

National Nuclear Security Administration Supplemental Listing of Directives Affecting Nuclear Safety Requirements

Last Updated 06/2014

**U.S. DEPARTMENT OF ENERGY
National Nuclear Security Administration
Office of the Chief of Defense Nuclear Safety**

AVAILABLE ONLINE AT:

<http://hq.na.gov> link to NNSA Policies/Supplemental Directives

This Page Intentionally Blank.

**ADDITIONAL DIRECTIVES (LATEST VERSION) REQUIRING CENTRAL
TECHNICAL AUTHORITY CONCURRENCE PRIOR TO GRANTING EXEMPTIONS,
EQUIVALENCIES OR EXCEPTIONS**

This document is maintained by the NNSA Chief of Defense Nuclear Safety and lists any directives, including Supplemental Directives or other NNSA issuances, for which NNSA employees must obtain Central Technical Authority concurrence prior to granting exemptions, equivalencies or exceptions. To enable use of a single reference, an updated list of directives identified in Attachment 1 from DOE O 410.1 is included on this list. If documents on this list are superseded prior to revision of this list, CTA concurrence requirements apply to the successor documents.

Directive	Title/Comment
DOE O 413.3B	Program and Project Management for the Acquisition of Capital Assets
DOE O 414.1D Admin Chg 1	Quality Assurance
DOE O 420.1C	Facility Safety
DOE O 422.1 Admin Chg 1	Conduct of Operations
DOE O 425.1D Admin Chg 1	Verification of Readiness to Startup or Restart Nuclear Facilities
DOE O 426.2 Admin Chg 1	Personnel Selection, Training, Qualification, and Certification Requirements for DOE Nuclear Facilities
DOE O 433.1B Admin Chg 1	Maintenance Management Program for DOE Nuclear Facilities
DOE M 435.1-1 Admin Chg 2	Radioactive Waste Management Manual
DOE O 435.1 Chg 1	Radioactive Waste Management
DOE O 452.1D Admin Chg 1	Nuclear Explosive and Weapon Surety Program
DOE M 452.2-1A Admin Chg 1	Nuclear Explosive Safety Manual

DOE M 452.2-2 Admin Chg 1	Nuclear Explosive Safety Evaluation Processes
DOE O 452.2D Admin Chg 1	Nuclear Explosive Safety
DOE O 460.1C	Packaging and Transportation Safety
DOE O 461.1B	Packaging and Transportation for Offsite Shipment of Materials of National Security Interest
DOE O 461.2	Onsite Packaging and Transfer of Materials of National Security Interest
DOE O 5480.30 Chg 1	Nuclear Reactor Safety Design Criteria

**ADDITIONAL REGULATIONS AND DIRECTIVES (LATEST VERSION) REQUIRING
CENTRAL TECHNICAL AUTHORITY CONCURRENCE PRIOR TO REVISION OR
CANCELLATION**

This document is maintained by the NNSA Chief of Defense Nuclear Safety and lists directives not included in DOE O 410.1, including Supplemental Directives or other NNSA issuances, for which NNSA personnel must obtain Central Technical Authority concurrence prior to providing NNSA concurrence on revisions or cancellations. To enable use of a single reference, an update of the list of directives identified in Attachment 2 from DOE O 410.1 is included on this list. If documents on this list are superseded prior to revision of this list, CTA concurrence requirements apply to the successor documents.

