

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT	1. CONTRACT ID CODE	PAGE 1 OF 2 PAGES
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2. AMENDMENT/MODIFICATION NO. M380	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
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6. ISSUED BY U.S. Department of Energy National Nuclear Security Administration Sandia Site Office (MS 0184) P.O. Box 5400 Albuquerque, NM 87185-5400	7. ADMINISTERED BY (If other than Item 6) CODE
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, state, ZIP Code) Sandia Corporation P. O. Box 5800 Albuquerque, NM 87185	9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11)
CODE _____ FACILITY CODE _____	10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC04-94AL85000 10B. DATED (SEE ITEM 13) October 1, 1993

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO (Specify authority): THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE-NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (Such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: The Department of Energy Organization Act, 42 U.S.C. § 7101 et seq. and the National Nuclear Security Administration Act, 50 U.S.C. § 2401 et seq.; Clause I-72, DEAR 970.5204-2 Laws, Regulations and DOE Directives (Dec 2000)(Deviation) and Clause I-62, DEAR 952.215-70 Key Personnel (Dec 2000).
	D. OTHER (Specify type of modification and authority):

E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to replace Appendix D, *Key Personnel*, Appendix G, *List of Applicable Directives and NNSA Policy Letters* and replace paragraph (e) of H-33, *Implementation of Section I Clauses*.

15A. NAME AND TITLE OF SIGNER (Type or print) James Eanes, Manager Corporate Contract Management, Sandia Corp.	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) JoAnn Wright, Contracting Officer Sandia Site Office
15B. CONTRACTOR/OFFEROR BY <u>James Eanes</u> (Signature of person authorized to sign)	15C. DATE SIGNED <u>5/13/10</u>
16B. UNITED STATES OF AMERICA BY <u>JoAnn Wright</u> (Signature of Contracting Officer)	16C. DATE SIGNED <u>5/13/2010</u>

The details of the modification are as follows:

- 1) Revise Section H, Special Contract Requirements Clause 33 entitled, *Implementation of Section I Clauses*, with the replacement of paragraph (e) as follows:
 - (e) Changes to the NNSA Supplemental Directive NA SD M 452.3-1 Defense Programs Business Requirements and Processes Manual listed in, and may be updated by, Appendix G are approved by NNSA HQ (NA-12) and released through the Requirements Modernization and Integration (RMI) Explorer <http://rmippi.sandia.gov/>. Upon release of any RMI derived requirements, the contractor will be notified by NNSA or an authorized designee and the contractor will have the opportunity to assess the effect of the contractor's compliance with the change on contract cost and funding, technical performance, and implementation schedule; and identify any potential inconsistencies between the change and other terms and conditions of the contract. Within 30 days of receipt of NNSA notification of a change, the contractor shall advise the Sandia Site Office (SSO) Contracting Officer (CO), with concurrent notice to the SSO Contracting Officer Representative (COR) cognizant for Direct Stockpile Work (DSW), in writing of the potential impact of the contractor's compliance with the change. The contractor and contracting officer will identify and, if appropriate, agree to any changes to other terms and conditions, including cost and schedule, associated with the change, and fee may be adjusted pursuant to the clause of this contract entitled, "Changes." If there is no impact resulting from a change, the contractor shall advise the SSO CO, with a concurrent notice to the SSO COR cognizant for Directed Stockpile Work (DSW), in writing within 30 days of notification of a change and include the contractor implementation date.
(End of Clause)
- 2) Appendix D, *Key Personnel*, dated July 10, 2009 is hereby revised and superseded in its entirety with Attachment 1 to this modification dated April 9, 2010. The change replaces Les E. Shephard with Jill Hruby as Vice President, Energy Securities and Defense Technologies and removes Joan B. Woodard, Executive Vice President and Deputy Laboratory Director for Integrated Technologies and Systems.
- 3) Appendix G, *List of Applicable Directives and NNSA Policy Letters*, is replaced by Attachment 2 hereto. The effective date of Appendix G is thirty (30) days after the date in Block 16C of the Standard Form 30 to this modification.
- 4) All other terms and conditions remain unchanged.

