



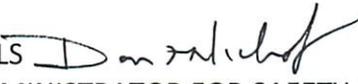
Department of Energy
National Nuclear Security Administration
Washington, DC 20585



MAY 15 2014

MEMORANDUM FOR: ROBERT NASSIF
ACTING ASSOCIATE ADMINISTRATOR FOR
MANAGEMENT AND BUDGET

THROUGH: INGRID KOLB
DIRECTOR, OFFICE OF MANAGEMENT

FROM: DON F. NICHOLS 
ASSOCIATE ADMINISTRATOR FOR SAFETY AND HEALTH

JM CHRONOLOGY
JM RECEIVED 5/20/14
OUT FOR REVIEW 5/23/14
DRB DISCUSSION 6/5/14

SUBJECT: Notice of Intent to Revise DOE Order 452.1D, *Nuclear Explosive and Weapon Surety Program*

PURPOSE: To safely execute NNSA nuclear weapons mission, operations involving nuclear explosives are currently carried out under the provision of four nuclear explosive safety (NES) directives consisting of two Orders and two Manuals. NNSA is proposing revisions for the suite of directives in order to (1) revise requirements to improve NES processes and (2) align the directives with the requirements of DOE Order 251.1C, *Departmental Directives Program*. This Justification Memorandum covers the revision of DOE Order 452.1D, *Nuclear Explosive and Weapon Surety Program*, to provide needed clarifications and enhancements.

Under a previous Justification Memorandum, NNSA initiated a cancellation review of DOE Manual 452.2-2, *Nuclear Explosive Safety Evaluation Process*, to be replaced by an NNSA Supplemental Directive. The other NES Order (452.2D) is being revised under a separate Justification Memorandum and will subsume the pertinent material of DOE M 452.2-1A.

JUSTIFICATION:

This Order is necessary and applicable only to NNSA nuclear explosive operations. There is no impact from this Order on other Department entities. However, given the paramount importance of nuclear explosive safety and surety, the high level requirements are being maintained within the structure of the DOE Directive system, i.e. as a DOE Order. To improve the effectiveness of NES processes, NNSA undertook a top-down review of the existing NES directives and identified process improvements to be reflected in revised directives. A diverse (headquarters/field office/program/safety staff) team developed the revised Order, which incorporates enhancements such as improved Weapon Design Surety requirements.

There are no valid external, consensus or other Standards (e.g., ISO, VPP, etc.) available which can be used in place of this directive.

IMPACT: The proposed revised Order does not duplicate existing laws, regulations or national standards and it does not create an undue burden on the Department.

RECEIVED
C. Tivado



The revised Order updates the current directive for Nuclear Explosive Operations; NNSA does not anticipate the revisions will have significant cost impact. The changes being made will clarify existing requirements and standards without adding new requirements or making significant changes to the intended outcome of the existing requirements and standards.

WRITER: Dr. Angela Chambers, (806) 477-6407

OPI/OPI CONTACT: Carl Sykes, (202) 586-7669

Ingrid Kolb, Director, Office of Management (MA-1):

Concur:  Nonconcur: _____ Date: 6-5-14

Robert Nassif, Acting Associate Administrator for Management and Budget (NA-MB-1):

Concur:  Nonconcur: _____ Date: 8-5-14

<u>Standard Schedule for Directives Development</u>	<u>Days</u>
Draft Development	60
Review and Comment (RevCom)	30
Comment Resolution	30
Final Review	30