

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1   2
2. AMENDMENT/MODIFICATION NO. 0246	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY NNSA/Los Alamos Site Office U.S. Department of Energy NNSA/Los Alamos Site Office 3747 West Jemez Road Los Alamos NM 87544	CODE 05003	7. ADMINISTERED BY (If other than Item 6) NNSA/Los Alamos Site Office U.S. Department of Energy Los Alamos Site Office 3747 West Jemez Road Los Alamos NM 87544	CODE 05003
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) LOS ALAMOS NATIONAL SECURITY, LLC Attn: STEVE K. SHOOK P.O. BOX 1663, MS P222 LOS ALAMOS NM 875450001		(x) 9A. AMENDMENT OF SOLICITATION NO.	9B. DATED (SEE ITEM 11)
CODE 175252894	FACILITY CODE	x 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC52-06NA25396	10B. DATED (SEE ITEM 13) 12/21/2005

**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 or 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 ACKNOWLEDGEMENT 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 ONLY APPLIES TO MODIFICATION 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: P.L. 95-91 and Other Applicable Laws
	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor  is not,  is required to sign this document and return 1 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 update Prime Contract Section J, Appendix G, List of Applicable Directives.

See Page 2.

Period of Performance: 12/21/2005 to 09/30/2018

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

15A. NAME AND TITLE OF SIGNER (Type or print) Elizabeth D. Sellers Deputy Laboratory Director	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Sheryl A. Keeper Chesnut SAC 11/19/13
15B. CONTRACTOR/OFFEROR ED Sellers (Signature of person authorized to sign)	15C. DATE SIGNED 11/14/13
16B. UNITED STATES OF AMERICA Sheryl Chesnut (Signature of Contracting Officer)	16C. DATE SIGNED 11/19/13

Prime Contract Section J, Appendix G, *List of Applicable Directives*, is modified as follows:

The following DOE, NNSA, and NFPA Directives are added:

<b>NUMBER</b>	<b>DATE</b>	<b>TITLE</b>
NA SD M 452.3-1	12/10/09	Defense Programs Business Requirements and Processes Manual RMI Chapters only: R001 Product Realization R003 Control Product Definition R006 6.X Process
DOE O 440.2C Change 1	6/15/2011	Aviation Management and Safety
NFPA 70E 2012	2012 Edition	National Fire Protection Association Standard for Electrical Safety in the Work Place

The following Directives are deleted in their entirety:

<b>NUMBER</b>	<b>DATE</b>	<b>TITLE</b>
DOE O 440.2B Change 1	11/19/06	Aviation Management and Safety
NFPA 70E 2009	2009 Edition	National Fire Protection Association Standard for Electrical Safety in the Work Place

**PART III - SECTION J**

**APPENDIX G**

**November 14, 2013**

**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:

- <http://directives.doe.gov/cqi-bin/currentchecklist>
- <http://www.directives.doe.gov/directives/globesearch-adv.html>
- <http://www.nnsa.doe.gov/>
- <http://www.eh.doe.gov/techstds/standard/standard.html>
- <http://int.lanl.gov/orga/pcm/directives/html>

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	Mod # Date
ANSI 8.22	1997	Nuclear Criticality Safety Based on Limiting and Controlling Moderators	
ANSI 8.23	1997	Nuclear Criticality Accident Emergency Planning and Response	
DOE O 130.1, Attachment 1 CRD	09/29/95	Budget Formulation	
DOE M 140.1-1B, Attachment 1 CRD	03/30/01	Interface with the Defense Nuclear Facilities Safety Board	
DOE O 142.1, Attachment 2 CRD	01/13/04	Classified Visits Involving Foreign Nationals	A019 04/26/07
DOE O 142.2A, Attachment 2 CRD	12/15/06	Voluntary Offer Safeguards Agreement and Additional Protocol with the International Atomic Energy Agency	M033 01/09/08
DOE M 142.2-1, Attachment 1 CRD	09/04/08	Manual for Implementation of the Voluntary Offer Safeguards Agreement and Additional Protocol with the International Atomic Energy Agency	M062 01/15/09
DOE O 142.3A, Attachment 1 CRD	10/14/10	Unclassified Foreign Visits and Assignments Program	192 05/21/12
DOE O 144.1 Admin Chg 1, Attachment 1 CRD	11/06/09	Department of Energy American Indian Tribal Government Interactions and Policy	M133 06/11/10
DOE O 150.1, Attachment 1 CRD	05/08/08	Continuity Programs	M103 10/06/09
DOE O 151.1C, Attachment 2 CRD	11/02/15	Comprehensive Emergency Management System	A015 01/25/07
DOE O 153.1, Attachment 2 CRD	06/27/07	Departmental Radiological Emergency Response Assets	M033 01/09/08
DOE O 200.1A, Attachment 1 CRD	12/23/08	Information Technology Management <b>NOTE:</b> Implementation as cited by PCM-11-366 dated 12/21/11	183 02/06/12