- End of Modification -

Part III - Section J
Appendix D
Key Personnel

April 9, 2010

The Contractor's employees identified below are determined to be necessary for the successful performance of this Contract. The purpose of this listing is to identify those employees whose initial assignment, reassignment, or replacement shall be subject to the approval of the Contracting Officer, pursuant to the Contract Clause entitled "Key Personnel." Position title designations do not signify officers of the Sandia Corporation.

Thomas O. Hunter	President, Laboratories Director
Alton D. Romig	Executive Vice President and Deputy Lab Director for Laboratory Transformation and Operations
Paul Hommert	Executive Vice President and Deputy Lab Director for the Nuclear Weapons Strategic Management Group
Carolyn Hart	Vice President, Weapons Engineering and Product Realization
Michael W. Hazen	Vice President, Infrastructure Operations
Elizabeth D. Krauss	Vice President, General Counsel, and Corporate Secretary
Jerry McDowell	Vice President, Defense Systems and Assessments
Matthew J. O'Brien	Vice President, CFO and Business Operations
Joseph Polito, Jr.	Vice President, Enterprise Transformation and Information Systems
Stephen Rottler	Vice President, Science and Technology and Research Foundations
Jill Hruby	Vice President, Energy, Securities and Defense Technologies
John F. Slipke	Vice President, Human Resources and Communications
Richard Stulen	Vice President, California Laboratory

Part III - Section J
Appendix G
List of Applicable Directives and NNSA Policy Letters

In addition to the list of applicable directives referenced 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 referenced below.

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE
APPH Chapter X Revision 10	09/08/98	Accounting Practices & Procedures Handbook Chapter X - Product Cost Accounting
DOE O 110.3	11/3/99	Conference Management
DOE O 130.1	9/29/95	Budget Formulations Process
DOE M 140.1-1B	3/30/01	Interface with the Defense Nuclear Facilities Safety Board
DOE O 142.1	1/13/04	Classified Visits Involving Foreign Nationals
DOE O 142.2A	12/15/06	Safeguards Agreement and Protocol with the International Atomic Energy Agency
DOE M 142.2-1	9/04/08	Manual for the Implementation of the Voluntary Offer Safeguards Agreement and Additional Protocol with the International Atomic Energy Agency
DOE O 142.3 Chg 1 dated 02/28/08	6/18/04	Unclassified Foreign Visits and Assignments
DOE O 144.1 Chg 1 dated 11/16/09	1/16/2009	Department of Energy American Indian Tribal Government Interactions and Policy
DOE O 150.1	5/8/2008	Continuity Programs ¹
DOE O 151.1C	11/02/05	Comprehensive Emergency Management System
DOE O 153.1	06/27/07	Departmental Radiological Emergency Response Assets
DOE N 153.2	8/11/03	Connectivity to National Atmospheric Release Advisory Center (NARAC)
DOE O 200.1A	12/23/2008	Information Technology Management
DOE M 200.1-1	02/15/00	Chapter 9 Public Key Cryptography and Key Management
DOE O 205.1A	12/04/06	Department of Energy Cyber Security Management Program
DOE M 205.1-3	04/17/06	Telecommunications Security Manual
DOE M 205.1-4	03/08/07	National Security Systems Manual
DOE M 205.1-5	08/12/2008	Cyber Security Process Requirements Manual
DOE M 205.1-6	12/23/2008	Media Sanitization Manual
DOE M 205.1-7	01/05/2009	Security Controls for Unclassified Information Systems Manual
DOE M 205.1-8	1/08/2009	Cyber Security Incident Management Manual
DOE O 206.1	1/16/2009	Department of Energy Privacy Program

¹ Full implementation will occur in accordance with Sandia Corporation's (Sandia) approved Implementation Plan. Sandia will meet all but four of the order requirements within the one-year implementation requirement. An extension of one additional year is granted for the four remaining requirements of the subject directive as follows (Reference contract modification M309): (1) CRD Section 1.d (2) CRD Section 2.b (3) CRD Section 2.e (4) CRD Section 2.i.

