

*Part III, Section J, Appendix G – List of Applicable Directives*

In addition to the list of applicable directives listed below, the Contractor shall also comply with supplementary directives (e.g., manuals), which are invoked by a Contractor Requirements Document (CRD) attached to a directive. Electronic copies of these documents are available at the following Websites:

<https://www.directives.doe.gov/directives>

<https://nnsa.energy.gov/aboutus/ouoperations/managementandbudget/supplementaldirectives>

<https://nnsa.energy.gov/aboutus/ouoperations/managementandbudget/policysystem/nnsapolicies>

<https://energy.gov/ehss/services/nuclear-safety/department-energy-technical-standards-program/doe-approved-technical>

NOTE: Not Applicable (N/A); Some directives were ineligible for implementation plans as they were added to DE-AC52-07NA27344 at its inception on 10/01/07. Effective Date column denotes LLNS directive acceptance date or date directive was added unilaterally.

<b>DIRECTIVE NUMBER</b>	<b>DATE</b>	<b>DOE DIRECTIVE TITLE</b>	<b>IMPLEMENTATION PLAN Y/N</b>	<b>MOD #</b>	<b>EFFECTIVE DATE</b>
DOE O 130.1	09/29/95	Budget Formulation	N/A	M003	10/01/07
DOE O 140.1A	06/15/20	Interface with the Defense Nuclear Facilities Safety Board	N/A	785	09/13/21
DOE M 142.2-1, Admin Chg 1	09/04/08	Manual for Implementation of the Voluntary Offer Safeguards Agreement and Additional Protocol with the International Atomic Energy Agency	N	404	07/23/13
DOE O 142.2A, Admin Chg 1	12/15/06	Voluntary Offer Safeguards Agreement and Additional Protocol with the IAEA	N/A	404	07/23/13
DOE O 142.3B Chg 1 (LtdChg)	03/02/22	Unclassified Foreign National Access Program	N	801	04/14/22
DOE O 150.1B	12/21/2021	Continuity Programs	Y	801	04/14/22
DOE O 151.1D Chg 1 (MinChg)	10/4/19	Comprehensive Emergency Management System	N	720	11/18/19
DOE O 153.1	06/27/07	Departmental Radiological Emergency Response Assets	N/A	M003	10/01/07
DOE O 200.1A Chg 1 (MinChg)	01/13/17	Information Technology Management	N	645	04/19/17
NNSA SD 205.1	07/06/17	Baseline Cybersecurity Program	N	785	09/13/21
DOE O 205.1C Chg 1 (LtdChg)	02/03/2022	Department of Energy Cyber Security Program	N/A	801	04/14/22
DOE O 206.1Chg 1 (MinChg)	11/01/2018	Department of Energy Privacy Program	N/A	697	02/20/19