Directive	Title/Comment
BOP-10.002	Delegations of Nuclear Safety Authority
BOP-50.001A	NNSA ESAAB Equivalent Process
NA-1 M 226.1A	NNSA Line Oversight and Contractor Assurance System (LOCAS)
NNSA SD 226.1-1A	Headquarters Biennial Review of Nuclear Safety Performance Manual
NA-1 M 410.1A	Implementation of NNSA Central Technical Authority Responsibilities Regarding Nuclear Safety Requirements
NNSA SD 450.2	Functions, Responsibilities and Authorities (FRA) Document for Safety Management
NA-1 SD G 442.2	NNSA/EM Differing Professional Opinions Process
NA-1 SD 450.4-1	National Nuclear Security Administration Headquarters Integrated Safety Management System Description
DOE M 140.1-1B	Interface with the Defense Nuclear Facilities Safety Board
DOE G 151.1-1A	Emergency Management Fundamentals and the Operational Emergency Base Program
DOE G 151.1-2	Technical Planning Basis
DOE G 151.1-3	Programmatic Elements
DOE G 151.1-4	Response Elements

Directive	Title/Comment
DOE O 151.1C	Comprehensive Emergency Management System
DOE O 153.1	Departmental Radiological Emergency Response Assets
DOE O 210.2A	DOE Corporate Operating Experience Program
DOE O 225.1B	Accident Investigations
DOE O 226.1B	Implementation of Department of Energy Oversight Policy
DOE P 226.1B	Department of Energy Oversight Policy
DOE G 226.1-2A	Federal Line Management Oversight of DOE Nuclear Facilities
DOE O 227.1	Independent Oversight Program
DOE O 231.1B Admin Chg 1	Environment, Safety and Health Reporting
DOE O 232.2 Admin Chg 1	Occurrence Reporting and Processing of Operations Information
DOE O 251.1C	Departmental Directives Program
DOE O 252.1A Admin Chg 1	Technical Standards Program
DOE O 360.1C	Federal Employee Training
DOE O 410.1	Central Technical Authority Responsibilities Regarding Nuclear Safety Requirements
DOE O 410.2 Admin Chg 1	Management of Nuclear Materials
DOE O 413.3B	Program and Project Management for Acquisition of Capital Assets

Directive	Title/Comment
DOE G 414.1-1C	Management and Independent Assessments Guide
DOE G 414.1-2B Admin Chg 2	Quality Assurance Program Guide
DOE G 414.1-4	Safety Software Guide for Use with 10 CFR 830 Subpart A, Quality Assurance Requirements and DOE O 414.1C, Quality Assurance
DOE O 414.1D Admin Chg 1	Quality Assurance
DOE O 420.1C	Facility Safety
DOE P 420.1	Department of Energy Nuclear Safety Policy
DOE G 420.1-1A	Nonreactor Nuclear Safety Design Guide for Use with DOE O 420.1 Facility Safety
DOE G 421.1-2A	Implementation Guide for Use in Developing Documented Safety Analyses to Meet Subpart B of 10 CFR 830
DOE O 422.1 Admin Chg 1	Conduct of Operations
DOE G 423.1-1A	Implementation Guide for Use in Developing Technical Safety Requirements
DOE G 424.1-1B Admin Chg 2	Implementation Guide for Use in Addressing Unreviewed Safety Questions Requirements
DOE O 425.1D Admin Chg 1	Verification of Readiness to Startup or Restart Nuclear Facilities
DOE O 426.1 Ch 1	Federal Technical Capability
DOE O 426.2 Admin Chg 1	Personnel Selection, Training, Qualification, and Certification Requirements for DOE Nuclear Facilities
DOE G 430.1-2	Implementation Guide for Surveillance and Maintenance During Facility Transition and Disposition
DOE G 430.1-3	Deactivation Implementation Guide
DOE G 430.1-4	Decommissioning Implementation Guide