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE
DOE N 206.4	06/29/07 (DOE N 251.74 extends this order until 06/29/2009)	Personal Identity Verification ²
DOE O 210.2	06/12/06	DOE Corporate Operating Experience Program
DOE O 221.1A	04/19/08	Reporting Fraud, Waste, and Abuse to the Office of Inspector General
DOE O 221.2A	02/25/08	Cooperation With The Office of Inspector General
DOE O 225.1A	11/26/97	Accident Investigations
DOE O 226.1A	07/31/07	Implementation of Department of Energy Oversight Policy
DOE M 231.1-1A Chg1 dated 09/09/04; Chg. 2 dated 06/12/07	03/19/04	Environment, Safety, and Health Reporting Manual
DOE M 231.1-2	8/19/03	Occurrence Reporting and Processing of Operations Information
DOE N 234.1	02/27/10	Reporting of Radioactive Sealed Sources
DOE O 241.1A Chg 1	10/14/03	Scientific and Technical Information Management
DOE O 243.1	2/03/2006	Records Management Program
DOE O 243.2	2/02/2006	Vital Records
DOE O 252.1	11/19/99	Technical Standards Program
DOE O 313.1	11/19/09	Management and Funding of the Department's Overseas Presence
DOE O 350.1, Chg 1 dated 5/8/98; Chg 2 dated 11/22/09	9/30/96	Contractor Human Resource Management Programs
DOE O 350.2A	10/29/03	Use of Facility Contractor Employees for Services to DOE in the Washington, D.C., Area
DOE O 410.2	8/17/09	Management of Nuclear Materials ³
DOE O 412.1A	4/21/05	Work Authorization System
DOE O 413.1B	10/28/08	Internal Control Program
DOE O 413.2B	4/19/06	Laboratory Directed Research & Development
DOE O 413.3A Chg 1 dated 11/17/2008	07/28/06	Program & Project Management for the Acquisition of Capital Assets
DOE O 414.1C	6/17/05	Quality Assurance
DOE O 420.1B	12/22/05	Facility Safety
DOE O 420.2B	7/23/04	Safety of Accelerator Facilities
DOE O 425.1C	3/13/03	Startup and Restart of Nuclear Facilities
DOE O 430.1B, Chg. 1 dated 02/08/2008	9/24/03	Real Property Asset Management
DOE O 430.2B	2/27/08	Departmental Energy Renewable Energy and Transportation Management
DOE O 433.1A	2/13/07	Maintenance Management Program for DOE Nuclear Facilities
DOE O 435.1, Chg. 1 dated 8/28/01	7/9/99	Radioactive Waste Management
DOE M 440.1-1A	01/09/06	DOE Explosives Safety Manual

² Full implementation will occur in accordance with SNL's approved Implementation Plan.

³ Sandia will implement DOE O 410.2 Management of Nuclear Materials, dated 8/17/2009 in accordance with the letter from J.Eanes to J.Wright, dated October 8, 2009 (10_8_DIR_10-07-2009). Full implementation will be achieved by October 1, 2010.