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DOE O 206.2	02/19/13	Identity, Credential, and Access Management (ICAM)	N/A	363	06/04/13
DOE O 210.2A	04/08/11	DOE Corporate Operating Experience Program	N	253	05/31/11
NNSA SD 206.2	04/14/2018	Implementation of Personal Identity Verification for Uncleared Contractors	Y	720	11/18/19
DOE O 221.1B	09/27/16	Reporting Fraud, Waste, and Abuse to the Office of Inspector General	N	645	10/26/16
DOE O 221.2A	02/25/08	Cooperation With The Office of Inspector General	N/A	M069	03/31/08
DOE O 225.1B	03/04/11	Accident Investigations	N	253	03/31/11
DOE O 226.1B	04/25/2011	Implementation of Department of Energy Oversight Policy	Y	785	09/13/21
NNSA SD 226.1C	10/01/19	NNSA Site Governance	Y	726	12/31/2019
DOE O 227.1A Chg 1 (AdminChg)	01/21/2020	Independent Oversight Program	N	801	04/14/22
DOE O 231.1B. Admin Chg 1	06/27/11	Environment, Safety, and Health Reporting	N	353	03/25/13
DOE O 232.2A Chg 1 (MinChg)	10/04/19	Occurrence Reporting and Processing of Operations Information	N	726	12/31/2019
DOE O 241.1B Chg 1 (Admin Chg)	04/26/16	Scientific and Technical Information Management	N	619	05/31/16
DOE O 243.1B, Admin Chg 1	03/11/13	Records Management Program	N	400	08/09/13
DOE O 252.1A, Admin Chg 1	02/23/11	Technical Standards Program	N	353	03/19/13
NNSA SD 251.1B	10/26/20	Directives Management	N	770	02/02/21
DOE O 341.1A	10/18/07	Federal Employee Health Services Paragraph 4b and Attachment 1, Paragraph 2a only	Y	M018	01/07/08
DOE O 350.1 Chg 7 (LtdChg)	02/19/20	Contractor Human Resource Management Programs	N	739	05/06/20
DOE O 350.3 Chg1 (MinChg)	9/10/18	Labor Standards Compliance, Contractor Labor Relations, and Contractor Workforce Restructuring Programs	Y	709	07/16/19
DOE O 410.2, Admin Chg 1	04/10/14	Management of Nuclear Materials	N	513	11/24/14
DOE O 411.2	01/04/17	Scientific Integrity	N	652	08/10/17
DOE P 411.2A	01/04/17	DOE Scientific Integrity Policy	N	652	00/00/17

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DOE O 413.2C Chg 1 (MinChg)	08/02/18	Laboratory Directed Research & Development	N/A	785	09/13/21
DOE O 413.3B Chg 6 (LtdChg)	01/12/21	Program and Project Management for the Acquisition of Capital Assets	N	785	09/13/21
DOE O 414.1D, Admin Chg 2 (LtdChg),	09/15/20	Quality Assurance	N	755	10/15/20
DOE O 415.1. Chg 2 (MinChg)	01/13/17	Information Technology Project Management	N	645	04/19/17
DOE O 420.1C, Chg 3 (LtdChg)	11/14/19	Facility Safety	N/A	726	12/31/2019
DOE O 420.2C	07/21/11	Safety of Accelerator Facilities	N	253	08/16/11
DOE O 422.1, Admin Chg 4 (LtdChg)	02/03/2022	Conduct of Operations	N	801	04/14/22
DOE O 425.1D, Admin Chg 2 (MinChg)	10/04/19	Verification of Readiness to Startup or Restart Nuclear Facilities	N	726	12/31/2019
DOE O 426.2, Admin Chg 1	04/21/10	Personnel Selection, Training, Qualification, and Certification Requirements for DOE Nuclear Facilities	N	404	08/27/13
DOE O 430.1C Chg 2 (AdminChg)	09/17/2020	Real Property Asset Management	Y	801	04/14/22
NNSA SD 430.1	01/18/2017	Real Property Asset Management	Y	684	08/10/17
DOE O 433.1B, Admin Chg 1	04/21/10	Maintenance Management Program for DOE Nuclear Facilities	N	404	05/16/13
DOE N 435.1	08/09/11	Contact-Handled and Remote –Handled Transuranic Waste Packaging	N	253	10/06/11
DOE O 435.1, Chg 2 (AdminChg)	01/11/21	Radioactive Waste Management	N/A	770	02/01/21
DOE M 435.1-1, Chg 3 (LtdChg)	01/11/21	Radioactive Waste Management Manual	N	770	02/01/21
DOE O 436.1	05/02/11	Departmental Sustainability, <i>Only the following CRD Sections: 1<sup>st</sup> paragraph; paragraph 1. and 2.a in its entirety; and paragraph 2.b as follows: Environmental Management Systems (EMS). Site sustainability goals must be integrated into the EMS's.</i>	N Contractor is ISO 14001 Certified	291	01/26/2012
DOE O 437.1	12/11/20	Bridge and Tunnel Management	N	770	02/01/21
DOE O 440.2C, Chg 2 (LtdChg)	09/15/20	Aviation Management and Safety	N	755	10/15/20