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	Mod # Date
DOE M 200.1-1, Chapter 9	02/15/00	Public Key Cryptography and Key Management	
DOE O 205.1B Chg 1, Attachment 1 CRD	12/07/12	Department of Energy Cyber Security Program <b>NOTE:</b> Implementation as cited by PCM-13-092 dated 4/12/13	229 05/13/13
DOE M 205.1-3	04/17/06	Telecommunications Security Manual	A019 04/26/07
DOE O 206.1, Attachment 1 CRD	01/16/09	Department of Energy Privacy Program	M103 10/06/09
DOE N 206.4, Attachment 1 CRD	06/29/07	Personal Identity Verification	M033 01/09/08
DOE O 210.2A, Attachment 2 CRD	04/08/11	DOE Corporate Operating Experience Program <b>NOTE:</b> Implementation as cited by PCM-11-312 dated 11/17/11 and LASO SO:26CK-397917 dated 11/21/11	183 02/06/12
DOE O 221.1A, Attachment 1 CRD	04/19/08	Reporting Fraud, Waste, and Abuse to the Office of Inspector General	M056 10/08/08
DOE O 221.2A, Attachment 1 CRD	02/25/08	Cooperation With The Office of Inspector General	M062 01/15/09
DOE O 225.1B, Attachment 1 CRD	03/04/11	Accident Investigations	165 05/27/11
DOE O 226.1B, Attachment 1 CRD	04/25/11	Implementation of Department of Energy Oversight Policy	177 10/03/11
DOE O 227.1, Attachment 1, CRD	08/30/11	Independent Oversight Program	183 02/06/12
DOE O 231.1B Chg 1, Attachment 1 CRD	11/28/12	Environment, Safety, and Health Reporting	229 05/13/13
DOE O 232.2, Attachment 1, CRD	08/30/11	Occurrence Reporting and Processing of Operations Information	183 02/06/12
DOE O 241.1B, Attachment 1 CRD	12/13/10	Scientific and Technical Information Management	177 10/03/11
DOE O 243.1A, Attachment 1 CRD	11/07/11	Records Management Program <b>NOTE:</b> Implementation as cited by PCM-12-042 dated 2/29/12	192 05/21/12
DOE O 243.2, Attachment 2 CRD	02/02/06	Vital Records	A021 06/11/07
DOE O 251.1B, Attachment 1 CRD	08/16/06	Departmental Directives Program	A019 04/26/07
DOE M 251.1-1B, Attachment 1 CRD	08/16/06	Departmental Directives Program Manual	A019 04/26/07
DOE O 252.1A, Attachment 1 CRD	02/23/11	Technical Standards Program	165 05/27/11
DOE O 311.1B	02/12/03	Equal Employment Opportunity and Diversity Program	
DOE O 341.1A, Attachment 1 CRD	10/18/07	Federal Employee Health Services	M078 07/01/09
DOE O 350.1 Chg 1, Attachment 1 CRD	05/08/98	Contractor Human Resource Management Programs	A018 03/29/07