Directive	Title/Comment
DOE G 430.1-5	Transition Implementation Guide
DOE O 430.1B Chg 2	Real Property Asset Management
DOE G 433.1-1A Admin Chg 1	Nuclear Facility Maintenance Management Program Guide for Use with DOE O 433.1B
DOE O 433.1B Admin Chg 1	Maintenance Management Program for DOE Nuclear Facilities
DOE O 435.1 Chg 1	Radioactive Waste Management
DOE M 435.1-1 Admin Chg 2	Radioactive Waste Management Manual
DOE N 435.1	Contact-Handled and Remote-Handled Transuranic Waste Processing
DOE G 435.1-1 series	Implementation Guide for Use with DOE M 435.1-1 Chapters 1 through 4
DOE O 436.1	Departmental Sustainability
DOE O 440.1B Admin Chg 1	Worker Protection Management for DOE Federal Employees
DOE G 440.1-1B Admin Chg 1	Worker Safety and Health Program for DOE (including the National Nuclear Security Administration) Federal and Contractor Employees
DOE M 441.1-1	Nuclear Material Packaging Manual
DOE G 441.1-1C Admin Chg 1	Radiation Protection Programs Guide for Use with Title 10, Code of Federal Regulations, Part 835, Occupational Radiation Protection
DOE O 442.2	Differing Professional Opinions for Technical Issues Involving Environment, Safety and Health
DOE G 442.1-1	Department of Energy Employee Concerns Program Guide
DOE O 442.1A	Department Of Energy Employee Concerns Program
DOE O 450.2	Integrated Safety Management

Directive	Title/Comment
DOE P 450.4A	Integrated Safety Management Policy
DOE G 450.4-1C	Integrated Safety Management System Guide
DOE O 451.1B Admin Chg 3	National Environmental Policy Act Compliance Program
DOE O 452.1D Admin Chg 1	Nuclear Explosive and Weapon Surety Program
DOE M 452.2-1A Admin Chg 1	Nuclear Explosive Safety Manual
DOE M 452.2-2 Admin Chg 1	Nuclear Explosive Safety Evaluation Processes
DOE O 452.2D Admin Chg 1	Nuclear Explosive Safety
DOE P 454.1	Use of Institutional Controls
DOE G 454.1-1	Institutional Controls Implementation Guide for Use with DOE P 454.1, Use of Institutional Controls
DOE O 458.1 Admin Chg 3	Radiation Protection of the Public and the Environment
DOE G 460.1-1 series	Packaging and Transportation Safety
DOE O 460.1C	Packaging and Transportation Safety
DOE O 460.2A	Departmental Materials Transportation and Packaging Management
DOE G 460.2-1	Implementation Guide for Use with DOE O 460.2 Departmental Materials Transportation and Packaging Management
DOE M 460.2-1A	Radioactive Material Transportation Practices Manual
DOE O 461.1B	Packaging and Transportation for Offsite Shipment of Materials of National Security Interest
DOE O 461.2	Onsite Packaging and Transfer of Materials of National Security Interest
DOE O 5480.30 Chg 1	Nuclear Reactor Safety Design Criteria

Directive	Title/Comment
10 CFR 820	Procedural Rules for DOE Nuclear Activities
10 CFR 830	Nuclear Safety Management
10 CFR 835	Occupational Radiation Protection
10 CFR 851	Worker Safety and Health Program
48 CFR 970.5203-2	DOE Acquisition Regulation, Performance Improvement and Collaboration
48 CFR 970.5204-2	DOE Acquisition Regulation, Laws, Regulations and DOE Directives Clause
48 CFR 970.5215-3	DOE Acquisition Regulation, Conditional Payment of Fee, Profit and other Incentives—Facility Management Contracts Clause
48 CFR 970.5223-1	DOE Acquisition Regulation, Integration of Environment, Safety and Health Into Work Planning and Execution Clause
DOE-STD-1020-2012	Natural Phenomena Hazards Design and Evaluation Criteria for Department of Energy Facilities
DOE-STD-1027-92 Change Notice 1	Hazard Categorization and Accident Analysis Techniques for Compliance with DOE O 5480.23, Nuclear Safety Analysis Reports
DOE-STD-1030-96	Guide to Good Practices for Lockouts and Tagouts
DOE-STD-1063-2011 Change Notice 1	Facility Representatives
DOE-STD-1066-2012	Fire Protection Design Criteria
DOE-STD-1073-2003	Configuration Management Program
DOE-STD-1083-2009	Processing Exemptions to Nuclear Safety Rules and Approval of Alternate Methods for Documented Safety Analyses
DOE-STD-1090-2011	Hoisting and Rigging
DOE-HDBK-1099-96	Establishing Nuclear Facility Drill Programs
DOE-STD-1104-2009	Review and Approval of Nuclear Facility Safety Basis and Safety Design Basis Documents