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DOE M 441.1-1	03/07/08	Nuclear Material Packaging Manual	Y	M037	04/22/08
DOE O 442.1B	01/31/2019	Department Of Energy Employee Concerns Program	Y	701	04/15/19
DOE O 442.2 Chg 1 (PgChg)	10/04/16	Differing Professional Opinions for Technical Issues Involving ES&H Technical Concerns	N	645	02/09/17
DOE O 443.1B Chg1 (PgChg)	04/21/16	Protection of Human Research Subjects	N	253, 619	05/13/16
DOE N 443.1C	11/26/2019	Protection of Human Research Subjects	N	729	02/13/2020
DOE O 452.1E	01/26/15	Nuclear Explosive and Weapon Surety Program	N	533	04/09/15
DOE O 452.2F	07/27/20	Nuclear Explosive Safety	N	755	10/15/20
NNSA SD 452.2B	06/23/2021	Nuclear Explosives Safety Evaluation Processes	N	793	1/19/22
DOE O 452.3	06/08/05	Management of the Department of Energy Nuclear Weapons Complex	N/A	M003	10/01/07
NNSA SD 452.3-1A	2/25/16	Defense Programs Business Process System	N	619	3/30/16
NNSA SD 452.3-2	01/19/17	Phase 6.X Process	N	652	08/10/17
DOE O 452.4C	08/28/15	Security and Use Control of Nuclear Explosives and Nuclear Weapons	N	574	09/16/15
NNSA SD 452.4 Admin Chg 1	07/01/2020	Implementation and Evaluation of Controls to Prevent Deliberate Unauthorized Use	N	755	10/15/20
DOE O 452.6A Chg 1 (AdminChg)	02/17/21	Nuclear Weapon Surety Interface with the Department of Defense	N	785	09/13/21
DOE O 452.7 Chg 1 (AdminChg)	05/29/20	Protection of Use Control Vulnerabilities and Designs	N	745	07/07/20
DOE O 452.8	07/21/11	Control of Nuclear Weapon Data	N	253	08/30/11
DOE O 456.1A	07/15/16	The Safe Handling of Unbound Engineered Nanoparticles	NA	619	08/09/16
DOE O 457.1A	08/26/13	Nuclear Counterterrorism	N/A	404	10/09/13
DOE O 458.1, Admin Chg 4 (LtdChg)	09/15/20	Radiation Protection of the Public and the Environment	N	755	10/15/20
DOE O 460.1D	12/20/16	Hazardous Materials Packaging and Transportation Safety	N	652	08/10/17
DOE O 460.2A	06/04/08	Departmental Materials Transportation & Packaging Management	N/A	M003	10/01/07

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DOE M 460.2-1A	09/23/02	Radioactive Material Transportation Practices	N	M037	08/12/08
DOE O 461.1C Chg 1 (MinChg)	10/04/19	Packaging and Transportation for Offsite Shipment of Materials of National Security Interest	N	726	12/31/2019
DOE O 461.2	11/01/10	Onsite Packaging and Transfer of Materials of National Security Interest	N	210	03/21/11
DOE O 462.1, Admin Chg 1	07/10/13	Import and Export of Category 1 and 2 Radioactive Sources Aggregated Quantities	N	513	11/24/14
DOE O 470.3C Chg 1 (LtdChg)	09/09/20	Design Basis Threat (DBT) Order Change 1	Y	755	10/15/20
DOE O 470.4B Chg 3 (LtdChg)	9/23/2021	Safeguards and Security Program	N	793	1/19/22
NNSA SD 470.4-2 Admin Chg 1	06/16/21	Enterprise Safeguards and Security Planning and Analysis Program	Y	785	09/13/21
DOE O 470.5	6/2/14	Insider Threat Program	Y	580	11/5/15
DOE O 470.6 Chg 1 (MinChg)	01/11/17	Technical Security Program	Y	674	4/09/17
NNSA ACD 470-6	07/15/19	Use Of Mobile Devices Within National Nuclear Security Administration Secure Spaces	Y	720	11/18/19
DOE O 471.1B	03/01/10	Identification and Protection of Unclassified Controlled Nuclear Information	N	151	06/10/10
DOE O 471.3, Admin Chg 1	01/13/11	Identifying and Protecting Official Use Only Information	N	210	03/01/11
DOE M 471.3, Admin Chg 1	04/09/03	Manual for Identifying and Protecting Official Use Only Information	N/A	404	03/01/11
DOE O 471.5	03/29/11	Special Access Programs	N	253	05/05/11
DOE O 471.6, Admin Chg 3	09/12/19	Information Security	N	720	11/18/19
NNSA SD 471.6	12/09/19	Operations Security Program	Y	739	05/06/20
DOE O 472.2 Chg 2 (Pg Chg)	07/09/14	Personnel Security	N	801	11/25/14
DOE O 473.3A Chg 1 (MinChg)	01/02/18	Protection Program Operations	N	674	4/09/18
NNSA SD 473.3	09/10/14	Enterprise Mission Essential Task List-based Protective Force Training Program	N	574	09/03/15
DOE O 474.2, Chg 4 (PgChg)	09/27/16	Nuclear Material Control and Accountability	N	645	10/26/16
DOE O 475.1	12/10/04	Counterintelligence Program	N/A	M003	10/01/07