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	Mod # Date
DOE O 350.2B, Attachment 1 CRD	05/31/11	Use of Management and Operating or Other Facility Management Contractor Employees for Services to DOE in the Washington, D.C., Area	177 10/03/11
DOE O 410.2, Attachment 1 CRD	08/17/09	Management of Nuclear Materials	M133 06/11/10
DOE O 412.1A	04/21/05	Work Authorization System	A019 04/26/07
DOE O 413.1B, Attachment 1 CRD	10/28/08	Internal Control Program	M103 10/06/09
DOE O 413.2B, Attachment 2 CRD	04/19/06	Laboratory Directed Research and Development	A019 04/26/07
DOE O 413.3B, Attachment 1 CRD	11/29/10	Program and Project Management for the Acquisition of Capital Assets	157 01/21/11
DOE O 414.1D, Attachment 1 CRD	04/25/11	Quality Assurance <b>NOTE:</b> Implementation as cited by PCM-11-230 dated 9/30/11	177 10/03/11
DOE O 420.1C, Attachment 1 CRD	12/04/12	Facility Safety <b>NOTE:</b> Implementation as cited by PCM-13-076 dated 3/29/13 and Field Office Letter SO:40CK-513103 dated 5/31/13.	241 09/26/13
DOE O 420.2C, Attachment 1 CRD	07/21/11	Safety of Accelerator Facilities	177 10/03/11
DOE O 422.1, Attachment 1 CRD	06/29/10	Conduct of Operations	157 01/21/11
DOE G 424.1-1B	04/08/10	Implementation Guide For Use In Addressing Unreviewed Safety Question Requirements	150 10/05/10
DOE O 425.1D, Attachment 1 CRD	04/16/10	Verification of Readiness to Start Up or Restart Nuclear Facilities	150 10/05/10
DOE O 426.2, Attachment 1 CRD	04/21/10	Personnel Selection, Training, Qualification, and Certification Requirements for DOE Nuclear Facilities	150 10/05/10
DOE O 430.1B Chg. 1, Attachment 2 CRD	02/08/08	Real Property Asset Management	M046 06/11/08
DOE O 433.1B, Attachment 1 CRD	04/21/10	Maintenance Management Program for DOE Nuclear Facilities	150 10/05/10
DOE O 435.1 Chg 1, Attachment 1 CRD	08/28/01	Radioactive Waste Management	
DOE M 435.1-1 Chg 1	06/19/01	Radioactive Waste Management Manual	
DOE O 436.1, Attachment 1 CRD	05/02/11	Departmental Sustainability	183 02/06/12
DOE O 440.2C Chg 1, Attachment 1 CRD	06/15/2011	Aviation Management and Safety	246 11/14/13
DOE M 441.1-1, Attachment 1 CRD	03/07/08	Nuclear Material Packaging Manual	M056 10/08/08
DOE O 442.1A, Attachment 1 CRD	06/06/01	Department Of Energy Employee Concerns Program	

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	Mod # Date
DOE O 442.2, Attachment 1 CRD	07/29/11	Differing Professional Opinions for Technical Issues Involving Environment, Safety, and Health	183 02/06/12
DOE O 443.1B, Attachment 1 CRD	03/17/11	Protection of Human Research Subjects	177 10/03/11
DOE O 452.1D, Attachment 1 CRD	04/14/09	Nuclear Explosive and Weapon Surety Program	M078 07/01/09
DOE O 452.2D, Attachment 1 CRD	04/14/09	Nuclear Explosive Safety	M078 07/01/09
DOE M 452.2-1A, Attachment 1 CRD	04/14/09	Nuclear Explosive Safety Manual	M078 07/01/09
DOE M 452.2-2, Attachment 1 CRD	04/14/09	Nuclear Explosive Safety Evaluation Processes	M078 07/01/09
DOE O 452.3, Attachment 2 CRD	06/08/05	Management of the Department of Energy Nuclear Weapons Complex	A021 06/11/07
DOE O 452.4A, Attachment 1 CRD	12/17/01	Security and Control of Nuclear Explosives and Nuclear Weapons	
DOE O 452.6A, Attachment 1 CRD	04/14/09	Nuclear Weapon Surety Interface with the Department of Defense	M078 07/01/09
DOE O 452.7, Attachment 1 CRD	05/14/10	Protection of Use Control Vulnerabilities and Designs	150 10/05/10
DOE O 452.8, Attachment 1 CRD	07/21/11	Control of Nuclear Weapon Data	183 02/06/12
DOE O 456.1, Attachment 1 CRD	05/31/11	The Safe Handling of Unbound Engineered Nanoparticles	177 10/03/11
DOE O 457.1, Attachment 2 CRD	02/07/06	Nuclear Counterterrorism	A019 04/26/07
DOE M 457.1-1, Attachment 2 CRD	08/10/06	Control of Improvised Nuclear Device Information	A019 04/26/07
DOE O 458.1 Chg 2, Attachment 1 CRD	06/06/11	Radiation Protection of the Public and the Environment <b>NOTE:</b> Implementation as cited by LASO BA:30RP-407384 dated 1/5/12 and PCM-12-028 dated 2/9/12	177 10/03/11
DOE O 460.1C, Attachment 1 CRD	05/14/10	Packaging and Transportation Safety	150 10/5/10
DOE O 460.2A, Attachment 2 CRD	12/22/04	Departmental Materials Transportation and Packaging Management	A019 04/26/07
DOE M 460.2-1A, Attachment 1 CRD	06/04/08	Radioactive Material Transportation Practices Manual For Use With DOE O 460.2A	M056 10/08/08
DOE O 461.1B, Attachment 1 CRD	12/20/10	Packaging and Transportation for Offsite Shipment of Materials of National Security Interest	165 05/27/11
DOE O 461.2, Attachment 1 CRD	11/01/10	Onsite Packaging and Transfer of Materials of National Security Interest	165 05/27/11
DOE O 462.1, Attachment 1 CRD	11/10/08	Import and Export of Category 1 and 2 Radioactive Sources and Aggregated Quantities	M069 04/21/09
DOE O 470.3B	08/12/08	Graded Security Protection (GSP) Policy	M062 01/15/09