Directive	Title/Comment
DOE-STD-1120-2005	Integration of Environment, Safety, and Health into Facility Disposition Activities
DOE-HDBK-1129-2008	Tritium Handling and Safe Storage
DOE-STD-1137-2014	Fire Protection Engineering Functional Area Qualification Standard
DOE-STD-1146-2007	General Technical Base Qualification Standard
DOE-STD-1150-2013	Quality Assurance Functional Area Qualification Standard
DOE-STD-1151-2010	Facility Representative Functional Area Qualification
DOE-STD-1158-2010	Self-Assessment Standard for DOE Contractor Criticality Safety Programs
DOE-STD-1159-2003	Waste Management Functional Area Qualification Standard
DOE-STD-1166-2003	Deactivation and Decommission Functional Area Qualification Standard
DOE-STD-1172-2011	Safety Software Quality Assurance Functional Area Qualification Standard
DOE-STD-1173-2009	Criticality Safety Functional Area Qualification Standard
DOE-STD-1174-2013	Radiation Protection Functional Area Qualification Standard
DOE-STD-1175-2013	Senior Technical Safety Manager Functional Area Qualification Standard
DOE-STD-1183-2007	Nuclear Safety Specialist Functional Area Qualification Standard
DOE-STD-1185-2007 Change Notice 1	Nuclear Explosive Safety Study Functional Area Qualification Standard
DOE-STD-1186-2004	Specific Administrative Controls
DOE-STD-1189-2008	Integration of Safety into the Design Process

Directive	Title/Comment
DOE-STD-1195-2011	Design of Safety Significant Instrumented Systems Used at DOE Non-Reactor Nuclear Facilities
DOE-STD-1196-2011	Derived Concentration Technical Standard
DOE-STD-1212-2012	Explosives Safety
DOE-STD-3006-2010	Planning and Conducting Readiness Reviews
DOE-STD-3007-2007	Guidelines for Preparing Criticality Safety Evaluations at Department of Energy Non-Reactor Nuclear Facilities
DOE-STD-3009-94 Change Notice 3	Preparation Guide for U.S. DOE Nonreactor Nuclear Facility Safety Analysis Reports
DOE-HDBK-3010-94	Airborne Release Fractions/Rates and Respirable Fractions for Nonreactor Nuclear Facilities Volume 1 - Analysis of Experimental Data, December 1994 Volume 2 - Appendices, December 1994
DOE-STD-3011-2002	Guidance for Preparation of Basis for Interim Operation (BIO) Documents
DOE-HDBK-3012-2003	Guide To Good Practices For Operational Readiness Reviews (ORR), Team Leader's Guide
DOE-STD-3013-2012	Stabilization, Packaging, and Storage of Plutonium-Bearing Materials
DOE-STD-3014-2006	Accident Analysis for Aircraft Crash into Hazardous Facilities
DOE-NA-STD-3016-2006	Hazard Analysis Reports for Nuclear Explosive Operations
DOE-STD-3020-2005	Specification for HEPA Filters Used by DOE Contractors
DOE-STD-3024-2011	Content of System Design Descriptions
DOE-STD-3025-2007	Quality Assurance Inspection and Testing of HEPA Filters
DOE-STD-3028-2000	Criteria for Packaging and Storing Uranium-233-Bearing Materials
DOE-STD-5506-2007	Preparation of Safety Basis Documents for TRU Waste Facilities