

**Safety Management
Functions, Responsibilities, and Authorities (FRA)
of the Office of the Assistant Secretary for
Environment, Safety and Health (EH)**

April 30, 2004

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Environment, Safety and Health**

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**Safety Management
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1.0 INTRODUCTION

This document describes the environmental, safety, and health (ES&H) management functions, responsibilities, and authorities of the Office of Environment, Safety and Health (EH). The functions, responsibilities, and authorities are presented consistent with those assigned to the Assistant Secretary for Environment, Safety and Health (EH) in Table 7 of **DOE M 411.1-1C** (Manual, 12/31/2003, EH) – *DOE Safety Management Functions, Responsibilities, and Authorities Manual-(FRAM)*.

While EH does not have direct line safety management functions and responsibilities, it does establish the ES&H policy, requirements and standards necessary for safely conducting DOE activities. It also has functions and responsibilities to establish and manage DOE corporate safety programs; to support DOE senior and line management in assuring that DOE and its contractors are performing work in a safe, effective, and responsible manner; to conduct analysis of data to identify quality and safety improvement opportunities; and to investigate and enforce potential violations of nuclear and worker safety rules.

2.0 ORGANIZATION AND MISSION

2.1 Assistant Secretary for Environment, Safety and Health

The Assistant Secretary for Environment, Safety and Health serves as the designated safety official and the principal advisor to the Secretary of Energy on matters relating to protection of the environment, workers, and the public from hazards posed by DOE facilities and operations.

The overall EH mission is to provide the corporate leadership, performance goals, assistance, policies, programs and feedback to enable the Department of Energy to achieve excellence in safety, quality and environmental stewardship.

The Office achieves its mission through the following:

- Develop and maintain DOE ES&H policy, requirements, standards and guidance;
- Serve as the DOE ES&H advocate to the Secretary, the Administrator of the National Nuclear Security Administration (NNSA), the program secretarial officers (PSOs), and the field organization managers (FOMs).
- Establish and manage DOE corporate safety programs that are necessary to meet ES&H requirements or to fulfill DOE expectations for the safe and healthy conduct of work at DOE sites;

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- Support DOE's position and coordinate interaction with regulators and other external stakeholders for development of ES&H regulations and standards. Provide guidance and assistance to the Secretary, the PSOs, and the FOMs in response to changing external requirements;
- Provide ES&H technical resources and programs that support and assist line management in fulfilling DOE's mission;
- Investigate and issue or recommend enforcement actions for violations by contractors of nuclear safety requirements under the Price-Anderson Amendments Act of 1988 provisions of the Atomic Energy Act (AEA); and
- Promote the health of DOE workers and communities.

The seven offices within EH listed below support its overall mission.

2.2 Deputy Assistant Secretary for Facility Safety (EH-2).

EH-2 develops and manages many Department-wide health and safety programs designed to improve safety performance, including the DOE Technical Standards Program. A key mission of the Office is to ensure that effective safety policies, standards, and procedures guide the operations of the Department of Energy Facilities. The office also maintains a formal liaison with external safety and health regulators, internal DOE program and line elements, contractor organizations, and external organizations relating to health and safety policy and standards. EH-2 employs proven techniques and activities, such as management-requested field assessments and technical support, safety analysis reviews, event and accident investigations, operational readiness reviews, special reviews, and support of the integration of safety into DOE projects. The Office also coordinates resolution of cross-cutting issues and provides support to the DOE Emergency Management Team.

2.3 Deputy Assistant Secretary for Corporate Performance Assessment (EH-3).

EH-3 provides analysis and certification of Department of Energy (DOE)-wide performance in protecting the public, the workers and the environment while performing the missions of DOE. This analysis supports corporate decision-making and synthesizes operational information to support continuous environment, safety and health (ES&H) improvement across the DOE complex. EH-3 also provides policy, guidance and support for the Department's quality assurance programs. This function also includes support for nuclear facility safety software quality assurance; corrective action management programs; and, suspect and counterfeit parts prevention processes. EH-3 provides independent technical evaluation of the Department's effectiveness, vulnerabilities, and trends in protecting the public, the workers, and the environment. It serves as the focal point for the collection, analysis, and dissemination of environment, safety, and health performance data. The Office also administers and implements Department's Voluntary Protection Program (DOE-VPP), modeled after OSHA's VPP, focused on promoting and recognizing safety excellence. The Office manages the DOE Lessons Learned and Operating Experience Program including the dissemination of best practices. EH-3 also

serves as the sponsor for dissemination of Integrated Safety Management (ISM) resource information.

2.4 Deputy Assistant Secretary for Environment (EH-4).

EH-4 promotes cost effective Department of Energy (DOE) mission accomplishment by providing corporate policy and guidance to meet current and future environmental compliance and pollution prevention requirements, developing guidance for Departmental environmental stewardship responsibilities, and setting goals to minimize the environmental impacts of DOE operations. EH-4 promotes environmentally responsible management practices throughout DOE and supports program and field offices in achieving this end by providing guidance in meeting current and oncoming compliance issues. EH-4 provides the central Department coordinating point on environmental requirements and regulations proposed by DOE and other Federal agencies. EH-4 also establishes DOE-wide policies and guidance for environmental protection and compliance and promotes national environmental goals through effective National Environmental Policy Act (NEPA) compliance, which includes independent review and approval of NEPA documents. EH-4 also represents the Department in interagency activities developing Federal policy on Environmental and public protection issues and in related activities associated with development or review of international policies, standards and guidelines. EH-4 also prepares corporate reports on DOE progress meeting environmental protection and pollution prevention goals in response to Executive Order requirements.

2.5 Deputy Assistant Secretary for Health (EH-5).

The Office of Health is responsible for managing programs that promote the health and safety of Department of Energy workers and communities surrounding DOE sites. The Office is supported by a cross-cutting technical team of industrial hygienists, health physicists, epidemiologists, and other health professionals. EH-5 develops safety policies, guidance, and technical standards for radiological, chemical, ergonomic, and biological hazards for work related to DOE production and site cleanup activities. EH-5 provides guidance to site occupational medicine programs, analyzes, and monitors injury and illness among current workers and former workers. This information is used to assist the Department in identifying those hazards that require preventive actions. It is also responsible for providing medical guidance to the Human Reliability and Employee Assistance Program. In addition, a health studies program to provide a better understanding of the long-term health effects associated with ionizing radiation and other exposures is supported through its international programs.

2.6 Director, Office of Price-Anderson Enforcement (EH-6).

The Office of Enforcement and Investigation implements the legislatively mandated nuclear safety and occupational, safety and health enforcement programs. EH-6 carries out the Department's function under the Price-Anderson Amendments Act of 1988 provisions of the Atomic Energy Act for investigation and potential enforcement of violations by contractors of DOE nuclear and worker safety regulatory requirements.

2.7 Director, Office of Planning and Administration (EH-7).

The Office of Planning and Administration provides centralized management and direction for EH planning, budgeting, training, financial, human resources, and program execution processes. EH-7 leadership ensures that these processes are effective, and fully integrated and consistent with, the Department-wide processes and requirements. EH-7 also facilitates and documents EH progress on the President's Management Agenda.

2.8 Director, Office of Worker Advocacy (EH-8).

The Worker Advocacy implements Subpart D of the Energy Employees Occupational Illness Compensation Program Act of 2000 (EEOICPA) and provides information to the Department of Labor and the Department of Health and Human Services (National Institute for Occupational Safety and Health) to support their activities within the EEOICPA.

EH-8 helps current and former employees of DOE contractors with qualifying occupational illnesses obtain benefits through State workers' compensation programs. The Office provides worker liaisons with State Workers Compensation offices to facilitate such claims. The Office sponsors an Advisory Committee of stakeholders from State agencies workers unions, medical and public health organizations to advise the Office on its advocacy practices and procedures. EH-8 operates a toll-free hotline for workers who are interested in filing workers' compensate on claims with their state programs or need assistance with previously filed claims and provides education and outreach to workers and their families, unions, and others to inform them about the benefits and assistance available to sick workers and their survivors.

3.0 DELEGATION OF AUTHORITY

As delineated in DOE M 411.1-1C (the FRAM), the Assistant Secretary for Environment, Safety and Health (AS EH) has various safety management responsibilities. Within EH, these responsibilities are discharged either by the Assistant Secretary or through the respective offices of the deputy assistant secretaries (DASs) and office directors as agents of the Assistant Secretary.

4.0 DOCUMENT CONTROL

The Assistant Secretary for Environment, Safety and Health approves EH's safety management functions, responsibilities, and authorities as described in this document. EH-7 distributes the approved document and EH-2 maintains the document current with EH functions, responsibilities, and authorities.

5.0 FUNCTIONS, RESPONSIBILITIES, AND AUTHORITIES

5.1 DOE Safety Management Functions, Responsibilities, and Authorities Manual

DOE M 411.1-1C (Manual, 12/31/2003, EH) – ***DOE Safety Management Functions, Responsibilities, and Authorities Manual*** lists the functions, responsibilities, and authorities of the Office of the Assistant Secretary for Environment, Safety and Health, either as the sole responsibility of the office, or as a general duty of each Secretarial office.

