AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE 1 OF 1 PAGES

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. *(If applicable)*
M415	**See Block 16C**		

6. ISSUED BY CODE
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

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, state, ZIP Code)*
Sandia Corporation
P. O. Box 5800
Albuquerque, NM 87185

CODE FACILITY CODE

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

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 H-40 Operating Requirements and Clause I-72, DEAR 970.5204-2 Laws, Regulations and DOE Directives (Dec 2000)(Deviation)
	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 G, *List of Applicable Directives and NNSA Policy Letters* with Attachment 1 hereto. The effective date of Appendix G is thirty (30) days after the date in Block 16C below. There are no changes to Appendix G-1 *Operating Requirements*. This modification also corrects the header on pages 2 and 3 in modification M406 as follows: Change M404 to read: M406.

Except as provided herein, all terms and conditions of the document referenced in Items 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER *(Type or print)*		16A. NAME AND TITLE OF CONTRACTING OFFICER *(Type or print)*	
Steven Bauck, Manager **Corporate Contract Management, Sandia Corp.**		**JoAnn Wright, Contracting Officer** **Sandia Site Office**	
15B. CONTRACTOR/OFFEROR BY Steven Bauck *(Signature of person authorized to sign)*	15C. DATE SIGNED 3/31/2011	16B. UNITED STATES OF AMERICA BY JoAnn Wright *(Signature of Contracting Officer)*	16C. DATE SIGNED 3/31/2011

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. This List excludes directives that have been granted an exemption from the CRD in whole or in part. For those Directives whereby the Contractor has been granted an exemption from the CRD, the Contractor shall comply only with the Operating Requirements identified in Appendix G-1. Directives identified in Appendix G-1 are for reference purposes only.

Bolded directives have been reviewed by the Joint Operating Requirements Review Board (JORRB).

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE
APPH Chapter X Revision 10	9/08/98	Accounting Practices & Procedures Handbook Chapter X - Product Cost Accounting
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 142.3A	10/14/10	Unclassified Foreign Visits and Assignments Program
DOE O 144.1, Chg 1 dated 11/16/09	1/16/09	Department of Energy American Indian Tribal Government Interactions and Policy
DOE O 150.1	5/8/08	Continuity Programs
DOE O 151.1C	11/02/05	Comprehensive Emergency Management System
DOE O 153.1	6/27/07	Departmental Radiological Emergency Response Assets
DOE N 153.2	8/11/03	Connectivity to National Atmospheric Release Advisory Center (NARAC)
DOE M 200.1-1	2/15/00	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	4/17/06	Telecommunications Security Manual
DOE M 205.1-4	3/08/07	National Security Systems Manual
DOE M 205.1-5	8/12/08	Cyber Security Process Requirements Manual
DOE M 205.1-6	12/23/08	Media Sanitization Manual
DOE M 205.1-7	1/05/09	Security Controls for Unclassified Information Systems Manual
DOE M 205.1-8	1/08/09	Cyber Security Incident Management Manual
DOE O 206.1	1/16/09	Department of Energy Privacy Program
DOE N 206.4	6/29/07 (DOE N 251.74 extends this order until 6/29/09)	Personal Identity Verification[1]
DOE O 210.2	6/12/06	DOE Corporate Operating Experience Program

[1] Full implementation will occur in accordance with SNL's approved Implementation Plan.

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE
DOE O 221.1A	4/19/08	Reporting Fraud, Waste, and Abuse to the Office of Inspector General
DOE O 221.2A	2/25/08	Cooperation With The Office of Inspector General
DOE O 225.1A	11/26/97	Accident Investigations
DOE O 226.1A	7/31/07	Implementation of Department of Energy Oversight Policy
DOE M 231.1-1A, Chg 1 dated 9/09/04; Chg 2 dated 6/12/07	3/19/04	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	2/27/10 (DOE N 251.86 extends this order until 5/06/11)	Reporting of Radioactive Sealed Sources
DOE O 241.1B	**12/13/10**	**Scientific and Technical Information Management**[2]
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 3 dated 2/23/10	9/30/96	Contractor Human Resource Management Programs (excludes Chapters VIII Contractor Workplace Substance Abuse Programs and IX Employee Assistance Programs due to exemption granted on December 9, 2010, by the NNSA Administrator)
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 413.3B[4]	**7/28/06**	**Program and Project Management for the Acquisition of Capital Assets**
DOE O 414.1C	6/17/05	Quality Assurance
DOE O 420.1B, Chg 1 dated 4/19/10	12/22/05	Facility Safety
DOE O 420.2B	7/23/04	Safety of Accelerator Facilities
DOE O 422.1	6/29/10	Conduct of Operations
DOE O 425.1D	4/16/10	Verification of Readiness to Start Up or Restart Nuclear Facilities
DOE O 426.2	4/21/10	Personnel Selection, Training, Qualification, and Certification Requirements for DOE Nuclear Facilities
DOE O 430.1B, Chg. 1 dated 2/08/08	9/24/03	Real Property Asset Management
DOE O 433.1B	4/21/10	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	1/09/06	DOE Explosives Safety Manual