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE
DOE O 440.2B, Chg. 1 dated 11/19/06	11/27/02	Aviation Management and Safety
DOE M 441.1-1	03/07/2008	Nuclear Material Packaging Manual ⁴
DOE O 442.1A	6/6/01	Department Of Energy Employee Concerns Program
DOE M 442.1-1	11/16/06	Differing Professional Opinions Manual for Technical Issues Involving Environment, Safety, and Health
DOE O 443.1A	12/20/2007	Protection of Human Subjects
DOE O 450.1A	6/4/08	Environmental Protection Program
DOE M 450.4-1	11/01/06	Integrated Safety Management System Manual
DOE O 452.1D	04/14/09	Nuclear Explosive and Weapon Surety Program
DOE O 452.2-1A	04/14/09	Nuclear Explosive Safety Manual
DOE O 452.2-2	04/14/09	Nuclear Explosive Safety Evaluation Processes
DOE O 452.2D	04/14/09	Nuclear Explosive Safety
DOE O 452.3	6/08/05	Management of the Department of Energy Nuclear Weapons Complex
NNSA SD M 452.3-1	12/10/09	Defense Programs Business Requirements and Processes Manual ⁵
DOE O 452.4B	01/22/10	Security and Use Control of Nuclear Explosives and Nuclear Weapons
DOE M 452.6A	04/14/09	Nuclear Weapon Surety Interface with the Department of Defense
DOE M 452.4-1A	3/11/04	Protection of Use Control Vulnerabilities and Designs
DOE N 456.1	01/05/2009	The Safe Handling of Unbound Engineered Nanoparticles
DOE O 457.1	2/07/06	Nuclear Counter-terrorism
DOE M 457.1-1	08/10/06	Control of Improvised Nuclear Device Information
DOE O 460.1B	4/4/03	Packaging and Transportation Safety
DOE O 460.2A	12/22/04	Departmental Materials Transportation & Packaging Management
DOE M 460.2-1A	6/4/08	Radioactive Material Transportation Practices
DOE O 461.1A	4/26/04	Packaging and Transfer or Transportation of Materials of National Security Interest
DOE O 462.1	11/10/08	Import and Export of Category 1 and 2 Radioactive Sources and Aggregated Quantities
DOE O 470.2B	10/31/02	Independent Oversight and Performance Assurance Program
DOE O 470.3B	08/12/08	Graded Security Protection (GSP) Policy
DOE M 470.4-1, Chg. 1 dated 03/07/06	08/26/05	Safeguards and Security Program Planning and Management
DOE M 470.4-2A	07/23/09	Physical Protection ⁶

⁴a. Sandia shall repackage all nuclear materials that fall under the requirements of DOE M 441.1-1 remaining on-site after FY-2015 that do not have an identified disposition path. These materials will need to be packaged before the end of FY-2014 or as soon as appropriate packaging is identified and approval obtained through the Sandia Site Office. Sandia will determine the appropriate packaging and SSO will concur/approve. Packaging designs will be approved by a Site Office and reviewed by NNSA/Service Center Packaging Certification Division prior to use.
 b. New Material that Sandia acquires from various programs and projects that is subject to DOE M 441.1-1, must have an approved container for storage, or Sandia must have a plan (approved by SSO) in place to develop a container to comply with the packaging and storage requirements, when it comes on site.
 c. Sandia shall provide a plan to meet the above by March 2010, and begin executing the plan by October 2010.
⁵ Changes to the NNSA Supplemental Directive NA SD M 452.3-1 Defense Programs Business Requirements and Processes Manual and the RMI derived requirements are processed as described in contract clause H-33(e).

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE
DOE M 470.4-3A	11/05/08	Contractor Protective Force
DOE M 470.4-4A	1/16/2009	Information Security Manual ⁷
DOE M 470.4-5	08/26/05	Personnel Security
DOE M 470.4-6, Chg. 1 dated 08/14/06	08/26/05	Nuclear Material Control and Accountability
DOE O 471.1A	6/30/00 (DOE N 251.64 extends this Order until 7/7/06)	Identification and Protection of Unclassified Controlled Nuclear Information
DOE M 471.2-3B	10/29/07	Special Access Program Policies, Responsibilities, and Procedures
DOE O 471.3	4/9/03	Identifying and Protecting Official Use Only Information
DOE M 471.3-1	4/9/03	Manual for Identifying and Protecting Official Use Only Information
DOE O 475.1	12/10/04	Counterintelligence Program
DOE M 475.1-1B	08/28/07	Manual for Identifying Classified Information
DOE O 475.2	08/28/07	Identifying Classified Information
DOE O 482.1	1/12/01	DOE Facilities Technology Partnering Programs
DOE O 483.1	1/12/01	DOE Cooperative Research & Development Agreements
DOE O 484.1	08/17/06	Reimbursable Work for the Department of Homeland Security
DOE O 522.1	11/03/04	Pricing of Departmental Materials and Services
DOE O 534.1B	1/6/03	Accounting
DOE O 551.1C	6/24/08	Official Foreign Travel
DOE O 580.1 Chg 1 dated 05/08/08	12/07/05	Department of Energy Personal Property Management Program
DOE O 1450.4	11-12-92	Consensual Listening-In to or Recording Telephone/Radio Conversations ⁸
DOE 5400.5 Chg. 2 dated 1/7/93	2/8/90	Radiation Protection of the Public & the Environment (<i>except 1a(3)(a) of Chapter II cancelled per DOE O 231.1</i>)

⁶ Sandia will not be required to implement **new** requirements contained in this directive until a modification of the contract that incorporates NNSA supplemental policy is executed. Effective as of the date of Modification No. 359, Sandia may discontinue all work performed in accordance with the previous directive, DOE M 470.4-2 Chg 1 that is no longer a requirement in the new directive.