5.2 Table of EH Specific Functions, Responsibilities, and Authorities

EH's specific functions, responsibilities, and authorities are summarized in Table 1. The functions, responsibilities, and authorities are presented consistent with those listed in Table 7 of **DOE M 411.1-1C** (Manual, 12/31/2003, EH) – ***DOE Safety Management Functions, Responsibilities, and Authorities Manual***.

5.3 Tables of DOE Rules and Directives

EH is the Office of Primary Interest (OPI) for many DOE rules and DOE directives.. As OPI, EH is responsible for the development, revision, and maintenance of these documents to ensure they provide the most effective ESH&Q policy and guidance for implementation by DOE and its contractors. Tables 2 and 3 list those documents and identifies the specific EH office responsible for each document. Table 4 provides the title, data, and the hyperlink to all DOE directives and rules referenced in EH FRA.

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Function	EH AS Responsibility	Authorities	EH DAS Assignments	Relationship to EH Strategic Goals
<p>Environmental Issues</p>	<p>As the Agency environmental executive, monitor environmental programs related to –</p> <ul style="list-style-type: none"> • environmentally preferable product procurement and acquisition, • pollution prevention including waste prevention and recycling, and • corporate reports on progress. • EMS <p>Advise the Secretary with respect to:</p> <ul style="list-style-type: none"> • conformance of the Department’s activities to environmental protection activities to environmental protection laws and principles, and • conduct a comprehensive program of research and development on the environmental effects of energy technologies and programs. 	<p>DOE O 450.1</p> <p>The Department of Energy (DOE) Organization Act (P.L. 95-91, as amended), Sec. 203 (a)(3)</p> <p>E.O. 13101</p> <p>DOE M 411.1-1C</p> <p>DOE 5400.5</p> <p>E.O. 13148</p>	<p><u>EH-4</u></p> <ul style="list-style-type: none"> • When requested, review and provide comments on the adequacy of controls to prevent and mitigate environmental hazards at DOE facilities and activities. • Prepare: <ul style="list-style-type: none"> ⊖ Annual Corporate Pollution Prevention Progress Reports ○ Annual reports to the Administrator of the EPA and the Federal Environmental Executive. ○ Historical/cultural reporting. • Provide an independent overview of DOE and radioactive waste management and decommissioning programs and advise the Secretary (through the EH AS) of the status of Departmental compliance with radioactive waster management requirements. 	<p align="center">I</p>

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Function	EH AS Responsibility	Authorities	EH DAS Assignments	Relationship to EH Strategic Goals
<p>National Environmental Policy Act (NEPA)</p>	<ul style="list-style-type: none"> • Issue Notices of Intent for Environmental Impact Statements (EISs). • Approve EISs. • Conduct independent reviews of proposed actions under NEPA. • Provide DOE policy, guidance, and oversight for NEPA compliance. • Concur in the environmental content of Records of Decision • Determine whether a proposed action not clearly allowable as an interim action under NEPA regulations may proceed. • Grant appropriate variances from DOE NEPA regulations or DOE Order 451.1B • Advise the Secretary on DOE's NEPA Compliance Program • Direct a Secretarial Officer of Head of Field Organization to prepare an EIS or environmental assessment • Resolve disagreements among multiple involved offices regarding assignment of NEPA responsibilities 	<p>DOE O 451.1B 10 CFR Part 1021</p>	<p><u>EH-4</u></p> <ul style="list-style-type: none"> • Develop NEPA Policy. • Provide NEPA workshops, information, and leadership. • Issue quarterly NEPA lessons learned reports. • Maintain DOE's NEPA information resources. 	<p align="center">I II</p>

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Function	EH AS Responsibility	Authorities	EH DAS Assignments	Relationship to EH Strategic Goals
<p>(ES&H) Policies, Regulations, Directives, and Guidance (Rules, Regulations, and Orders for Safety</p>	<ul style="list-style-type: none"> • Policies. • Regulations/rules. • Orders. • Notices. • Manuals. • Guides. 	<p>Administrative Procedure Act (APA) DOE O 231.1A DOE M 231.1-1 DOE M 231.1-2 DOE O 251.1A DOE M 251.1-1A DOE P 410.1A AEA Price-Anderson Amendments Act (PAAA) E.O. 13148 DOE O 450.1 DOE P 411.1 E.O.13101 DOE 5400.5</p>	<p><u>All EH DAS</u></p> <p><i>When OPI---Rules (see Table 2 for a list of rules for which EH is the OPI and the assigned EH office):</i></p> <ul style="list-style-type: none"> • Draft and coordinate review of rules with the Office of General Counsel (GC) and other affected DOE organizations. • Submit draft rule notices (Notice of Intent, Request for Comments, Final Rule, etc) to GC-1 for coordination with the Secretary, OMB, and the Federal Register. • Prepare responses to comments in accordance with the Administrative Procedures Act (APA). • Revise rules when necessary. • Develop technical interpretations or technical positions for requirements. • Maintain cognizance & interact with other Federal agencies to ensure EH rules are consistent with Federal ES&H policies. • Establish and maintain files on rulemaking including all Federal Register Notices, correspondence, incoming comments (both paper and electronic), and resolutions of comments. <p><i>When not OPI:</i></p> <ul style="list-style-type: none"> • Review and comment on proposed rules of interest. 	

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<p>Environment, Safety, and Health (ES&H) Policies, Regulations, Directives, and Guidance (Rules, Regulations, and Orders for Safety</p> <p>(CONT'D)</p>	<ul style="list-style-type: none"> • Policies. • Regulations/rules. • Orders. • Notices. • Manuals. • Guides. 	<p>Administrative Procedure Act (APA) DOE O 231.1A DOE M 231.1-1 DOE M 231.1-2 DOE O 251.1A DOE M 251.1-1A DOE P 410.1A AEA Price-Anderson Amendments Act (PAAA) E.O. 13148 DOE O 450.1 DOE P 411.1 E. O. 13101 DOE 5400.5</p>	<p><u>All EH DAS</u></p> <p><i>When OPI—Policy (see Table 3 for a list of directives for which EH is the OPI and the EH office assigned responsibility for the directive):</i></p> <ul style="list-style-type: none"> • Prepare draft directives; coordinate them with other offices; and submit draft Orders and Manuals that have the potential to affect field elements and more than one PSO to the FMC for review (DAS or higher required to submit to FMC). • Revise directives as necessary and provide technical interpretation of directive requirements. • Submit final draft Policies, Orders, Notices, Manuals, Guides, and page changes to MA-4 for issuance unless they affect field elements and are presented to the FMC. • Designate a Directive Development Manager to coordinate review of directive (see Table 3 for assigned EH Office). • Identify the program offices that have the potential to be affected and coordinate with PSOs for those program offices for review and comment; coordinate with program counsel in the Office of General Counsel for review and comment. • Provide staff to participate on focus groups or technical development teams. • Represent DOE on interagency environmental protection and pollution prevention work groups • Approve draft directives and their accompanying justification documents when submitting directives to the FMC for review (must be at DAS level or higher). • Provide comments or recommendations to exemptions in accordance with the directive or DOE M 251.1-1A. <p><i>When not OPI:</i></p> <p>Review and comment on directives and page changes as appropriate.</p>	

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<p>Environment, Safety, and Health (ES&H) Policies, Regulations, Directives, and Guidance (Rules, Regulations, and Orders for Safety</p> <p>(CONT'D)</p>	<ul style="list-style-type: none"> • Policies. • Regulations/rules. • Orders. • Notices. • Manuals. • Guides. 	<p>Administrative Procedure Act (APA) DOE O 231.1A DOE M 231.1-1 DOE M 231.1-2 DOE O 251.1A DOE M 251.1-1A DOE P 410.1A AEA Price-Anderson Amendments Act (PAAA) E.O. 13148 DOE O 450.1 DOE P 411.1 E. O. 13101 DOE 5400.5</p>	<p><u>EH-2</u></p> <ul style="list-style-type: none"> • Maintain directives and technical standards for the following OSH areas: <ul style="list-style-type: none"> ○ Construction safety ○ Electrical Safety ○ Fire Protection ○ Firearms Safety ○ Explosives Safety ○ Hoisting and Rigging ○ Pressure Safety <p><u>EH-3</u></p> <ul style="list-style-type: none"> • Ensure that lessons learned and operating experience, and EH feedback and improvement work products are accessible so they can be incorporated into revisions of DOE directives. • Maintain directives and rules for the quality assurance, suspect and counterfeit parts, safety software quality assurance, and corrective action management. • Administer and implement DOE's Voluntary Protection Program (DOE-VPP). <p><u>EH-4</u></p> <ul style="list-style-type: none"> • Develop, revise, and maintain existing DOE environmental directives, policies, and documents to incorporate the goals and requirements of E.O. 13101 and E.O. 13148 <p><u>EH-5</u></p> <ul style="list-style-type: none"> • Maintain directives for the following OSH areas: <ul style="list-style-type: none"> ○ Biohazards ○ Beryllium ○ Exposure Assessment ○ Occupational Medicine ○ Radiological Safety ○ Exposure Assessment ○ Worker Safety 	