[2] Sandia will implement the following requirement in paragraph 3. of the Contractor Requirements Document in accordance with an approved implementation plan: [name of subprogram].
[3] Sandia will implement DOE O 410.2 Management of Nuclear Materials, dated August 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.
[4] The annual Value Engineering accomplishment progress report required by paragraph c.9. of the Contractor Requirements Document shall be submitted to OECM through the Sandia Site Office.

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	3/07/08	Nuclear Material Packaging Manual[5]
DOE M 442.1-1	11/16/06	Differing Professional Opinions Manual for Technical Issues Involving Environment, Safety, and Health
DOE O 443.1A	12/20/07	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	4/14/09	Nuclear Explosive and Weapon Surety Program
DOE M 452.2-1A	4/14/09	Nuclear Explosive Safety Manual
DOE M 452.2-2	4/14/09	Nuclear Explosive Safety Evaluation Processes
DOE O 452.2D	4/14/09	Nuclear Explosive Safety
DOE O 452.3	6/08/05	Management of the Department of Energy Nuclear Weapons Complex
DOE O 452.4B	1/22/10	Security and Use Control of Nuclear Explosives and Nuclear Weapons
DOE O 452.6A	4/14/09	Nuclear Weapon Surety Interface with the Department of Defense
DOE O 452.7	5/14/10	Protection of Use Control Vulnerabilities and Designs
DOE N 456.1	1/05/09 (DOE N 251.79 extends this order until 4/19/11)	The Safe Handling of Unbound Engineered Nanoparticles
DOE O 457.1	2/07/06	Nuclear Counter-terrorism
DOE M 457.1-1	8/10/06	Control of Improvised Nuclear Device Information
DOE O 460.1C	5/14/10	Packaging and Transportation Safety[6]
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 461.1B	**12/20/10**	**Packaging and Transportation for Offsite Shipment of Materials of National Security Interest**
DOE O 461.2	**10/31/10**	**Onsite Packaging and Transfer 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	8/12/08	Graded Security Protection (GSP) Policy

[5] a. 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 is obtained through the Sandia Site Office (SSO). Sandia will determine the appropriate packaging and SSO will concur/approve. Packaging designs will be approved by a Site Office and reviewed by the 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.

[6] Sandia will submit an impact evaluation that contemplates the finalized NNSA approval process for special permits.

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE
DOE M 470.4-1, Chg. 2 dated 10/20/10	8/26/05	Safeguards and Security Program Planning and Management
DOE M 470.4-3A	11/05/08	Contractor Protective Force
DOE M 470.4-5	8/26/05	Personnel Security
DOE M 470.4-6, Chg. 1 dated 8/14/06	8/26/05	Nuclear Material Control and Accountability
DOE O 471.1B	3/01/10	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	8/28/07	Manual for Identifying Classified Information
DOE O 475.2	8/28/07	Identifying Classified Information
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 5/08/08	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[7]
DOE 5400.5 Chg. 2 dated 1/7/93	2/8/90	Radiation Protection of the Public & the Environment *(except 1a(3)(a) of Chapter II cancelled per DOE O 231.1)*
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 Production[8]
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)
NAP 70.2	7/02/10	Physical Protection

[7] 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."

[8] Chapters within 56XB: *Nuclear Weapon Development and Production (D&P) Manual* will stay in effect until specific *Nuclear Weapon D&P Manual* chapters and associated Technical Business Practices are incrementally and formally replaced using the Requirements Modernization and Integration (RMI) process, within the RMI Explorer, as described in contract clause H-33(e) and NA SD M 452.3-1.

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE
NAP 70.4	7/02/10	Information Security
NNSA SD M 452.3-1	12/10/09	Defense Programs Business Requirements and Processes Manual[9]

[9] 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).