

2. AMENDMENT/MODIFICATION NO. 0344
 3. EFFECTIVE DATE See Block 16C
 4. REQUISITION/PURCHASE REQ. NO.
 5. PROJECT NO. (If applicable)

6. ISSUED BY CODE 05003
 NNSA M&O Contracting Branch
 NA-APM-131
 Albuquerque Complex
 P.O. Box 5400
 Albuquerque NM 87185-5400
 7. ADMINISTERED BY (If other than Item 6) CODE 05003
 NNSA/Los Alamos Site Office
 U.S. Department of Energy
 Los Alamos Site Office
 3747 West Jemez Road
 Los Alamos NM 87544

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)
 LOS ALAMOS NATIONAL SECURITY, LLC
 Attn: STEVE SHOOK
 P.O. BOX 1663, MS M722
 LOS ALAMOS NM 875450001
 9A. AMENDMENT OF SOLICITATION NO. (x)
 9B. DATED (SEE ITEM 11)
 10A. MODIFICATION OF CONTRACT/ORDER NO. X
 DE-AC52-06NA25396
 10B. DATED (SEE ITEM 13)
 12/21/2005
 CODE 175252894 FACILITY CODE

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).
 C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
 D. OTHER (Specify type of modification and authority)
 X P.L. 95-91 and Other Applicable Laws

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.

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

15A. NAME AND TITLE OF SIGNER (Type or print) Deputy Laboratory Director
 Richard M. Kacich
 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
 Robert M. Poole
 15B. CONTRACTOR/OFFEROR
 15C. DATE SIGNED 4-22-16
 16B. UNITED STATES OF AMERICA
 16C. DATE SIGNED 4/25/2016
 (Signature of person authorized to sign) (Signature of Contracting officer)

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

The following Directives are added:

NUMBER	DATE	TITLE
DOE STD 3020-2015	June 2015	Specification for HEPA Filters Used by DOE Contractors
DOE O 452.4C	08/28/15	Security and Use Control of Nuclear Explosives and Nuclear Weapons
DOE O 472.2 Change 1	07/09/14	Personnel Security
DOE O 551.1D Change 1	08/13/15	Official Foreign Travel
DOE O 580.1A Admin Change 1	10/22/2012	Department of Energy Personal Property Management Program
NAP 24A	11/24/15	Weapon Quality Policy

The following Directives are deleted:

NUMBER	DATE	TITLE
DOE STD 3014-96	Oct 1996	Accident Analysis for Aircraft Crash into Hazardous Facilities
DOE STD 3020-2005	Dec 2005	Specification for HEPA Filters Used by DOE Contractors
DOE O 452.4A	12/17/01	Security and Control of Nuclear Explosives and Nuclear Weapons
DOE O 472.2 Admin Change 1	10/08/13	Personnel Security
DOE O 551.1D	04/02/12	Official Foreign Travel
DOE O 580.1 Change 1	05/08/08	Department of Energy Personal Property Management Program
NAP 24	06/20/13	Weapon Quality Policy

PART III - SECTION J

APPENDIX G

April 25, 2016

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>
- <http://www.nnsa.energy.gov/aboutus/ouoperations/managementandbudget/policysystem/nnsapolicies>
- <http://nnsa.energy.gov/aboutus/ouoperations/managementandbudget/supplementaldirectives>
- <http://energy.gov/hss/information-center/department-energy-technical-standards-program>
- <http://lanl.gov/org/dir/pcm/applicable-directives/index.shtml>

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 142.2A, 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 Chg 1, Attachment 1 CRD	11/06/09	Department of Energy American Indian Tribal Government Interactions and Policy	M133 06/11/10
DOE O 150.1A, Attachment 1 CRD	03/31/14	Continuity Programs	275 07/08/14
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 NOTE: Implementation as cited by PCM-11-366 dated 12/21/11	183 02/06/12
DOE M 200.1-1, Chapter 9	02/15/00	Public Key Cryptography and Key Management	

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	Mod # Date
DOE O 205.1B Chg 3, Attachment 1 CRD	04/29/14	Department of Energy Cyber Security Program	299 01/15/15
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 O 206.2, Attachment 1 CRD	02/19/13	Identity, Credential, and Access Management (ICAM)	275 07/08/14
DOE O 210.2A, Attachment 2 CRD	04/08/11	DOE Corporate Operating Experience Program	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 Chg 1, Attachment 1 CRD	03/12/14	Occurrence Reporting and Processing of Operations Information	275 07/08/14
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	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
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 Chg 1	05/21/14	Work Authorization System	275 07/08/14

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DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	Mod # Date
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	177 10/03/11
DOE O 420.1C, Attachment 1 CRD	12/04/12	Facility Safety NOTE: 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	
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 452.1E, Attachment 1 CRD	01/26/15	Nuclear Explosive and Weapon Surety Program	325 08/31/15
DOE O 452.2E, Attachment 1 CRD	01/26/15	Nuclear Explosive Safety	325 08/31/15
DOE O 452.3, Attachment 2 CRD	06/08/05	Management of the Department of Energy Nuclear Weapons Complex	A021 06/11/07