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<p>Federal Employee Occupational Safety and Health (FEOSH)</p>	<p>Requirements and guidance for the Department of Energy (DOE) FEOSH program.</p>	<p>DOE O 440.1A</p>	<p><u>EH-5</u></p> <ul style="list-style-type: none"> • Assign an office director the authority to coordinate with the Office of Management, Budget, and Evaluation (ME) to administer the DOE OSH program to meet the provisions of 29 CFR 1960.6, the Federal Worker 2000 Presidential Initiative, DOE O 440.1A, and HQ O 442.1, Headquarters Occupational Safety and Health Program. • Ensure there is sufficient budget and staffing to implement the EH FEOSH program. • Provide policy, guidance, and technical assistance to the PSOs and DOE field elements regarding FEOSH programs • Provide assistance to other field elements in the development of their respective FEOSH programs When requested. • Provide comments on FEOSH programs, when requested. • Support the EH AS as the Designated Safety and Health Manager. • Prepare DOE’s Annual FEOSH Report to the Secretary of Labor <p><u>All EH DAS</u></p> <ul style="list-style-type: none"> • Ensure implementation of the EH FEOSH program within each respective organization. 	<p align="center">III</p>

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Function	EH AS Responsibility	Authorities	EH DAS Assignments	Relationship to EH Strategic Goals
<p>Budget & Contracts</p>	<ul style="list-style-type: none"> • Office of Environment, Safety and Health budget. • Review of operating contract budgets to ensure ES&H is adequately addressed. 	<p>DOE O 130.1 DOE O 135.1 Office of Management and Budget (OMB) Circular A-11</p>	<p><u>EH-7</u></p> <ul style="list-style-type: none"> • Draft EH budget as requested by EH AS. Provide additional data, when requested, to support budget requests. • Coordinate with CR-1 on the EH budget as the EH principal point of contact for the budget formulation process. • Coordinate and prepare EH Strategic Plan. <p><u>EH-2</u></p> <ul style="list-style-type: none"> • Review facility design, operating and decontamination/decommissioning contracts and requests for proposal to ensure: <ul style="list-style-type: none"> ○ ES&H is adequately addressed. ○ Any exemption requests made to ES&H requirements are appropriate and reviewed in accordance with 48 CFR 970.5204-2(c). ○ they contain clear and unambiguous lines of authority and responsibility for at all organizational levels. <p><u>All EH DAS</u></p> <ul style="list-style-type: none"> • Provide data as needed to develop, support, and defend budget requests. • Provide input to the EH AS for the DOE Strategic Plan. • Prepare office strategic plans and mission statements for EH-1 approval. • Implement DOE and EH strategic plans. • Draft EH budget as requested by EH AS. • Provide additional data, when requested, to support budget requests. 	<p align="center">IV</p>

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<p>Safety Analysis, Hazard Controls, and Hazard Categorization</p>	<ul style="list-style-type: none"> • Requirements and guidance. • Concurrence on alternate methodologies other than safe harbor methodologies in Table 2 to Appendix A of 10 CFR Part 830. • Concurrence on other documents when requested. • Safety Basis Information System (SBIS). 	<p>10 CFR Part 830, Subpart B 29 CFR 1910.1450 29 CFR 1910.120 DOE O 420.1A DOE O 420.2A</p>	<p><u>EH-2</u></p> <ul style="list-style-type: none"> • When requested, review and provide comments on the hazard identification and hazard analysis in selected safety documentation. • When requested, review and comment on selected: <ul style="list-style-type: none"> ○ authorization basis, ○ safety basis, and ○ management systems used to develop and maintain these bases. ○ USQ procedures, ○ TSRs ○ DSAs, and ○ preliminary DSAs. • Maintain the Safety Basis Information System (SBIS) to meet the requirement for a list of nuclear facilities, their safety basis status, and point-of-contact. • Review and provide recommendations on proposed alternate methodologies for DSAs for hazard category 1, 2, and 3 nuclear facilities, whenever the contractor does not use a safe harbor methodology from 10 CFR Part 830. • When requested, review and provide comments on the facility and activity hazard categorization in safety documentation. • Review and concur (comment if NNSA facility) on alternative DSA methodologies if not consistent with approved methodologies in Table 2 of Appendix A to Subpart B of 10 CFR Part 830. • Review and concur (comment if NNSA facility) on Preliminary DSAs if design criteria are not consistent with approved criteria in DOE O 420.1A. • If alternate methodology is accepted, issue guidance on use of approved methodology. • Provide training on developing, implementing and maintaining a nuclear safety basis. 	<p align="center">II III</p>

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<p>Safety Analysis, Hazard Controls, and Hazard Categorization</p> <p>(CONT'D)</p>	<p>Safety Analysis, Hazard Controls, and Hazard Categorization</p>	<p>10 CFR Part 830, Subpart B 29 CFR 1910.1450 29 CFR 1910.120 DOE O 420.1A DOE O 420.2A</p>	<p><u>EH-2&3</u></p> <ul style="list-style-type: none"> When requested, review and provide comments on specific requirements to be included in selected contracts, authorizations agreements, safety documentation, and authorization bases. 	
<p>Radiation Protection</p>	<p>Approve—</p> <ul style="list-style-type: none"> planned special exposures, alternate dosimetry, and exemptions Issue policies and guidance. 	<p>10 CFR Part 835 DOE P 441.1 DOE O 5400.5 Chg 2</p>	<p><u>EH-4</u></p> <ul style="list-style-type: none"> Assist as requested in implementation plans for elements of DOE 5400.5, Environmental Radiation Protection Program, including ALARA, monitoring and surveillance, groundwater monitoring, controlled release of property, and discharge goals. Review and approve Authorized Limits for residual radioactive material in mass and dos-based personal property. <p><u>EH-5</u></p> <ul style="list-style-type: none"> Review RPPs and updates to RPPs and provide comments (per 10 CFR Part 835, RPPs are considered approved 180 days after submission to DOE unless DOE rejects it before that date). 	<p align="center">II III</p>

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<p>Startup and Restart of Nuclear Facilities</p>	<ul style="list-style-type: none"> • Conduct independent reviews of startups in coordination with the Program Secretarial Officer. • Review and comment on startup and restart procedures, implementation plans, plans of action, and final reports. 	<p>DOE O 425.1C DOE O 420.2A</p>	<p><u>EH-2</u></p> <ul style="list-style-type: none"> • Recommend shutdown of work to the EH AS if a clear and present safety danger exists. • Review and provide comments on the ORR final report recommendations regarding startup or restart. • Maintain cognizance of ORR and readiness assessment (RA) activities in the field and headquarters. • Conduct reviews of startup activities for significant startups and restarts and as requested by the appropriate line organization. • Alert the EH AS to any dissenting opinion on the readiness of a facility to start up or restart, if a significant safety concern is not being properly corrected. • Review and comment on the hazard classification in the Startup Notification Report (SNR). • Review and comment on final readiness reports prior to startup or restart of a nuclear facility. • Provide any dissenting opinions on the final decision to startup or restart a nuclear facility, if a significant safety concern is not being addressed. 	<p align="center">II III</p>

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<p>Corrective Action Management Program (CAMP)</p>	<ul style="list-style-type: none"> • Monitor and report on the Corrective Action Management Program (CAMP). • Maintain the CATS database. • DOE directive for CAMP process. 	<p>DOE O 225.1A DOE O 414.1B DOE O 470.2B</p>	<p><u>EH-3</u></p> <ul style="list-style-type: none"> • Maintain direction and daily monitoring of the Corrective Action Management Program (CAMP) in coordination with CSOs and FEMs. • Maintain timeliness and quality control of the DOE Corrective Action Tracking System (CATS) used to track and report the status of the CAMP. • Sponsor, co-chair, and maintain continuous coordination with CAM Team members on specific organizational and DOE-wide CAMP activities and issues. • Continuously update CSOs and FEMs on the status of CAMP implementation and formally report program status to the Deputy Secretary and senior DOE managers on a quarterly basis. • Enter all findings and Judgments of Need into the Corrective Action Tracking System (CATS). 	<p align="center">IV</p>

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<p>ES&H Reporting</p>	<p>Maintain the following reporting systems:</p> <ul style="list-style-type: none"> • Computerized Accident/Incident Reporting System (CAIRS), • Occurrence Reporting and Processing System, and • Noncompliance Tracking System. <p>Annual corporate reports to OMB on Department's progress on E.O. 13101 and 13148</p>	<p>DOE N 231.2 DOE O 231.1A DOE M 231.1-1A DOE M 231.1-2 E.O. 13101 E.O. 13148 DOE O 450.1</p>	<p><u>EH-3</u></p> <ul style="list-style-type: none"> • Develop, maintain, and implement the ORPS. • Prepare and disseminate information obtained from analysis of ORPS information. • Actively seek feedback for continuous improvement of ORPS and upgrade requirements as appropriate. • Identify best practices and disseminate them through the EH website. • Develop, implement, and maintain a system for ES&H reporting. • Annual Summary of Occupational Injuries and Illnesses <p><u>EH-4</u></p> <ul style="list-style-type: none"> • Issue Annual ASER Guidance 	<p align="center">IV</p>
<p>ES&H Reporting (CONT'D)</p>	<p>Maintain the following reporting systems:</p> <ul style="list-style-type: none"> • Computerized Accident/Incident Reporting System (CAIRS), • Occurrence Reporting and Processing System, and • Noncompliance Tracking System. <p>Annual corporate reports to OMB on Department's progress on E.O. 13101 and 13148</p>	<p>DOE N 231.2 DOE O 231.1A DOE M 231.1-1A DOE M 231.1-2 E.O. 13101 E.O. 13148 DOE O 450.1</p>	<p><u>EH-5</u></p> <ul style="list-style-type: none"> • Prepare: <ul style="list-style-type: none"> ○ Annual DOE Report on FEOSH to the Secretary of Labor 	<p align="center">IV</p>