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DOE O 475.2B	10/03/14	Identifying Classified Information	N	513	11/25/14
DOE M 481.1-1A, Chg 1	09/28/01	Reimbursable Work for Non-Federal Sponsors Process Manual	N/A	M003	10/01/07
DOE O 483.1B Chg 2 (LtdChg)	12/13/2019	DOE Cooperative Research & Development Agreements	N/A	729	02/13/2020
DOE O 484.1, Admin Chg 2	6/30/14	Reimbursable Work for Department of Homeland Security	N/A	580	11/24/15
DOE O 486.1A	9/04/2020	Foreign Government Sponsored Or Affiliated Activities	N/A	753	09/28/20
DOE O 520.1B	01/07/2021	Financial Management And Chief Financial Officer Responsibilities	N/A	774	03/22/21
DOE O 522.1A	8/2/2018	Pricing of Departmental Materials and Services	N/A	684	8/21/2018
DOE O 534.1B	01/06/03	Accounting	N/A	M003	10/01/07
DOE O 550.1 Chg 1 (LtdChg)	12/13/2019	Official Travel	N/A	729	02/13/2020
DOE O 5639.8A	07/23/93	Security of Foreign Intelligence Information and Sensitive Compartmented Information Facilities	N/A	M003	10/01/07
DOE-STD-1027-92, Change 1	09/97	Hazard Categorization and Accident Analysis Techniques for Compliance with DOE Order 5480.23 Nuclear Safety Analysis Reports	N/A	M003	10/01/07
DOE-STD-1090-2020	07/01/20	Hoisting and Rigging	N	755	10/15/20
DOE-STD-1095-2018	10/18	Department of Energy Laboratory Accreditation Program for Personnel Dosimetry	N	697	02/20/19
DOE STD-1129-2015	09/15	Tritium Handling and Safe Storage; <i>Section 6.6 Only</i>	Y	619	06/23/16
DOE-STD-1207-2012 (Reaffirmed 2018)	10/18	Protection Program Defensive Planning for Fixed Facilities	Y	709	07/16/19
DOE STD-1212-2019 Change Notice 1	12/21	Explosives Safety	N	801	04/14/22
DOE-STD-1231-2018	12/19/18	Preparation and Conduct of Protective Force Performance Testing (OUO)	N	697	02/20/19
DOE-STD-3006-2010	05/10	Planning and Conducting Readiness Reviews	N/A	619	02/08/16
DOE-STD-3009-1994, Change Notice 3	04/02	Preparation Guide for U.S. DOE Nonreactor Nuclear Facility Safety Analysis Reports	N/A	M003	10/01/07

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DOE-STD-3011- 2016	01/16	Preparation Of Documented Safety Analysis For Interim Operations at DOE Nuclear Facilities	N/A	785	09/13/21
DOE-STD-3013-2018	11/18	Stabilization, Packaging, And Storage Of Plutonium-Bearing Materials	N/A	697	02/20/19