⁷ Sandia will not be required to implement **new** requirements contained in this directive until a modification of the contract that incorporates NNSA supplemental policy is executed. Effective as of the date of Modification No. 359, Sandia may discontinue all work performed in accordance with the previous directive, DOE M 470.4-4A that is no longer a requirement in the new directive.

⁸ a) All paragraphs of DOE O 1450.4 are applicable to Sandia with the exception of the following: 7a, 7b, 7c, 7f, 8b and 8c. b) References to the organization AD-20, Director, Information Resources should read NA-65, Office of the Chief Information Officer. c) References to the organization SA-1, Director Office of Security Affairs, should read SO-1, Office of Security. d) Paragraph 7.d. Replace "Heads of Departmental Elements" with "The contractor" (e.g., The contractor shall...). e) Paragraph 7.d.(2) Replace "AD-24 or SA-1, as appropriate" with the "Sandia Site Office, Manager" and remove "or forward the documentation through the respective PSO." f) Paragraph 8.a. Replace "Heads of Departmental Elements" with "The contractor"; replace "AD-24" with the "Sandia Site Office, Manager" and replace SA-1 with SO-1. g) Paragraph 8.a. Add "through the Sandia Site Office" at the end of the last sentences so it reads ...shall be submitted to SO-1 through the Sandia Site Office. h) Paragraph 8.e. Replace "Departmental Elements" with "The contractor" at the beginning of the second sentence and change "AD-20 or SA-1" with "the Sandia Site Office." i) Paragraph 8.f. Change "Organizational elements authorized" to "The contractor as authorized."

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE
DOE 5480.19, Chg. 2 dated 10/23/01	7/9/90	Conduct of Operations Requirements for DOE Facilities
DOE 5480.20A, Chg. 1 dated 7/12/01	11/15/94	Personnel Selection, Qualification, and Training Requirements for DOE Nuclear Facilities
DOE 5480.30, Chg. 1 dated 3/14/01	1/19/93	Nuclear Reactor Safety Design Criteria
SEN-35-91	9/9/91	Nuclear Safety Policy
NAP 14.1-C	5/02/08	NNSA Baseline Cyber Security Program
NAP 14.2-C	5/02/08	NNSA Certification and Accreditation (C&A) Process for Information Systems
NAP 14.3-B	5/02/08	Transmission of Restricted Data Over Secret Internet Protocol Router Network (SIPRNet)

Part III - Section J
Appendix G
List of Applicable Directives and NNSA Policy Letters

In addition to the list of applicable directives referenced 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 referenced below.

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DOE O 130.1	9/29/95	Budget Formulations Process
DOE M 140.1-1B	3/30/01	Interface with the Defense Nuclear Facilities Safety Board
DOE O 142.1	1/13/04	Classified Visits Involving Foreign Nationals
DOE O 142.2A	12/15/06	Safeguards Agreement and Protocol with the International Atomic Energy Agency
DOE M 142.2-1	9/04/08	Manual for the Implementation of the Voluntary Offer Safeguards Agreement and Additional Protocol with the International Atomic Energy Agency
DOE O 142.3 Chg 1 dated 02/28/08	6/18/04	Unclassified Foreign Visits and Assignments
DOE O 144.1 <u>Chg 1</u> <u>dated 11/16/09</u>	1/16/2009	Department of Energy American Indian Tribal Government Interactions and Policy
DOE O 150.1	5/8/2008	Continuity Programs ¹
DOE O 151.1C	11/02/05	Comprehensive Emergency Management System
DOE O 153.1	06/27/07	Departmental Radiological Emergency Response Assets
DOE N 153.2	8/11/03	Connectivity to National Atmospheric Release Advisory Center (NARAC)
DOE O 200.1A	12/23/2008	Information Technology Management
DOE M 200.1-1	02/15/00	Chapter 9 Public Key Cryptography and Key Management
DOE O 205.1A	12/04/06	Department of Energy Cyber Security Management Program
DOE M 205.1-3	04/17/06	Telecommunications Security Manual
DOE M 205.1-4	03/08/07	National Security Systems Manual
DOE M 205.1-5	08/12/2008	Cyber Security Process Requirements Manual
DOE M 205.1-6	12/23/2008	Media Sanitization Manual
DOE M 205.1-7	01/05/2009	Security Controls for Unclassified Information Systems Manual
DOE M 205.1-8	1/08/2009	Cyber Security Incident Management Manual
DOE O 206.1	1/16/2009	Department of Energy Privacy Program