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Function	EH AS Responsibility	Authorities	EH DAS Assignments	Relationship to EH Strategic Goals
<p>Accident Investigation</p>	<ul style="list-style-type: none"> • Type A and B investigations. • Notifications. • Lessons learned. • CAPs. • Investigation reports. • Appoint officials for Type A Boards 	<p align="center">DOE O 225.1A</p>	<p><u>EH-2</u></p> <ul style="list-style-type: none"> • Perform accident investigations in accordance with DOE O 225.1A. 	<p align="center">IV</p>
<p>Reporting to External Organizations</p>	<p>Reports to external agencies for which the Office of Environment, Safety and Health is responsible include—</p> <ul style="list-style-type: none"> • seismic reports, • dam safety reports, • pollution prevention and abatement plans, • annual summary of occupational illnesses and injuries, • annual reports to the Environmental Protection Agency, • historical/cultural reporting, and • Interagency Nuclear Safety Review Panel reports of nuclear space applications to the President’s Science Advisor. 	<p align="center">OMB A-119 E.O. 13148 E.O. 12941 P.L. 104-303, the Water Resources Development Act of 1996 Presidential Directive PD/NSC/25</p>	<p><u>EH-2</u></p> <ul style="list-style-type: none"> • Prepare dam safety reports under P.L. 104-303. • Prepare: <ul style="list-style-type: none"> ○ OMB Circular A-119 Report on Standards ○ Seismic reports under E.O. 12941 ○ Interagency Nuclear Safety Review Panel reports of nuclear space applications <p><u>EH-3</u></p> <ul style="list-style-type: none"> • Prepare: <ul style="list-style-type: none"> ○ Annual Summary of Occupational Injuries and Illnesses <p><u>EH-4</u></p> <ul style="list-style-type: none"> • Prepare: <ul style="list-style-type: none"> ○ Annual Corporate Pollution Prevention Progress Reports to the Administrator of the EPA and the Federal Environmental Executive. ○ Historical/cultural reporting <p><u>EH-5</u></p> <ul style="list-style-type: none"> • Prepare: <ul style="list-style-type: none"> ○ Annual DOE FEOSH Report to the Secretary of Labor 	<p align="center">IV</p>

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Function	EH AS Responsibility	Authorities	EH DAS Assignments	Relationship to EH Strategic Goals
<p>DOE Technical Standards</p>	<ul style="list-style-type: none"> • Technical Standards Program. • DOE standards executive to represent DOE’s interests on consensus standards-setting organizations and the Interagency Committee on Standards Policy. • Report to meet OMB Circular A-119. 	<p>DOE O 252.1 DOE P 251.1 DOE M 251.1-1A P.L. 104-113 OMB A-119</p>	<p><u>EH-2</u></p> <ul style="list-style-type: none"> • Coordinate and manage the DOE Technical Standards Program. Specifically; <ul style="list-style-type: none"> ○ Assign the EH Technical Standards Coordinator responsible for coordinating EH review and comment on Technical Standards from other DOE Offices. ○ Assign role of DOE Standards Executive. ○ Assign DOE Technical Standards Director to manage the DOE Technical Standards Program. ○ Prepare annual report for Secretary to meet OMB-119. ○ Ensure proposed DOE Technical Standards are consistent with ES&H requirements. <p><u>All EH DAS</u></p> <p><i>When OPI:</i></p> <ul style="list-style-type: none"> • Develop and maintain technical standards in accordance with DOE O 252.1 and DOE G 252.1-1. <p><i>When not OPI:</i></p> <ul style="list-style-type: none"> • Review and comment on proposed DOE Technical Standards of interest. • Provide staff to participate on focus groups or technical development teams for DOE Technical Standards under development. 	<p align="center">II III IV</p>

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Function	EH AS Responsibility	Authorities	EH DAS Assignments	Relationship to EH Strategic Goals
<p>Exemptions</p>	<p>Grant or concur as authorized in regulations or Orders.</p>	<p>10 CFR Part 820, Subpart E DOE M 251.1-1A Exemption processes as specified in individual DOE Orders Exemption processes as authorized for external regulations</p>	<p><u>All EH DAS</u></p> <ul style="list-style-type: none"> As assigned, review and recommend approval or denial of exemption requests in accordance with the provisions for exemptions in the directive, or if there are no provisions in the directive, in accordance with the provisions for exemptions in DOE M 251.1A. <p><u>EH-2 & 3</u></p> <ul style="list-style-type: none"> Review requests for exemptions to 10 CFR 830 and recommend approval or denial, or provide comments as appropriate to the line management decision authority. <p><u>EH-5</u></p> <ul style="list-style-type: none"> Review requests for exemptions to 10 CFR 835 and recommend approval or denial, or provide comments as appropriate to the Assistant Secretary for Environment, Safety and Health. 	<p align="center">II III</p>

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Function	EH AS Responsibility	Authorities	EH DAS Assignments	Relationship to EH Strategic Goals
<p>Quality Assurance (QA)</p>	<ul style="list-style-type: none"> • DOE directives and regulation for QA • Office of Environment, Safety, and Health QA Program • Software QA • Suspect/Counterfeit Parts 	<p>10 CFR Part 830, Subpart A DOE O 414.1A Chg 1 DOE N 411.1 DOE O 440.1A</p>	<p><u>EH-2</u></p> <ul style="list-style-type: none"> • Establish and lead actions to improve QA implementation and to coordinate crosscutting QA issues. <p><u>EH-3</u></p> <ul style="list-style-type: none"> • Develop and maintain DOE QA directives (i.e., policy, requirements, guides, and standards) and regulation (i.e., 10 CFR Part 830, Subpart A). • Coordinate within DOE, and liaise with other agencies and groups, in the development of QA policy, requirements, guidance, and standards. Provide responses to requests for advice and assistance to DOE elements concerning DOE QA directives and regulations. • Represent the DOE to the International Atomic Energy Agency and the International Organization for Standardization on quality management policy/requirements issues. • Represent DOE on U.S. and international conformity assessment bodies. • Ensure the EH QAP is: <ul style="list-style-type: none"> ○ developed, maintained, and implemented; ○ continuously improved, ○ integrated into an ISM system, and ○ provided adequate resources to implement. • Establish DOE policies and processes for safety software quality assurance programs • Develop guidance and standards for suspect/counterfeit parts assurance programs 	<p align="center">II III IV</p>

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Function	EH AS Responsibility	Authorities	EH DAS Assignments	Relationship to EH Strategic Goals
Fire Protection (facility safety)	Authority having jurisdiction (in the Office of Environment, Safety and Health).	DOE O 420.1A (sec. 4.2)	<u>EH-2</u> <ul style="list-style-type: none"> • Coordinate fire protection safety and health policies for DOE. • Maintain directives for the Fire Protection area. 	<p align="center">II III</p>

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Function	EH AS Responsibility	Authorities	EH DAS Assignments	Relationship to EH Strategic Goals
<p>Lessons Learned, Feedback, and Improvement</p>	<p>Develop and disseminate lessons learned.</p>	<p>DOE M 140.1-1B DOE O 225.1A DOE N 231.2 DOE O 231.1A DOE M 231.1-2 DOE O 414.1A DOE O 425.1C DOE O 440.1A DOE O 451.1B DOE O 460.1B DOE O 5480.19 Chg 2</p>	<p><u>All EH DAS</u></p> <ul style="list-style-type: none"> Continuously improve the efficiency and quality of operation Develop, implement, and track corrective actions to profit from experience and the lessons learned. Track reports through CAIRS, REMS, ORPS, etc and prepare information or guidance for ES&H areas within their area of competence. <p><u>EH-3</u></p> <ul style="list-style-type: none"> Implement the DOE Lessons Learned and Operating Experience Program in coordination with PSO, FOM, contractors, and industry. Support the analysis and dissemination of lessons learned and operating experience information across the DOE complex. Develop methodologies and other tools for lessons learned and operating experience reporting and analysis. Actively seek feedback for continuous improvement of lessons learned and operating experience identification, analysis, and dissemination and upgrade requirements and guidance. Develop, maintain, and implement the ORPS. Prepare and disseminate information obtained from analysis of ORPS information. Actively seek feedback for continuous improvement of ORPS and upgrade requirements as appropriate. Identify best practices and disseminate them through the EH website. Develop, implement, and maintain a system for reporting. <p><u>EH-4</u></p> <ul style="list-style-type: none"> Provide an independent overview of DOE and radioactive waste management and decommissioning programs and advise the Secretary (through the EH AS) of the status of 	<p align="center">IV</p>