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DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	Mod # Date
DOE O 452.4C, Attachment 1 CRD	08/28/15	Security and Use Control of Nuclear Explosives and Nuclear Weapons	344 04/25/16
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 3, Attachment 1 CRD	01/15/13	Radiation Protection of the Public and the Environment	315 05/14/15
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 470.3B	08/12/08	Graded Security Protection (GSP) Policy	M062 01/15/09
DOE O 470.4B Chg 1, Attachment 1 CRD	02/15/13	Safeguards and Security Program NOTE: Implementation as cited by PCM-13-248 dated October 31, 2103	249 12/19/13
DOE O 470.5, Attachment 1 CRD	06/02/14	Insider Threat NOTE: Implementation as cited by PCM-15-005 dated January 8, 2015	315 05/14/15
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 471.6 Chg 1, Attachment 1 CRD	11/23/12	Information Security	249 12/19/13
DOE O 472.2 Chg 1, Attachment 1 CRD	07/09/14	Personnel Security	344 04/25/16
DOE O 473.3, Attachment 1 CRD	06/27/11	Protection Program Operations NOTE: Implementation as cited by PCM-13-248 dated October 31, 2103	249 12/19/13
DOE O 474.2 Chg 3, Attachment 1 CRD	05/15/15	Nuclear Material Control and Accountability	325 08/31/15

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DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	Mod # Date
DOE O 475.1, Attachment 2 CRD	12/10/04	Counterintelligence Program	A015 01/25/07
DOE O 475.2B Attachment 1 CRD	10/03/14	Identifying Classified Information	315 05/14/15
DOE M 481.1-1A Chg 1	09/28/01	Reimbursable Work for Non-Federal Sponsors Process Manual	
DOE O 483.1A, Attachment 1 CRD	11/06/13	DOE Cooperative Research and Development Agreements NOTE: Implementation as cited by PCM-14-058 dated 3/14/14	263 04/08/14
DOE O 484.1 Chg 2, Attachment 1 CRD	06/30/14	Reimbursable Work for Department of Homeland Security	299 01/15/15
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 Chg 1, Attachment 1 CRD	08/13/15	Official Foreign Travel	344 04/25/16
DOE O 580.1A Admin Chg 1, Attachment 1 CRD	10/22/2012	Department of Energy Personal Property Management Program NOTE: Implementation as cited by PCM-16-047 dated March 17, 2016	344 04/25/16
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	
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 NOTE: Implementation as cited by PCM-13-071 dated 3/25/13	229 05/13/13

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DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	Mod # Date
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-3020-2015	June 2015	Specification for HEPA Filters Used by DOE Contractors	344 04/25/16
DOE-STD-5506-2007	April 2007	Preparation of Safety Basis Documents for Transuranic (TRU) Waste Facilities	M078 07/01/09
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 SD 452.2, Attachment 1 CRD	11/17/14	Nuclear Explosive Safety Evaluation Processes	325 08/31/15
NNSA SD 473, Attachment 1 CRD	09/10/14	Enterprise Mission Essential Task List-Based Protective Force Training Program	299 01/15/15
NNSA SD 1027 Change Notice 1	05/13/14	Guidance of Using Release Fraction and Modern Dosimetric Information NOTE: Implementation as cited by PCM-15-023 dated January 26, 2015	315 05/14/15
NA-1 SD 226.1A, Attachment 1 CRD	10/17/08	NNSA Line Oversight and Contractor Assurance System Supplemental Directive	M069 04/21/09
NA SD 350.2, Attachment 1 CRD	11/16/11	Use of Management and Operating Contractor Employees for Services to NNSA in the Washington DC Area	183 02/06/12
NA SD M 452.3-1	12/10/09	Defense Programs Business Requirements and Processes Manual NOTE: Include RMI Chapters: R002, R007, R008, R010 per LASO approval 9/22/11 (Mod 177) R016 per LASO approval 6/12/12 (Mod 196) R018 per LASO approval 7/23/12 (Mod 196) R001, R003, R006 per Field Office approval 7/23/13 and as cited by PCM-13-149 7/1/2013 (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 NOTE: 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 23	12/13/12	Atomic Energy Act Control of Import and Export Activities	249 12/19/13
NAP 24A	11/24/15	Weapon Quality Policy	344 04/25/16
NAP 25 Chg 1	10/10/13	Management and Operating Contractor Business Meals and Light Refreshment	249 12/19/13

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DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	Mod # Date
BOP-003.0404	07/28/04	Requests to Defense Contracting Audit Agency (DCAA) for Audit of M&O Contractor Subcontracts	
NFPA 70E	2012 Edition	Standard for Electrical Safety in the Work Place	246 11/14/13