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DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	Mod # Date
DOE M 470.4-1 Chg 1, Attachment 2 CRD	03/07/06	Safeguards and Security Program Planning and Management	A015 01/25/07
DOE M 470.4-3A, Attachment 1 CRD	11/05/08	Contractor Protective Force	M078 07/01/09
DOE M 470.4-6 Chg 1, Attachment 2 CRD	08/14/06	Nuclear Material Control and Accountability	A015 01/25/07
DOE O 471.1B, Attachment 1 CRD	03/01/10	Identification and Protection of Unclassified Controlled Nuclear Information	177 10/03/11
DOE O 471.3, Attachment 1 CRD	04/09/03	Identifying and Protecting Official Use Only Information	
DOE M 471.3-1, Attachment 1 CRD	04/09/03	Manual for Identifying and Protecting Official Use Only Information	
DOE O 471.5, Attachment 1 CRD	03/29/11	Special Access Programs	177 10/03/11
DOE O 472.2, Attachment 2 CRD	07/27/11	Personnel Security	177 10/03/11
DOE O 475.1, Attachment 2 CRD	12/10/04	Counterintelligence Program	A015 01/25/07
DOE O 475.2A, Attachment 1 CRD	02/01/11	Identifying Classified Information	177 10/03/11
DOE M 481.1-1A Chg 1	09/28/01	Reimbursable Work for Non-Federal Sponsors Process Manual	
DOE O 483.1, Attachment 1 CRD	01/12/01	DOE Cooperative Research and Development Agreements	
DOE M 483.1-1	01/12/01	DOE Cooperative Research and Development Agreements Manual	
DOE O 484.1, Attachment 2 CRD	08/17/06	Reimbursable Work for Department of Homeland Security	A018 03/29/07
DOE O 522.1, Attachment 2 CRD	11/03/04	Pricing of Departmental Materials and Services	
DOE O 534.1B, Attachment 1 CRD	01/06/03	Accounting	
DOE O 551.1D, Attachment 1 CRD	04/02/12	Official Foreign Travel	192 05/21/12
DOE O 580.1 Chg 1, Attachment 2 CRD	05/08/08	Department of Energy Personal Property Management Program <b>NOTE:</b> Implementation as cited by PCM-13-043 dated 3/04/13	M056 10/08/08
DOE O 5400.5 Chg 2	01/07/93	Radiation Protection of the Public and the Environment <b>NOTE:</b> Removal contingent upon full imple- mentation of DOE O 458.1 Chg 2 as cited by LASO BA:30RP-407384 dated 1/5/12 and PCM-12-028 dated 2/9/12	
DOE O 5480.30 Chg 1	03/14/01	Nuclear Reactor Safety Design Criteria	
DOE O 5639.8A	07/23/93	Security of Foreign Intelligence Information and Sensitive Compartmented Information Facilities	
DOE O 5670.1A	01/15/92	Management and Control of Foreign Intelligence	