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DOE O 210.2	06/12/06	DOE Corporate Operating Experience Program
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DOE O 226.1A	07/31/07	Implementation of Department of Energy Oversight Policy
DOE M 231.1-1A Chg1 dated 09/09/04; Chg. 2 dated 06/12/07	03/19/04	Environment, Safety, and Health Reporting Manual
DOE M 231.1-2	8/19/03	Occurrence Reporting and Processing of Operations Information
DOE N 234.1	02/27/10	Reporting of Radioactive Sealed Sources
DOE O 241.1A Chg 1	10/14/03	Scientific and Technical Information Management
DOE O 243.1	2/03/2006	Records Management Program
DOE O 243.2	2/02/2006	Vital Records
DOE O 251.1B	08/16/06	Directives System
DOE M 251.1-1B	08/16/06	Departmental Directives Program
DOE O 252.1	11/19/99	Technical Standards Program
DOE O 313.1	11/19/09	Management and Funding of the Department's Overseas Presence
DOE O 350.1, Chg 1 dated 5/8/98; Chg 2 dated 11/22/09	9/30/96	Contractor Human Resource Management Programs
DOE O 350.2A	10/29/03	Use of Facility Contractor Employees for Services to DOE in the Washington, D.C., Area
DOE O 410.2	8/17/09	Management of Nuclear Materials ³
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DOE O 413.1B	10/28/08	Internal Control Program
DOE O 413.2B	4/19/06	Laboratory Directed Research & Development
DOE O 413.3A Chg 1 dated 11/17/2008	07/28/06	Program & Project Management for the Acquisition of Capital Assets
DOE O 414.1C	6/17/05	Quality Assurance
DOE O 420.1B	12/22/05	Facility Safety
DOE O 420.2B	7/23/04	Safety of Accelerator Facilities
DOE O 425.1C	3/13/03	Startup and Restart of Nuclear Facilities
DOE O 430.1B, Chg. 1 dated 02/08/2008	9/24/03	Real Property Asset Management
DOE O 430.2B	2/27/08	Departmental Energy Renewable Energy and Transportation Management
DOE O 433.1A	2/13/07	Maintenance Management Program for DOE Nuclear Facilities
DOE O 435.1, Chg. 1 dated 8/28/01	7/9/99	Radioactive Waste Management

² Full implementation will occur in accordance with SNL's approved Implementation Plan.

³ Sandia will implement DOE O 410.2 Management of Nuclear Materials, dated 8/17/2009 in accordance with the letter from J.Eanes to J.Wright, dated October 8, 2009 (10_8_DIR_10-07-2009). Full implementation will be achieved by October 1, 2010.