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DOE-STD-3014-2006	05/06	Accident Analysis for Aircraft Crash into Hazardous Facilities	N/A	619	06/23/16
DOE-NA-STD-3016-2018	10/18	Hazard Analysis Reports for Nuclear Explosive Operations	N/A	702	04/15/19
DOE STD-3020-2015	06/15	Specification for HEPA Filters Used by DOE Contractors	N/A	619	06/21/16
DOE STD-3025-2022	02/03/2022	Quality Assurance Inspection and Performance Testing of High Efficiency Particulate Air (HEPA) and Ultra Low Penetrating Air (ULPA) Filters	N/A	XXX	XXX
DOE-STD-5506-2021	08/21	Preparation of Safety Basis Documents for Transuranic (TRU) Waste Facilities	N/A	XXX	XXX
DOE STD-7501-99	12/99	The DOE Lessons Learned Program	N/A	M003	10/01/07
NAP 476.1 Admin Chg 1 formerly NAP-23 Admin Chg 1	12/12/12	Atomic Energy Act Control of Import and Export Activities	N/A	739	05/06/20
NAP 401.1A Admin Chg 1 formerly NAP-24A	06/23/21	Weapon Quality Policy  Note: This document is not accessible to the public.	Y	785	09/13/21
NAP 540.2 formerly NAP-31	11/22/16	NNSA M&O Off-Site Extended Duty Assignments	N/A	739	05/06/20
NAP-412.1	02/11/2019	Financial Integration	N/A	702	04/15/19
NAP-413.1	6/3/19	Data Collection for Cost Estimating	N/A	709	07/16/19
QP 100-1 Amendment 4	03/01/13	Application of Quality Requirements to UK and US Procurement Orders and Loan Authorizations for Research, Design, and Development  Note: This document is only applicable when the contractor is providing R&D, and Emergency Support for Procurement Orders issued under UKMOD.	N/A	463	05/01/14
Development and Production Manual *	02/08/06	Development and Production Manual  Note: This document is not accessible to the public.	N/A	159, 404	10/01/07
Technical Business Practices **	various	Technical Business Practices  Note: This document is not accessible to the public.	N/A	M003	10/01/07



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Infrastructure Business Practices**	various	Infrastructure Business Practices  Note: This document is not accessible to the public.	N/A	M003	10/01/07
Production Realization Standards**	various	Production Realization Standards  Note: This document is not accessible to the public.	N/A	M003	10/01/07

\* 5/27/2010 Goodrum Memo: D&P Manual, Chapters 1.3, 2.7, 10.1, 11.1, and 11.7 are cancelled without replacement. 12/14/12 Finan Memo Chapter 12.3, para 4.0.1. 8/26/13 Dawkins Memo Chapter 2.4, Sections 4.2.3 & 4.2.4 para 1; Chapter 3.2 excluding phase 6.6 after achievement of steady state production; Chapter 3.7, Section 5.1, para 4, bullet 2. 9/11/13 Dawkins Memo Chapter 2.3.

\*\* Based on the D&P Manual chapter cancellations in \*, the relevant chapters in these directives are cancelled.

(A) Implementation of applicable directives.

(1) The Contractor shall submit an implementation plan to the Contracting Officer when required by the directive or other instruction of the Contracting Officer and within 60 days of contract award or acceptance of the directive after contract award.

(2) The Contracting Officer will approve or disapprove the plan and notify the Contractor of the decision. If the Contracting Officer disapproves the plan, he/she shall clearly identify all deficiencies and provide reasonable suggestions for making the plan acceptable. Within 30 days after notification of the disapproval of a plan, the Contractor shall submit to the Contracting Officer the revised plan for approval as described above.

(3) During the process of implementation, the Contractor will notify the Contracting Officer if modifications to the plan are required for any reason. The Contracting Officer will consider all such requests and will not unreasonably withhold his/her approval to modify such plans when circumstances warrant modification.