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Function	EH AS Responsibility	Authorities	EH DAS Assignments	Relationship to EH Strategic Goals
<p>Lessons Learned, Feedback, and Improvement (CONT'D)</p>	<p>Develop and disseminate lessons learned.</p>	<p>DOE O 435.1</p>	<p><u>EH-4</u></p> <ul style="list-style-type: none"> • Provide an independent overview of DOE and radioactive waste management and decommissioning programs and advise the Secretary (through the EHAS) of the status of Departmental compliance with radioactive waste management requirements. • Support LLW and TRU waste disposal authorizations through participation on the DOE O 435.1 Review Panel (Low-level Waste Federal Review group, LFRG), and review of disposal site performance assessments and composite analyses. 	<p align="center">IV</p>
<p>DOE Laboratory Accreditation Program (DOELAP)</p>	<p>Develop and implement the DOELAP in coordination with Cognizant Secretarial Officers, contractors, and industry.</p>	<p>10 CFR 835</p>	<p><u>EH-3</u></p> <ul style="list-style-type: none"> • Develop and implement the DOE LAP, approve or deny applications for accreditation, requests for technical equivalency, and requests for exception. 	<p align="center">IV</p>

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Function	EH AS Responsibility	Authorities	EH DAS Assignments	Relationship to EH Strategic Goals
<p>DNFSB Interface</p>	<ul style="list-style-type: none"> • Act as the Deputy Secretary’s agent on crosscutting issues. • Work with line management and program offices to identify and address obstacles that arise in the course of implementing corrective actions in response to issues that require action by multiple organizations. • Evaluate planned actions to ensure that collectively they are responsive to the DNFSB concerns and underlying causes. 	<p>Memorandum from Deputy Secretary McSlarrow, March 31, 2003 Letter from Deputy Secretary McSlarrow to DNFSB Chairman Conway, March 18, 2003 DOE M 140.1-1B</p>	<p><u>DAS designated as a Responsible Manager by EH AS</u></p> <ul style="list-style-type: none"> • For each Board recommendation or letter requesting action and for each Departmental commitment to the Board, manage the response, planning, implementation, tracking, and closure of the recommendation, action request, and/or associated commitments. • Provide status updates to the Safety Issues Management System (SIMS). • Prepare, coordinate, and transmit a closure package to the Board upon commitment completion. • Delegate day-to-day activities to a working level manager or technical lead, if desired. • Keep the cognizant Secretarial Officer informed of any issues that need senior management attention. • For cross-cutting issues, coordinate with the appropriate Headquarters and field managers in the other organization to implement the safety issue resolutions, consistent with the boundaries and authorities established by the controlling plan, commitment documents, or organizational memorandums of agreement. 	<p align="center">IV</p>

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Function	EH AS Responsibility	Authorities	EH DAS Assignments	Relationship to EH Strategic Goals
<p>Technical Qualifications</p>	<p>Ensure EH employees are qualified to perform their assigned functions.</p> <p>Provide adequate resources and support for FTCP.</p> <p>Implement FTCP for EH.</p> <p>Ensure EH personnel are qualified to perform their safety management functions and these qualifications are reflected in position descriptions and performance criteria.</p>	<p>DOE M 411.1-1B DOE O 360.1B DOE M 360.1-1B DOE O 414.1A, Chg 1 DOE M 426 .1-1</p>	<p><u>All EH DAS</u></p> <ul style="list-style-type: none"> • Ensure employees (including managers & supervisors) are qualified to perform their assigned functions and meet mandatory training requirements. • Provide comments & recommendations to EH AS regarding training policies and procedures for EH, as requested. • Ensure adequate funding is available for critical training needs. • Recommend to EH AS if DOE should waive training completion and continued service obligations to Federal government for any employee. • Recommend to the EH AS if DOE or employee should accept any training-related awards, honorariums, and/or other contributions towards cost of training to EH AS. <p><u>EH-2</u></p> <ul style="list-style-type: none"> • Develop and maintain directives for contractor training for nuclear activities (5480.20A, Chg 1). • Develop and maintain DOE directives to address training requirements for OSH and nuclear safety. <p><u>EH-3</u></p> <ul style="list-style-type: none"> • Ensure that lessons learned and operating experience, and EH feedback and improvement work products are accessible so they can be incorporated into training. 	<p align="center">IV</p>

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Function	EH AS Responsibility	Authorities	EH DAS Assignments	Relationship to EH Strategic Goals
<p>Technical Qualifications (CONT'D)</p>	<p>Ensure EH employees are qualified to perform their assigned functions.</p> <p>Provide adequate resources and support for FTCP.</p> <p>Implement FTCP for EH.</p> <p>Ensure EH personnel are qualified to perform their safety management functions and these qualifications are reflected in position descriptions and performance criteria.</p>	<p>DOE M 411.1-1B DOE O 360.1B DOE M 360.1-1B DOE O 414.1A, Chg 1 DOE M 426 .1-1</p>	<p><u>EH-4</u></p> <ul style="list-style-type: none"> Develop and maintain DOE directive to address training requirements for environmental protection consistent with EPA training requirements <p><u>EH-5</u></p> <ul style="list-style-type: none"> Develop and maintain DOE guidance to address radiological training requirements in 10 CFR Part 835. <p><u>EH-2</u></p> <ul style="list-style-type: none"> Implement the DOE Technical Qualification Program. 	<p align="center">IV</p>

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Function	EH AS Responsibility	Authorities	EH DAS Assignments	Relationship to EH Strategic Goals
<p>Civil Penalties/Enforcement</p>	<p>Enforcement program</p>	<p>10 CFR Part 820 Price-Anderson Amendments Act Atomic Energy Act of 1954, Section 234a Memorandum of Understanding between the Administrator for the National Nuclear Security Administration and the Assistant Secretary for Environment, Safety and Health, January 12, 2001</p>	<p><u>EH-6</u></p> <ul style="list-style-type: none"> • Investigate non-compliances with nuclear safety rules. • Assess the level of violation of non-compliances. • Establish, maintain, and implement a noncompliance tracking system for self-reporting by contractors. • For non-NNSA programs, issue notices of violation and issue civil penalties, where appropriate. For NNSA programs, recommend to NNSA that it issue notices of violation and civil penalties, where appropriate. • Refer violations to the Justice Department for criminal review, where appropriate. • Recommend issuance of compliance orders by the Secretary in accordance with the provisions of 10 CFR Part 820, where appropriate. • Issue enforcement letters to conclude an investigation in which no further action is warranted pending corrective action. • Negotiate and issue consent orders as appropriate. 	<p align="center">IV</p>

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Function	EH AS Responsibility	Authorities	EH DAS Assignments	Relationship to EH Strategic Goals
<p>Safety Management Functions, Responsibilities and Authorities Manual (DOE M 411.1-1) and Organizational Functions, Responsibilities and Authorities document</p>	<ul style="list-style-type: none"> • Update DOE M 411.1-1 annually. • Post DOE M 411.1-1 and any overriding Secretarial Memoranda on web page. • Update EH Functions, Responsibilities, and Authorities document annually. 	<p align="center">DOE M 411.1-1C</p>	<p><u>All EH DAS</u></p> <ul style="list-style-type: none"> • Review proposed EH FRA and any updates to the EH FRA and provide comments to EH-22 to ensure the EH FRA captures EH responsibilities and authorities accurately and sufficiently. <p><u>EH-2</u></p> <ul style="list-style-type: none"> • Update DOE M 411.1-1 as required • Update the EH FRA to reflect EH changes in the FRAM within 90 days after the change is made in the FRAM. • Update the FRA following organizational changes or changes in EH responsibilities that affect the responsibilities and authorities listed in the FRA. 	<p align="center">V</p>

Table 2 - Rules for which EH is the OPI

RULE	ASSIGNED OFFICE
10 CFR Part 820 , <i>Procedural Rules for DOE Nuclear Activities</i>	EH-6
10 CFR Part 830, <i>Nuclear Safety Management</i>	EH-2 & 3
10 CFR Part 830, <i>Nuclear Safety Management, Subpart A, Quality Assurance</i>	EH-3
10 CFR Part 830 , <i>Nuclear Safety Management, Subpart B, Safety Basis</i>	EH-2
10 CFR Part 834 , <i>Radiation Protection of the Public and the Environment</i> (proposed)	EH-4
10 CFR Part 835 , <i>Occupational Radiation Protection</i>	EH-5
10 CFR Part 850 , <i>Chronic Beryllium Disease Prevention Program</i>	EH-5
10 CFR Part 851, <i>Worker Safety Program</i> (proposed)	EH-5
10 CFR Part 852 , <i>Guidelines for Physician Panel Determinations on Worker Requests for Assistance in Filing for State Workers' Compensation Benefits</i>	EH-8
10 CFR Part 1022, <i>Compliance with Floodplain/Wetlands Environmental Review Requirements</i>	EH-4