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE
DOE M 440.1-1A	01/09/06	DOE Explosives Safety Manual
DOE O 440.2B, Chg. 1 dated 11/19/06	11/27/02	Aviation Management and Safety
DOE M 441.1-1	03/07/2008	Nuclear Material Packaging Manual ⁴
DOE O 442.1A	6/6/01	Department Of Energy Employee Concerns Program
DOE M 442.1-1	11/16/06	Differing Professional Opinions Manual for Technical Issues Involving Environment, Safety, and Health
DOE O 443.1A	12/20/2007	Protection of Human Subjects
DOE O 450.1A	6/4/08	Environmental Protection Program
DOE M 450.4-1	11/01/06	Integrated Safety Management System Manual
DOE O 452.1D	04/14/09	Nuclear Explosive and Weapon Surety Program
DOE O 452.2-1A	04/14/09	Nuclear Explosive Safety Manual
DOE O 452.2-2	04/14/09	Nuclear Explosive Safety Evaluation Processes
DOE O 452.2D	04/14/09	Nuclear Explosive Safety
DOE O 452.3	6/08/05	Management of the Department of Energy Nuclear Weapons Complex
NNSA SD M 452.3-1	12/10/09	Defense Programs Business Requirements and Processes Manual⁵
DOE O 452.4BA	12/17/04 10/22/10	Security and Use Control of Nuclear Explosives and Nuclear Weapons
DOE M 452.6A	04/14/09	Nuclear Weapon Surety Interface with the Department of Defense
DOE M 452.4-1A	3/11/04	Protection of Use Control Vulnerabilities and Designs
DOE N 456.1	01/05/2009	The Safe Handling of Unbound Engineered Nanoparticles
DOE O 457.1	2/07/06	Nuclear Counter-terrorism
DOE M 457.1-1	08/10/06	Control of Improvised Nuclear Device Information
DOE O 460.1B	4/4/03	Packaging and Transportation Safety
DOE O 460.2A	12/22/04	Departmental Materials Transportation & Packaging Management
DOE M 460.2-1A	6/4/08	Radioactive Material Transportation Practices
DOE O 461.1A	4/26/04	Packaging and Transfer or Transportation of Materials of National Security Interest
DOE O 462.1	11/10/08	Import and Export of Category 1 and 2 Radioactive Sources and Aggregated Quantities
DOE O 470.2B	10/31/02	Independent Oversight and Performance Assurance Program
DOE O 470.3B	08/12/08	Graded Security Protection (GSP) Policy
DOE M 470.4-1, Chg. 1 dated 03/07/06	08/26/05	Safeguards and Security Program Planning and Management
DOE M 470.4-2A	07/23/09	Physical Protection ⁶

⁴a. Sandia shall repackage all nuclear materials that fall under the requirements of DOE M 441.1-1 remaining on-site after FY-2015 that do not have an identified disposition path. These materials will need to be packaged before the end of FY-2014 or as soon as appropriate packaging is identified and approval obtained through the Sandia Site Office. Sandia will determine the appropriate packaging and SSO will concur/approve. Packaging designs will be approved by a Site Office and reviewed by NNSA/Service Center Packaging Certification Division prior to use.

b. New Material that Sandia acquires from various programs and projects that is subject to DOE M 441.1-1, must have an approved container for storage, or Sandia must have a plan (approved by SSO) in place to develop a container to comply with the packaging and storage requirements, when it comes on site.

c. Sandia shall provide a plan to meet the above by March 2010, and begin executing the plan by October 2010.

⁵ [Changes to the NNSA Supplemental Directive NA SD M 452.3-1 Defense Programs Business Requirements and Processes Manual and the RMI derived requirements are processed as described in contract clause H-33\(e\).](#)

