

*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 O 142.2A, Admin Chg 1	12/3/14	Voluntary Offer Safeguards Agreement and Additional Protocol with the IAEA  Note: DOE contractor employees who are escorting IAEA inspectors must have authorization from the DOE field element head or designee before applying ad hoc managed access as necessary and as consistent with the applicable provisions of the VOA.	N/A	833	05/02/23
DOE O 142.3B Chg 1 (LtdChg)	03/02/22	Unclassified Foreign National Access Program	N	801	04/14/22
DOE O 144.1A	10/7/24	DOE Requirements for Consultation and Engagement with Federally Recognized Indian Tribes and Alaska Native Claims Settlement Act Corporations Pursuant to DOE P 144.1	N/A	885	02/24/25
DOE O 150.1B	12/21/2021	Continuity Programs	Y	801	04/14/22
DOE O 151.1E	10/28/24	Comprehensive Emergency Management System	N	885	02/24/25
DOE O 153.1A	11/17/22	Departmental Nuclear Emergency Support Team Capabilities	N/A	824	01/11/23

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

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	IMPLEMENTATION PLAN Y/N	MOD #	EFFECTIVE DATE
DOE O 200.1A Chg 2 (LtdChg)	08/11/23	Information Technology Management	N	845	10/10/23
NNSA SD 200.1	12/14/2023	Information Resources Management	N/A	868	06/03/2024
NNSA SD 205.1A	09/24/24	Baseline Cybersecurity Program	N	885	02/24/25
DOE O 205.1D	04/30/2024	Department of Energy Cyber Security Program	N/A	868	06/03/2024
DOE O 206.1A	01/19/24	Department of Energy Privacy Program	N/A	868	02/28/2024
DOE O 206.2 Chg 1 (LtdChg)	09/02/2022	Identity, Credential, and Access Management (ICAM)	N/A	817	10/20/2022
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 226.1D	12/05/24	NNSA Site Governance	Y	885	02/24/25
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 241.1C	10/28/24	Scientific and Technical Information Management	N	885	02/24/25
DOE O 243.1C,	02/07/22	Records Management Program	N	824	01/11/23
DOE O 252.1A, Admin Chg 1	02/23/11	Technical Standards Program	N	353	03/19/13
NNSA SD 251.1C	12/16/24	Directives Management	N	885	002/24/25
DOE O 341.1A	10/18/07	Federal Employee Health Services Paragraph 4b and Attachment 1, Paragraph 2a only	Y	M018	01/07/08

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

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	IMPLEMENTATION PLAN Y/N	MOD #	EFFECTIVE DATE
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	08/15/17
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 7 (LtdChg)	06/21/23	Program and Project Management for the Acquisition of Capital Assets	N	845	10/10/23
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  Note: Compliance of DOE O 420.1C will include: (1) existing facility DSAs need not meet the requirements of DOE-STD-3009-2014 or successor documents, (2) major modifications to existing facilities have the ability to request application of DOE-STD-3009-94, Change 3, consistent with the specifications of DOE Order 420.1C, Change 3, or successor document; and (3) DOE-STD-3009-2014 shall only be invoked for construction of new Hazard Category 1, 2, or 3 facilities.	N/A	833	05/02/23
DOE O 420.2D	09/09/22	Safety of Accelerators	N	824	01/11/23
DOE O 422.1, Admin Chg 4 (LtdChg)	02/03/2022	Conduct of Operations	N	801	04/14/22
DOE O 425.1E	9/25/24	Verification of Readiness to Startup or Restart Nuclear Facilities	N	885	02/24/25
DOE O 426.2A, Chg 1 (AdminChg)	05/30/2024	Personnel Selection, Training, Qualification, and Certification Requirements for DOE Nuclear Facilities	N	868	08/27/13
DOE O 430.1C Chg 2 (AdminChg)	09/17/2020	Real Property Asset Management	Y	801	04/14/22

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

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	IMPLEMENTATION PLAN Y/N	MOD #	EFFECTIVE DATE
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 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 437.1A	09/23/24	Bridge and Tunnel Management	N	885	02/24/25
DOE O 440.2C Chg 3 (LtdChg)	03/21/23	Aviation Management and Safety	N	845	10/10/23
DOE M 441.1-1	03/07/08	Nuclear Material Packaging Manual	Y	M037	04/22/08
DOE O 442.1B	01/31/19	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	02/13/20
DOE O 452.1F	01/22/23	Nuclear Explosive and Weapon Surety Program	N	833	05/02/23
DOE O 452.2F	07/27/20	Nuclear Explosive Safety	N	855	10/19/20
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 452.3-2A	11/08/22	Phase X/Phase 6.X Processes	N	868	02/09/24
DOE O 452.4D	05/20/2024	Security and Use Control of Nuclear Explosives and Nuclear Weapons	N	868	06/28/24
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
NNSA SD 452.4-1	01/27/22	Nuclear Enterprise Assurance (NEA)	Y	824	01/11/23