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Table 3 - Directives for Which EH is the OPI

DIRECTIVE	TITLE	ASSIGNED DAS
<i>Policies</i>		
DOE P 141.1	DEPARTMENT OF ENERGY MANAGEMENT OF CULTURAL RESOURCES	EH-4
DOE P 411.1	DOE SAFETY MANAGEMENT FUNCTIONS, RESPONSIBILITIES, AND AUTHORITIES POLICY	EH-2
DOE P 441.1	DOE RADIOLOGICAL HEALTH AND SAFETY POLICY	EH-5
DOE P 450.1	ENVIRONMENT, SAFETY AND HEALTH POLICY FOR THE DEPARTMENT OF ENERGY COMPLEX	EH-4
DOE P 450.3	AUTHORIZING USE OF THE NECESSARY AND SUFFICIENT PROCESS FOR STANDARDS-BASED ENVIRONMENT, SAFETY AND HEALTH MANAGEMENT	EH-2
DOE P 450.4	SAFETY MANAGEMENT SYSTEM POLICY	EH-3
DOE P 450.6	ENVIRONMENT, SAFETY AND HEALTH	EH-2
DOE P 454.1	USE OF INSTITUTIONAL CONTROLS	EH-4
<i>Orders</i>		
DOE O 225.1A	ACCIDENT INVESTIGATIONS	EH-2
DOE O 232.1A	OCCURRENCE REPORTING AND PROCESSING OF OPERATIONS INFORMATION	EH-3
DOE O 252.1	TECHNICAL STANDARDS PROGRAM	EH-2
DOE O 414.1A, Chg 1	QUALITY ASSURANCE	EH-3
DOE O 420.1A	FACILITY SAFETY	EH-2
DOE O 425.1B	STARTUP AND RESTART OF NUCLEAR FACILITIES	EH-2
DOE O 433.1	MAINTENANCE MANAGEMENT PROGRAM FOR DOE NUCLEAR FACILITIES	EH-2
DOE O 440.1A	WORKER PROTECTION MANAGEMENT FOR DOE FEDERAL AND CONTRACTOR EMPLOYEES	EH-5
DOE O 451.1B, Chg 1	NATIONAL ENVIRONMENTAL POLICY ACT COMPLIANCE PROGRAM	EH-4
DOE O 450.1	ENVIRONMENTAL PROTECTION PROGRAM	EH-4
DOE O 5480.4, Chg 4	ENVIRONMENTAL PROTECTION, SAFETY, AND HEALTH PROTECTION STANDARDS	EH-5
DOE O 5400.5, Chg 2	RADIATION PROTECTION OF THE PUBLIC AND THE ENVIRONMENT	EH-4
DOE O 5480.19, Chg 2	CONDUCT OF OPERATIONS REQUIREMENTS FOR DOE FACILITIES	EH-2
DOE O 5480.20A, Chg 1	PERSONNEL SELECTION, QUALIFICATION, AND TRAINING REQUIREMENTS FOR DOE NUCLEAR FACILITIES	EH-2
DOE O 5480.30, Chg 1	NUCLEAR REACTOR SAFETY DESIGN CRITERIA	EH-2
<i>Manuals</i>		
DOE M 231.1-1A	ENVIRONMENT, SAFETY, AND HEALTH REPORTING MANUAL	EH-3
DOE M 232.2-1A	OCCURRENCE REPORTING AND PROCESSING OF OPERATIONS INFORMATION	EH-3

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DIRECTIVE	TITLE	ASSIGNED DAS
DOE M 411.1-1B	SAFETY MANAGEMENT FUNCTIONS, RESPONSIBILITIES AND AUTHORITIES MANUAL	EH-2
DOE M 440.1-1	DOE EXPLOSIVES SAFETY MANUAL	EH-2
DOE M 450.3-1	THE DEPARTMENT OF ENERGY CLOSURE PROCESS FOR NECESSARY AND SUFFICIENT SETS OF STANDARDS	EH-2
<i>Notices</i>		
DOE N 231.1	ENVIRONMENT, SAFETY, AND HEALTH REPORTING NOTICE	EH-3
DOE N 350.6	ACCEPTANCE OF VALID WORKERS' COMPENSATION CLAIMS	EH-8
DOE N 450.7	THE SAFE HANDLING, TRANSFER, AND RECEIPT BIOLOGICAL ETIOLOGIC AGENTS AT DEPARTMENT OF ENERGY FACILITIES	EH-5
DOE N 450.8	EXTENSION OF DOE N 450.7, THE SAFE HANDLING, TRANSFER, AND RECEIPT OF BIOLOGICAL ETIOLOGIC AGENTS AT DEPARTMENT OF ENERGY FACILITIES	EH-5
<i>Guides</i>		
DOE G 225.1A-1	IMPLEMENTATION GUIDE FOR USE WITH DOE O 225.1A, ACCIDENT INVESTIGATIONS	EH-2
DOE G 252.1-1	TECHNICAL STANDARDS PROGRAM GUIDE	EH-2
DOE G 414.1-1A	MANAGEMENT ASSESSMENT AND INDEPENDENT ASSESSMENT GUIDE FOR USE WITH 10 CFR PART 830 SUBPART A, AND DOE O 414.1A, QUALITY ASSURANCE; DOE P 450.4 SAFETY MANAGEMENT SYSTEM POLICY; AND DOE P 450.5 LINE ESH&Q OVERSIGHT POLICY	EH-3
DOE G 414.1-2	QUALITY ASSURANCE MANAGEMENT SYSTEM FOR USE WITH 10 CFR 830.120 AND DOE O 414.1	EH-3
DOE G 420.1-1	NONREACTOR NUCLEAR SAFETY DESIGN CRITERIA AND EXPLOSIVES SAFETY CRITERIA GUIDE FOR USE WITH DOE O 420.1, FACILITY SAFETY	EH-2
DOE G 420.1-2	GUIDE FOR THE MITIGATION OF NATURAL PHENOMENA HAZARDS FOR NUCLEAR FACILITIES AND NONNUCLEAR FACILITIES	EH-2
DOE G 421.1-1	DOE GOOD PRACTICES GUIDE CRITICALITY SAFETY GOOD PRACTICES PROGRAM GUIDE FOR DOE NONREACTOR NUCLEAR FACILITIES	EH-2
DOE G 421.1-2	IMPLEMENTATION GUIDE FOR USE IN DEVELOPING DOCUMENTED SAFETY ANALYSES TO MEET SUBPART B OF 10 CFR 830	EH-2
DOE G 423.1-1	IMPLEMENTATION GUIDE FOR USE IN DEVELOPING TECHNICAL SAFETY REQUIREMENTS	EH-2
DOE G 424.1-1	IMPLEMENTATION GUIDE FOR USE IN ADDRESSING UNREVIEWED SAFETY QUESTION REQUIREMENTS	EH-2
DOE G 433.1-1	NUCLEAR FACILITY MAINTENANCE MANAGEMENT PROGRAM GUIDE FOR USE WITH DOE O 433.1	EH-2
DOE G 440.1-1	WORKER PROTECTION MANAGEMENT FOR DOE FEDERAL AND CONTRACTOR EMPLOYEES GUIDE FOR USE WITH DOE O 440.1	EH-5
DOE G 440.1-2	CONSTRUCTION SAFETY MANAGEMENT	EH-2
DOE G 440.1-3	OCCUPATIONAL EXPOSURE ASSESSMENT	EH-5
DOE G 440.1-4	CONTRACTOR OCCUPATIONAL MEDICAL PROGRAM GUIDE FOR USE WITH DOE O 440.1	EH-5
DOE G 440.1-5	IMPLEMENTATION GUIDE FOR FIRE SAFETY PROGRAM	EH-2
DOE G 440.1-6 [new number - DOE G 414.1-3]	IMPLEMENTATION GUIDE FOR USE WITH SUSPECT/COUNTERFEIT ITEMS REQUIREMENTS OF DOE O 440.1, WORKER PROTECTION MANAGEMENT; 10 CFR 830.120;	EH-3

