsibility for the surety of nuclear weapons.
 5. Require the continued development, implementation, and maintenance of an integrated system of controls to protect all nuclear explosives and nuclear weapons in the custody of the DOE against DUU.



JUSTIFICATION:

1. At DOE/NNSA Headquarters, the revised Order will provide a clearer and more concise policy for improving the safety, security, and use control of the nuclear weapons stockpile. The Order will also clarify the department's policy on management and elimination of the DUU threat. Lastly, the revision will help establish priorities within the Enhanced Surety Subprogram budget.

2. At the Program Management and Site Office level, the revised Order will be used to further establish program priorities and establish performance criteria (milestones) for the laboratories and production facilities as they research, develop, and implement features and components into the weapons that are consistent with the direction provided in NSPD-28 and the Order.

3. The existing Order is identified as a performance standard in the contract of the laboratory and production facility contractors. The revision will further codify and clarify the standards of research, development, and operations at each of the respective facilities.

4. The revised Order will have primary impact on DOE O 452.1C, due for revision in 2007, and DOE M 452.4-1A, also scheduled for revision in 2007. The revision will also have minor impacts on a variety of other nuclear weapon orders and manuals relating to safety, security, and emergency response.

IMPACT:

Actual budget impacts will be minimal. DOE O 452.4A is a policy document. It defines the nuclear weapon safety, security, and use control standards. It is not a budget requirements document. When revised, it will lead to improved establishment of priorities, requirements, and performance measures to the contractors at the laboratories and production facilities. The main purpose of the revision is to make it clearer and more precise, thereby improving the efficiency and cost effectiveness of the funding profiles across the hundreds of budget lines they affect while improving safety, security, and use control of the nuclear weapons stockpile.

CONTACT:

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RECOMMENDATION: Approve DOE O 452.4A for revision.

OFFICE OF MANAGEMENT'S RECOMMENDATION:

Recommend Approval: _____

Recommend Disapproval: _____

Timeframe: _____ 30 days _____ 60 days _____ 90 days _____ 120 days

Date: _____

NNSA'S DECISION:

Approved: _____

Disapproved: _____

Date: _____

**Development Schedule
for Order on
Security and Control of Nuclear Explosives and Nuclear Weapons
DOE O 452.4A**

The subject directive is proposed to be processed under Track 3

Milestone	Date
NA-121 completes preliminary draft for presentation and review by Defense Programs Surety Committee (DSC) Subgroup	February 1, 2007
Defense Programs Surety Committee (DSC) Subgroup Meet to continue drafting Order Revision (first meeting)	February 14, 2007
NA-121 sends Justification Memorandum to Office of Information Resource Management, MA-44	February 27, 2007
NA completed and sent MA-44 development schedule	March 6, 2007
Defense Programs Surety Committee (DSC) Subgroup Meet to continue drafting Order Revision (second meeting)	March 19, 2007
Defense Programs Surety Committee (DSC) Subgroup Meet to continue drafting Order Revision (final meeting)	April 10, 2007
NA-121 develop initial draft directive	April 23, 2007
Route directive through NA for comments	May 23, 2007
Resolve internal comments and produce revised draft	June 22, 2007
Obtain concurrence from NA	July 10, 2007
Submit to MA-44 for review, editing/formatting	July 20, 2007
Post to RevCom for comments, comment resolution & concurrence (Track 3, 90 days)	July 27 2007
Target Approval Date	October 31, 2007