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

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	IMPLEMENTATION PLAN Y/N	MOD #	EFFECTIVE DATE
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 Chg 1 (LtdChg)	06/10/22	Hazardous Materials Packaging and Transportation Safety	N	817	10/20/22
DOE O 460.2B	06/10/22	Departmental Materials Transportation Management  Note: LLNS to directly submit requests (new and renewal) interim and final hazard classifications to the NNSA PTD Director, approval authority for the DOE, with a notification only to LFO.	N/A	833	05/02/23
DOE O 461.1C Chg 1 (MinChg)	10/04/19	Packaging and Transportation for Offsite Shipment of Materials of National Security Interest	N	726	12/31/19
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 2 (LtdChg)	02/23/24	Design Basis Threat (DBT)	Y	885	02/24/25
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 470.5A	12/19/24	Insider Threat Program	Y	885	02/24/25
DOE O 470.6 Chg 1 (MinChg)	01/11/17	Technical Security Program	Y	674	4/09/17
NNSA SD 470.6	02/25/22	Technical Security Program	Y	817	10/20/22
NNSA ACD 470-6	07/15/19	Use Of Mobile Devices Within National Nuclear Security Administration Secure Spaces	Y	720	11/18/19

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

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	IMPLEMENTATION PLAN Y/N	MOD #	EFFECTIVE DATE
DOE O 471.1B	03/01/10	Identification and Protection of Unclassified Controlled Nuclear Information	N	151	06/10/10
DOE O 471.5	03/29/11	Special Access Programs	N	253	05/05/11
DOE O 471.6 Chg 4 (LtdChg)	08/22/23	Information Security	N	845	10/10/23
DOE O 471.7	02/03/22	Controlled Unclassified Information	N	810	06/30/22
NNSA SD 471.6	12/09/19	Operations Security Program	Y	739	05/06/20
DOE O 472.2 A Chg.1 (LtdChg)	10/28/24	Personnel Security	N	885	02/24/25
DOE O 473.1A	08/31/21	Physical Protection Program	N	810	06/30/22
DOE O 473.2A	08/30/21	Protective Force Operations	N	810	06/30/22
NNSA SD 473.3	09/10/14	Enterprise Mission Essential Task List-based Protective Force Training Program	N	574	09/03/15
DOE O 474.2A Chg 1 (AdminChg)	04/16/2024	Nuclear Material Control and Accountability	Y	868	05/29/24
DOE O 475.1	12/10/04	Counterintelligence Program	N/A	M003	10/01/07
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 3 (MinChg)	10/28/2024	DOE Cooperative Research & Development Agreements	N/A	885	02/24/25
DOE O 484.1, Admin Chg 4	10/28/24	Reimbursable Work for Department of Homeland Security	N/A	885	02/24/25
DOE O 486.1A	9/04/2020	Foreign Government Sponsored Or Affiliated Activities	N/A	753	09/28/20
DOE O 520.1B Chg 1 (LtdChg)	11/11/2022	Financial Management and Chief Financial Officer Responsibilities	N/A	833	05/02/23
DOE O 522.1A	8/2/2018	Pricing of Departmental Materials and Services	N/A	684	8/21/18
DOE O 534.1B	01/06/03	Accounting	N/A	M003	10/01/07
DOE O 544.1A	1/29/2024	Priorities and Allocations Program	N/A	885	02/24/25
DOE O 550.1 Chg 1 (LtdChg)	12/13/2019	Official Travel	N/A	729	02/13/20
DOE O 5639.8A	07/23/93	Security of Foreign Intelligence Information and Sensitive Compartmented Information Facilities	N/A	M003	10/01/07

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

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	IMPLEMENTATION PLAN Y/N	MOD #	EFFECTIVE DATE
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-1269-2022	04/22	Air Cleaning Systems in DOE Nuclear Facilities	Y	824	01/11/23
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
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
DOE-STD-3014-2006	05/06	Accident Analysis for Aircraft Crash into Hazardous Facilities	N/A	619	06/23/16

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

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	IMPLEMENTATION PLAN Y/N	MOD #	EFFECTIVE DATE
DOE-NA-STD-3016-2023	04/10/23	Hazard Analysis Reports for Nuclear Explosive Operations	N/A	845	10/10/23
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	801	04/14/22
DOE-STD-5506-2021	08/21	Preparation of Safety Basis Documents for Transuranic (TRU) Waste Facilities	N/A	801	04/14/22
DOE STD-7501-99	12/99	The DOE Lessons Learned Program	N/A	M003	10/01/07
NAP 470.1	08/18/2023	Enhanced Compensatory Control Measures	N	868	02/09/24
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 3 formerly NAP-24A	02/02/24	Weapon Quality Policy  Note: This document is not accessible to the public. Delete attachment 3	Y	868	07/16/24
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



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

<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>
Technical Business Practices **	various	Technical Business Practices  Note: This document is not accessible to the public.	N/A	M003	10/01/07
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.

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

(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.