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DIRECTIVE	TITLE	ASSIGNED DAS
	AND DOE 5700.6C, QUALITY ASSURANCE	
DOE G 440.1-7A	IMPLEMENTATION GUIDE FOR USE WITH 10 CFR PART 850, CHRONIC BERYLLIUM DISEASE PREVENTION PROGRAM	EH-5
DOE G 441.1-1	MANAGEMENT AND ADMINISTRATION OF RADIATION PROTECTION PROGRAMS GUIDE FOR USE WITH TITLE 10 CFR, PART 835, OCCUPATIONAL RADIATION PROTECTION	EH-5
DOE G 441.1-2	OCCUPATIONAL ALARA PROGRAM GUIDE RADIATION PROTECTION PROGRAMS GUIDE FOR USE WITH TITLE 10 CFR, PART 835, OCCUPATIONAL RADIATION PROTECTION	EH-5
DOE G 441.1-3	INTERNAL DOSIMETRY PROGRAM GUIDE FOR USE WITH TITLE 10 CFR, PART 835, OCCUPATIONAL RADIATION PROTECTION	EH-5
DOE G 441.1-4	EXTERNAL DOSIMETRY PROGRAM GUIDE FOR USE WITH TITLE 10 CFR, PART 835, OCCUPATIONAL RADIATION PROTECTION	EH-5
DOE G 441.1-5	RADIATION-GENERATING DEVICES GUIDE FOR USE WITH TITLE 10 CFR, PART 835, OCCUPATIONAL RADIATION PROTECTION	EH-5
DOE G 441.1-6	EVALUATION AND CONTROL OF RADIATION DOSE TO THE EMBRYO/ FETUS GUIDE FOR USE WITH TITLE 10 CFR, PART 835, OCCUPATIONAL RADIATION PROTECTION	EH-5
DOE G 441.1-7	PORTABLE MONITORING INSTRUMENT CALIBRATION GUIDE FOR USE WITH TITLE 10 CFR, PART 835, OCCUPATIONAL RADIATION PROTECTION	EH-5
DOE G 441.1-8	AIR MONITORING GUIDE FOR USE WITH TITLE 10 CFR, PART 835, OCCUPATIONAL RADIATION PROTECTION	EH-5
DOE G 441.1-9	RADIOACTIVE CONTAMINATION CONTROL GUIDE FOR USE WITH TITLE 10 CFR, PART 835, GUIDE FOR USE WITH TITLE 10 CFR, PART 835, OCCUPATIONAL RADIATION PROTECTION	EH-5
DOE G 441.1-10	POSTING AND LABELING FOR RADIOLOGICAL CONTROL GUIDE FOR USE WITH TITLE 10 CFR, PART 835, OCCUPATIONAL RADIATION PROTECTION	EH-5
DOE G 441.1-11	OCCUPATIONAL RADIATION PROTECTION RECORD-KEEPING AND REPORTING GUIDE FOR USE WITH TITLE 10 CFR, PART 835, OCCUPATIONAL RADIATION PROTECTION	EH-5
DOE G 441.1-12	OCCUPATIONAL RADIATION PROTECTION	EH-5
DOE G 441.1-13	SEALED RADIOACTIVE SOURCE ACCOUNTABILITY AND CONTROL GUIDE FOR USE WITH TITLE 10 CFR, PART 835, OCCUPATIONAL RADIATION PROTECTION	EH-5
DOE G 450.1-1	IMPLEMENTATION GUIDE FOR USE WITH DOE ORDER 450.1, ENVIRONMENTAL PROTECTION PROGRAM	EH-4
DOE G 450.1-2	IMPLEMENTATION GUIDE FOR USE INTEGRATING ENVIRONMENTAL MANAGEMENT SYSTEMS INTO INTEGRATED SAFETY MANAGEMENT SYSTEMS	EH-4
DOE G 450.1-3	ENVIRONMENTAL GUIDELINES FOR DEVELOPMENT OF CULTURAL RESOURCE MANAGEMENT PLANS -UPDATE: FOR IMPLEMENTATION OF DOE ORDER 450.1, ENVIRONMENTAL PROTECTION PROGRAM	EH-4
DOE G 450.1-4	IMPLEMENTATION GUIDE FOR WILDLAND FIRE MANAGEMENT PROGRAM FOR USE WITH DOE ORDER 450.1, ENVIRONMENTAL PROTECTION PROGRAM	EH-4
DOE G 450.1-6	GROUND WATER SURVEILLANCE MONITORING IMPLEMENTATION GUIDE FOR USE WITH DOE O 450.1, ENVIRONMENTAL PROTECTION PROGRAM	EH-4
DOE G 450.3-1	DOCUMENTATION FOR WORK SMART STANDARDS APPLICATIONS; CHARACTERISTICS AND CONSIDERATIONS	EH-2
DOE G 450.3-2	ATTRIBUTES OF EFFECTIVE IMPLEMENTATION	
DOE G 450.3-3	TAILORING FOR INTEGRATED SAFETY MANAGEMENT APPLICATIONS	

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DIRECTIVE	TITLE	ASSIGNED DAS
DOE G 450.4-1B	INTEGRATED SAFETY MANAGEMENT SYSTEM GUIDE FOR USE WITH DOE P 450.4, DOE P 450.5, AND DOE P 450.6) THE FUNCTIONS, RESPONSIBILITIES, AND AUTHORITIES MANUAL, AND THE DOE ACQUISITIONS REGULATIONS	EH-2 & 3
SEN-22-90	DOE POLICY ON SIGNATURES OF RCRA PERMIT APPLICATIONS	
SEN-35-91	NUCLEAR SAFETY POLICY	EH-2

Table 4. DOE Directives in order of appearance on FRA Chart.

DOE O 450.1 (Order, 01/15/2003, EH) - **Environment, Safety, and Health Policy for the Department of Energy Complex**
<http://www.directives.doe.gov/pdfs/doe/doetext/neword/450/p4501.html>

DOE M 411.1-1C (Manual, 12/31/2003, EH) - **Safety Management Functions, Responsibilities, and Authorities Manual**
<http://www.directives.doe.gov/cgi-bin/explhcg?qry1551314198;doe-118>

DOE O 451.1B Chg 1 (Order, 09/28/2001, EH) - **National Environmental Policy Act Compliance Program - Change 1**
Cancels: **DOE O 451.1A**.
<http://www.directives.doe.gov/pdfs/doe/doetext/neword/451/o4511bc1.html>

DOE O 231.1A (Order, 08/19/2003, EH) - **Environment, Safety, and Health Reporting**
Cancels: **DOE O 210.1**, **DOE O 231.1**, and **DOE O 232.1A**.
<http://www.directives.doe.gov/pdfs/doe/doetext/neword/231/o2311a.html>

DOE M 231.1-1A (Manual, 03/19/2004, EH) - **Environment, Safety, and Health Reporting Manual**
Cancels: **DOE M 231.1-1**, **DOE N 231.1**
<http://www.directives.doe.gov/pdfs/doe/doetext/neword/231/m2311-1a.html>

DOE M 231.1-2 (Manual, 08/19/2003, EH) - **Occurrence Reporting and Processing of Operations Information**
Cancels: **DOE M 232.1-1A**
<http://www.directives.doe.gov/pdfs/doe/doetext/neword/231/m2311-2.html>

DOE O 251.1A (Order, 01/30/1998, ME) - **Directives System**
Cancels: **DOE O 251.1**, **DOE M 251.1-1**
<http://www.directives.doe.gov/pdfs/doe/doetext/neword/251/o2511a.html>

DOE M 251.1-1A (Manual, 01/30/1998, ME) - **Directives System Manual**
<http://www.directives.doe.gov/pdfs/doe/doetext/neword/251/m2511-1a.html>

DOE P 410.1A (Policy, 05/15/1996, EH/GC) - **Promulgating Nuclear Safety Requirements**
Cancels: **DOE P 410.1**
<http://www.directives.doe.gov/pdfs/doe/doetext/neword/410/p4101a.html>

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DOE P 411.1 (Policy, 01/28/1997, EH) - **Safety Management Functions, Responsibilities, and Authorities Policy**
<http://www.directives.doe.gov/pdfs/doe/doetext/neword/411/p4111.html>

DOE O 440.1A (Order, 03/27/1998, EH) - **Worker Protection Management for DOE Federal and Contractor Employees**
Cancels: **DOE O 440.1**
<http://www.directives.doe.gov/pdfs/doe/doetext/neword/440/o4401a.html>

DOE O 420.1A (Order, 05/20/2002, EH) - **FACILITY SAFETY**
Cancels: **DOE O 420.1**
<http://www.directives.doe.gov/pdfs/doe/doetext/neword/420/o4201a.html>

DOE O 420.2A (Order, 01/08/2001, SC) - **Safety of Accelerator Facilities**
Cancels: **DOE O 420.2**
<http://www.directives.doe.gov/pdfs/doe/doetext/neword/420/o4202a.html>

DOE P 411.1 (Policy, 01/28/1997, EH) - **Safety Management Functions, Responsibilities, and Authorities Policy**
<http://www.directives.doe.gov/pdfs/doe/doetext/neword/411/p4111.html>

DOE O 5400.5 Chg 2 (Old Order, 01/07/1993, EH) - **Radiation Protection of the Public and the Environment**
Paragraph 1a(3)(a) of Chapter II is cancelled by DOE O 231.1
<http://www.directives.doe.gov/pdfs/doe/doetext/oldord/5400/o54005c2.html>

DOE O 420.2A (Order, 01/08/2001, SC) - **Safety of Accelerator Facilities**
Cancels: **DOE O 420.2**
<http://www.directives.doe.gov/pdfs/doe/doetext/neword/420/o4202a.html>

DOE O 414.1A Chg 1 (Order, 07/12/2001, EH) - **Quality Assurance**
Cancels: **DOE O 414.1**
<http://www.directives.doe.gov/pdfs/doe/doetext/neword/414/o4141ac1.html>

DOE O 470.2B (Order, 10/31/2002, OA) - **INDEPENDENT OVERSIGHT AND PERFORMANCE ASSURANCE PROGRAM**
Cancels: **DOE O 470.2A, DOE O 414.1A**
<http://www.directives.doe.gov/pdfs/doe/doetext/neword/470/o4702b.html>

DOE O 225.1A (Order, 11/26/1997, EH) - **Accident Investigations**
Cancels: **DOE O 225.1** in part; **DOE 5484.1** in part.