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE
DOE M 470.4-3A	11/05/08	Contractor Protective Force
DOE M 470.4-4A	1/16/2009	Information Security Manual ⁷
DOE M 470.4-5	08/26/05	Personnel Security
DOE M 470.4-6, Chg. 1 dated 08/14/06	08/26/05	Nuclear Material Control and Accountability
DOE O 471.1A	6/30/00 (DOE N 251.64 extends this Order until 7/7/06)	Identification and Protection of Unclassified Controlled Nuclear Information
DOE M 471.2-3B	10/29/07	Special Access Program Policies, Responsibilities, and Procedures
DOE O 471.3	4/9/03	Identifying and Protecting Official Use Only Information
DOE M 471.3-1	4/9/03	Manual for Identifying and Protecting Official Use Only Information
DOE O 475.1	12/10/04	Counterintelligence Program
DOE M 475.1-1B	08/28/07	Manual for Identifying Classified Information
DOE O 475.2	08/28/07	Identifying Classified Information
DOE O 482.1	1/12/01	DOE Facilities Technology Partnering Programs
DOE O 483.1	1/12/01	DOE Cooperative Research & Development Agreements
DOE O 484.1	08/17/06	Reimbursable Work for the Department of Homeland Security
DOE O 522.1	11/03/04	Pricing of Departmental Materials and Services
DOE O 534.1B	1/6/03	Accounting
DOE O 551.1C	6/24/08	Official Foreign Travel
DOE O 580.1 Chg 1 dated 05/08/08	12/07/05	Department of Energy Personal Property Management Program
DOE O 1450.4	11-12-92	Consensual Listening-In to or Recording Telephone/Radio Conversations ⁸
DOE 5400.5 Chg. 2 dated 1/7/93	2/8/90	Radiation Protection of the Public & the Environment (<i>except 1a(3)(a) of Chapter II cancelled per DOE O 231.1</i>)

⁶ Sandia will not be required to implement **new** requirements contained in this directive until a modification of the contract that incorporates NNSA supplemental policy is executed. Effective as of the date of Modification No. 359, Sandia may discontinue all work performed in accordance with the previous directive, DOE M 470.4-2 Chg 1 that is no longer a requirement in the new directive.

⁷ Sandia will not be required to implement **new** requirements contained in this directive until a modification of the contract that incorporates NNSA supplemental policy is executed. Effective as of the date of Modification No. 359, Sandia may discontinue all work performed in accordance with the previous directive, DOE M 470.4-4A that is no longer a requirement in the new directive.

⁸ a) All paragraphs of DOE O 1450.4 are applicable to Sandia with the exception of the following: 7a, 7b, 7c, 7f, 8b and 8c. b) References to the organization AD-20, Director, Information Resources should read NA-65, Office of the Chief Information Officer. c) References to the organization SA-1, Director Office of Security Affairs, should read SO-1, Office of Security. d) Paragraph 7.d. Replace "Heads of Departmental Elements" with "The contractor" (e.g., The contractor shall...). e) Paragraph 7.d.(2) Replace "AD-24 or SA-1, as appropriate" with the "Sandia Site Office, Manager" and remove "or forward the documentation through the respective PSO." f) Paragraph 8.a. Replace "Heads of Departmental Elements" with "The contractor"; replace "AD-24" with the "Sandia Site Office, Manager" and replace SA-1 with SO-1. g) Paragraph 8.a. Add "through the Sandia Site Office" at the end of the last sentences so it reads ...shall be submitted to SO-1 through the Sandia Site Office. h) Paragraph 8.e. Replace "Departmental Elements" with "The contractor" at the beginning of the second sentence and change "AD-20 or SA-1" with "the Sandia Site Office." i) Paragraph 8.f. Change "Organizational elements authorized" to "The contractor as authorized."

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE
DOE 5480.19, Chg. 2 dated 10/23/01	7/9/90	Conduct of Operations Requirements for DOE Facilities
DOE 5480.20A, Chg. 1 dated 7/12/01	11/15/94	Personnel Selection, Qualification, and Training Requirements for DOE Nuclear Facilities
DOE 5480.30, Chg. 1 dated 3/14/01	1/19/93	Nuclear Reactor Safety Design Criteria
56XB Rev. 2	5/10/04 (Release Date)	Nuclear Weapon Development and Production⁹
SEN-35-91	9/9/91	Nuclear Safety Policy
NAP 14.1-C	5/02/08	NNSA Baseline Cyber Security Program
NAP 14.2-C	5/02/08	NNSA Certification and Accreditation (C&A) Process for Information Systems
NAP 14.3-B	5/02/08	Transmission of Restricted Data Over Secret Internet Protocol Router Network (SIPRNet)

⁹ Changes to the ~~56XB~~, Nuclear Weapon Development and Production (D&P) Manual and the D&P derived requirements are processed as described in contract clause H-33(e) (Reference contract modification M216). The date listed above reflects the ~~Rev 2~~ release date and not the most recent change, which is identified through the process described in H-33(e).