Appendix G

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	Mod # Date
DOE HDBK 1169-2003	December 2003	DOE Handbook Nuclear Air Cleaning Handbook (Chapter 8, Appendix A, B, C)	M062 01/15/09
DOE-STD-1027-92, Change 1	September 1997	Hazard Categorization and Accident Analysis Techniques for Compliance with DOE Order 5480.23 Nuclear Safety Analysis Reports	
DOE-STD-1186-2004	August 2004	Specific Administrative Controls	M042 04/14/08
DOE-STD-1189-2008	March 2008	Integration of Safety Into The Design Process	M046 06/11/08
DOE-STD-1212-2012	June 2012	Explosives Safety	201 09/3/12
DOE-STD-3009-94, Change Notice 3	March 2006	Preparation Guide for U.S. Department of Energy Nonreactor Nuclear Facility Documented Safety Analysis	M042 04/14/08
DOE-STD-3011-2002	December 2002	Guidance for Preparation of Basis for Interim Operation (BIO) Documents	
DOE-STD-3013-2012	March 2012	Stabilization, Packaging, and Storage of Plutonium-Bearing Materials <b>NOTE:</b> Implementation as cited by PCM-13-071 dated 3/25/13	229 05/13/13
DOE-STD-3014-96	October 1996	Accident Analysis for Aircraft Crash into Hazardous Facilities	
DOE-STD-3015-2004	May 2004	Nuclear Explosive Safety Evaluation Process	M062 01/15/09
DOE-STD-3016-2006	May 2006	Hazard Analysis Reports for Nuclear Explosive Operations	M069 04/21/09
DOE-STD-3020-2005	December 2005	Specification for HEPA Filters Used by DOE Contractors	183 02/06/12
DOE-STD-5506-2007	April 2007	Preparation of Safety Basis Documents for Transuranic (TRU) Waste Facilities	M078 07/01/09
QC-1, Revision 10	02/10/04	DOE/NNSA Weapon Quality Policy (QC-1) <b>NOTE:</b> Not applicable to Fissile and Type B Containers per LASO Letter QA-11-136-ABL dated 4/12/11	165 05/27/11
56XB, Revision 2	02/27/04	Development and Production (D&P) Manual	
NNSA DP G PPBE-001	10/21/11	Defense Programs (DP) Work Breakdown Structure (WBS)	192 05/21/12
NNSA NA-1 SD G 1027	11/28/11	Guidance of Using Release Fraction and Modern Dosimetric Information	192 05/21/12
NA-1 SD 226.1A	10/17/08	NNSA Line Oversight and Contractor Assurance System Supplemental Directive	M069 04/21/09
NA SD O 350.2	11/16/11	Use of Management and Operating Contractor Employees for Services to NNSA in the Washington DC Area	183 02/06/12

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	Mod # Date
NA SD M 452.3-1	12/10/09	Defense Programs Business Requirements and Processes Manual <b>NOTE:</b> Include RMI Chapters R002, R007, R008, R010 per LASO approval 9/22/11 (Mod 177), RMI Chapter R016 per LASO approval 6/12/12, RMI Chapter R018 per LASO approval 7/23/12 (Mod 196), and RMI Chapters R001, R003, R006 per PCM-13-149 dated 7/1/2013 and Field Office approval 7/23/13 (Mod 246)	M133 06/11/10
NA-10 WQAP Manual	03/30/09	NNSA Office of Defense Programs (NA-10) Weapon Quality Assurance Procedures Manual	M078 07/01/09
NAP 14.1C, Chapter VII	05/02/08	NNSA Baseline Cyber Security Program, Chapter VII Incident Management	229 05/13/13
NAP 14.1D	12/14/12	Baseline Cyber Security <b>NOTE:</b> Implementation as cited by PCM-13-092 dated 4/12/13	229 05/13/13
NAP 14.3-B	05/02/08	Transmission of Restricted Data Over Secret Internet Protocol Router Network (SIPRNet)	M062 01/15/09
NAP 70.2	07/02/10	Physical Protection	157 01/21/11
NAP 70.4	07/02/10	Information Security	157 01/21/11
BOP-003.0404	07/28/04	Requests to Defense Contracting Audit Agency (DCAA) for Audit of M&O Contractor Subcontracts	
BOP-003.08, CRD	05/30/08	Management and Operating Contractor Business Meals and Light Refreshment	M046 06/11/08
NFPA 70E	2012 Edition	Standard for Electrical Safety in the Work Place	246 11/14/13