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<http://www.directives.doe.gov/pdfs/doe/doetext/neword/225/o2251a.html>

DOE N 231.2 (Notice, 12/30/2002, EH) - **EXTENSION OF DOE N 231.1, ENVIRONMENT, SAFETY AND HEALTH REPORTING NOTICE**

This Notice extends DOE N 231.1 until 1-15-2004.

<http://www.directives.doe.gov/pdfs/doe/doetext/neword/231/n2312.html>

DOE O 231.1A (Order, 08/19/2003, EH) - **Environment, Safety, and Health Reporting**

Cancels: **DOE O 210.1, DOE O 231.1, and DOE O 232.1A.**

<http://www.directives.doe.gov/pdfs/doe/doetext/neword/231/o2311a.html>

DOE M 231.1-1A (Manual, 03/19/2004, EH) - **Environment, Safety, and Health Reporting Manual**

Cancels: **DOE M 231.1-1, DOE N 231.1**

<http://www.directives.doe.gov/pdfs/doe/doetext/neword/231/m2311-1a.html>

DOE M 231.1-2 (Manual, 08/19/2003, EH) - **Occurrence Reporting and Processing of Operations Information**

Cancels: **DOE M 232.1-1A**

<http://www.directives.doe.gov/pdfs/doe/doetext/neword/231/m2311-2.html>

DOE O 252.1 (Order, 11/19/1999, EH) - **Technical Standards Program**

Cancels: **DOE O 1300.2A**

<http://www.directives.doe.gov/pdfs/doe/doetext/neword/252/o2521.html>

DOE P 251.1 (Policy, 03/19/1996, ME) - **Directives System Policy**

<http://www.directives.doe.gov/pdfs/doe/doetext/neword/251/p2511.html>

DOE M 251.1-1A (Manual, 01/30/1998, ME) - **Directives System Manual**

<http://www.directives.doe.gov/pdfs/doe/doetext/neword/251/m2511-1a.html>

DOE N 411.1 (Notice, 08/27/2003, EH) - **Safety Software Quality Assurance Functions, Responsibilities, and Authorities for Nuclear Facilities and Activities**

<http://www.directives.doe.gov/pdfs/doe/doetext/neword/411/n4111.html>

DOE O 440.1A (Order, 03/27/1998, EH) - **Worker Protection Management for DOE Federal and Contractor Employees**

Cancels: **DOE O 440.1**

<http://www.directives.doe.gov/pdfs/doe/doetext/neword/440/o4401a.html>

DOE M 140.1-1B (Manual, 03/30/2001, S) - **Interface With The Defense Nuclear Facilities Safety Board**

Cancels: **DOE M 140.1-1A**

<http://www.directives.doe.gov/pdfs/doe/doetext/neword/140/m1401-1b.html>

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DOE N 231.2 (Notice, 12/30/2002, EH) - **EXTENSION OF DOE N 231.1, ENVIRONMENT, SAFETY AND HEALTH REPORTING NOTICE**

This Notice extends DOE N 231.1 until 1-15-2004.

<http://www.directives.doe.gov/pdfs/doe/doetext/neword/231/n2312.html>

DOE O 425.1C (Order, 03/13/2003, EH) - **Startup and Restart of Nuclear Facilities**

Cancels: **DOE O 425.1B**

<http://www.directives.doe.gov/pdfs/doe/doetext/neword/425/o4251c.html>

DOE O 460.1B (Order, 04/04/2003, EM) - **Packaging and Transportation Safety**

Cancels: **DOE O 460.1A**

<http://www.directives.doe.gov/pdfs/doe/doetext/neword/460/o4601b.html>

DOE O 5480.19 Chg 2 (OldOrd, 10/23/2001, EH) - **Conduct of Operations Requirements for DOE Facilities**

<http://www.directives.doe.gov/pdfs/doe/doetext/oldord/5480/o548019c2.html>

DOE M 411.1-1C (Manual, 12/31/2003, EH) - **Safety Management Functions, Responsibilities, and Authorities Manual**

Cancels: **DOE M 411.1-1B**

<http://www.directives.doe.gov/pdfs/doe/doetext/neword/411/m4111-1c.html>

DOE O 360.1B (Order, 10/11/2001, ME) **Federal Employee Training**

Cancels: **DOE O 360.1A**

<http://www.directives.doe.gov/pdfs/doe/doetext/neword/360/o3601b.html>

DOE M 360.1-1B (Manual, 10/11/2001, ME) - **Federal Employee Training Manual**

Cancels: **DOE M 360.1A-1**

<http://www.directives.doe.gov/pdfs/doe/doetext/neword/360/m3601-1b.html>

DOE M 426.1-1 (Manual, 06/05/2000, ME) - **Federal Technical Capability Manual**

<http://www.directives.doe.gov/pdfs/doe/doetext/neword/426/m4261-1.html>

DOE G 450.1-1 (Guide, 02/18/2004, EH) **Implementation Guide for Use with DOE O 450.1, Environmental Protection Program** <http://www.directives.doe.gov/pdfs/doe/doetext/neword/450/g4501-1.html>

DOE G 450.1-2 (Guide, draft 02/12/04, EH) **Implementation Guide for Integrating Environmental Management Systems into Integrated Safety Management System**

DOE G 450.1-3 (Guide, draft 03/05/04, EH) **Environmental Guidelines for Developing of Cultural Resource Management Plans Update: For Implementation of DOE Order 450.1, Environmental Protection Program.**

DOE G 450.1-4 (Guide, 02/11/2004, EH) **Implementation Guide, Wildland Fire Management Program for Use with DOE O 450.1, Environmental Protection Program**

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<http://www.directives.doe.gov/pdfs/doe/doetext/neword/450/g4501-4.html>

DOE G 450.1-6 (Guide, draft, 03/24/2004, EH) **Ground Water Surveillance Monitoring Implementation Guide for Use with DOE O 450.1, *Environmental Protection Program***

<http://www.directives.doe.gov/pdfs/doe/doetext/draftord/450/g4501-6.html>

E.O.

Executive Order 13148

Greening the Government Through Leadership in Environmental Management

- Signed: April 21, 2000
- Federal Register page and date: 65 FR 24595, April 26, 2000
- Revokes: **EO 12088**, October 13, 1978 (in part); **EO 12843**, April 21, 1993; **EO 12856**, August 3, 1993; **EO 12969**, August 8, 1995; Memorandum of April 26, 1994
- See: **EO 13101**, September 14, 1998; **EO 13123**, June 3, 1999; **EO 13134**, August 12, 1999

Executive Order 13101

Greening the Government Through Waste Prevention, Recycling, and Federal Acquisition

- Signed: September 14, 1998
- Federal Register page and date: 63 FR 49643, September 16, 1998
- Revokes: **EO 12873**, October 20, 1993
- See: **EO 12843**, April 21, 1993; **EO 12845**, April 21, 1993; **EO 12856**, August 3, 1993; **EO 12902**, March 8, 1994; **EO 12969**, August 8, 1995; **EO 13031**, December 13, 1996; **EO 13148**, April 21, 2000; **EO 13149**, April 21, 2000; Proc. 7250, November 15, 1999

Executive Order 12941

Seismic safety of existing Federally owned or leased building

- Signed: December 1, 1994
- Federal Register page and date: 59 FR 62545; December 5, 1994

CFR

10 CFR 1021 - **National Environmental Policy Act implementing procedures**

10 CFR 830 - **Nuclear safety management**

10 CFR 1910.120 - Hazardous waste operations and emergency response.

10 CFR 1910.1450 - Occupational exposure to hazardous chemicals in laboratories.

10 CFR **835** - **Occupational radiation protection**

10 CFR **820** - **Procedural rules for DOE nuclear activities**

PUBLIC LAWS

P.L. 104-303, the Water Resources Development Act of 1996

303. S.640 : A bill to provide for the conservation and development of water and related resources, to authorize the Secretary of the Army to construct various projects for improvements to rivers and harbors of the United States, and for other purposes.

Sponsor: Sen Warner, John W. [VA] (introduced 3/28/1995) **Cosponsors:** 5

Committees: Senate Environment and Public Works

Latest Major Action: 10/12/1996 Became Public Law No: 104-303.

P.L. 104-113. H.R.2196 : To amend the Stevenson-Wydler Technology Innovation Act of 1980 with respect to inventions made under cooperative research and development agreements, and for other purposes.

Sponsor: Rep Morella, Constance A. [MD-8] (introduced 8/4/1995) **Cosponsors:** 3

Committees: House Science; Senate Commerce, Science, and Transportation

Latest Major Action: 3/7/1996 Became Public Law No: 104-113.

OMB

OMB Circular A-119, Transmittal Memorandum, Federal Participation in the Development and Use of Voluntary Standards (02/10/1998)