

**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

1. CONTRACT ID CODE

PAGE OF PAGES

1 2

2. AMENDMENT/MODIFICATION NO.

150

3. EFFECTIVE DATE

See Block 16C

4. REQUISITION/PURCHASE REQ. NO.

5. PROJECT NO. (If applicable)

6. ISSUED BY

CODE

05003

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

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: MIKE RAFFERTY  
P.O. BOX 1663, MS P222  
LOS ALAMOS NM 875450001

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

x 10A. MODIFICATION OF CONTRACT/ORDER NO.  
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).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Clause I-123 - 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 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 modify and replace Section J, Appendix G, List of Applicable Directives, with the new Section J, Appendix G, Attachment to this modification.

See Page 2.

Period of Performance: 12/21/2005 to 09/30/2014

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)

R.M. Rafferty Chief, Prime Contract Manager

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

Robert M. Poole

15B. CONTRACTOR OFFICER

*R.M. Rafferty*  
(Signature of person authorized to sign)

15C. DATE SIGNED

10/5/10

16B. UNITED STATES OF AMERICA

*Robert M. Poole*  
(Signature of Contracting Officer)

16C. DATE SIGNED

10/5/2010

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

The following DOE Directives are added:

NUMBER	DATE	TITLE
DOE O 420.1B Chg 1	04/19/10	Facility Safety
DOE G 424.1-1B	04/08/10	Implementation Guide for Use in Addressing Unreviewed Safety Question Requirements
DOE O 425.1D	04/16/10	Verification of Readiness to Start Up or Restart Nuclear Facilities
DOE O 426.2	04/21/10	Personnel Selection, Training, Qualification, and Certification Requirements for DOE Nuclear Facilities
DOE O 433.1B	04/21/10	Maintenance Management Program for DOE Nuclear Facilities
DOE O 452.7	05/14/10	Protection of Use Control Vulnerabilities and Design
DOE O 460.1C	05/14/10	Packaging and Transportation Safety
NFPA 70E	2009 Edition	Standard for Electrical Safety in the Work Place

The following DOE Directives are deleted in their entirety:

NUMBER	DATE	TITLE
DOE P 141.1	05/02/01	Department of Energy Management of Cultural Resources
DOE O 420.1B	12/22/05	Facility Safety
DOE G 420.1-1	03/28/00	Nonreactor Nuclear Safety Design Criteria and Explosive Safety Criteria Guide for use with DOE O 420.1 Facility Safety
DOE G 421.1-2	10/24/01	Implementation Guide for Use in Developing Documented Safety Analyses to Meet Subpart B of 10 CFR 830
DOE G 423.1-1	10/24/01	Implementation Guide for Use in Developing Technical Safety Requirements
DOE G 424.1-1A	07/24/06	Implementation Guide for Use in Addressing Unreviewed Safety Question Requirements
DOE O 425.1C	03/13/03	Startup or Restart of Nuclear Facilities
DOE O 433.1A	02/13/07	Maintenance Management Program for DOE Nuclear Facilities
DOE P 434.1	06/05/09	Conduct and Approval of Select Agent and Toxin Work at Department of Energy Sites
DOE P 450.4	10/15/96	Safety Management System Policy
DOE P 450.7	08/02/04	Environment, Safety, and Health (ESH) Goals
DOE M 452.4-1A	03/11/04	Protection of Use Control Vulnerabilities and Designs
DOE P 456.1	09/15/05	Secretarial Policy Statement of Nanoscale Safety
DOE O 460.1B	04/04/03	Packaging and Transportation Safety
DOE P 470.1	05/08/01	Integrated Safeguards and Security Management (ISSM) Policy
DOE O 5480.20A Chg 1	07/12/01	Personnel Selection, Qualification, and Training Requirements for DOE Nuclear Facilities
NAP-3	07/18/02	NNSA Environment, Safety, and Health Management Process Guidance
SEN-35-91	09/09/91	Nuclear Safety Policy

**PART III - SECTION J**

**APPENDIX G**

**October 5, 2010**

**[Modified by Modification No. A009, A015, A018, A019, A021, A027, M033, M041, M042, M046, M056, M062, M069, M078, M103, M133, 150]**

**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>

<b>DIRECTIVE NUMBER</b>	<b>DATE</b>	<b>DOE DIRECTIVE TITLE</b>	<b>Mod # Date</b>
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 110.3A	01/25/07	Conference Management	M078 07/01/09
DOE O 130.1	09/29/95	Budget Formulation	
DOE M 140.1-1B	03/30/01	Interface with the Defense Nuclear Facilities Safety Board	
DOE O 142.1	01/13/04	Classified Visits Involving Foreign Nationals	A019 04/26/07
DOE O 142.2A	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	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 142.3 Chg 1	02/28/08	Unclassified Foreign Visits and Assignments Program	M046 06/11/08
DOE O 144.1 Admin Chg 1	11/06/09	Department of Energy American Indian Tribal Government Interactions and Policy	M133 06/11/10
DOE O 150.1	05/08/08	Continuity Programs	M103 10/06/09
DOE O 151.1C	11/02/15	Comprehensive Emergency Management System	A015 01/25/07
DOE O 153.1	06/27/07	Departmental Radiological Emergency Response Assets	M033 01/09/08

<b>DIRECTIVE NUMBER</b>	<b>DATE</b>	<b>DOE DIRECTIVE TITLE</b>	<b>Mod # Date</b>
DOE O 200.1	09/30/96	Information Management Program	
DOE M 200.1-1, Chapter 9	02/15/00	Public Key Cryptography and Key Management	
DOE O 205.1A	12/04/06	Department of Energy Cyber Security Management	A019 04/26/07
DOE M 205.1-3	04/17/06	Telecommunications Security Manual	A019 04/26/07
DOE M 205.1-4	03/08/07	National Security System Manual	A021 06/11/07
DOE M 205.1-8	01/08/09	Cyber Security Incident Management Manual	M069 04/21/09
DOE O 206.1	01/16/09	Department of Energy Privacy Program	M103 10/06/09
DOE N 206.4	06/29/07	Personal Identity Verification	M033 01/09/08
DOE O 210.2	06/12/06	DOE Corporate Operating Experience Program	A021 06/11/07
DOE O 221.1A	04/19/08	Reporting Fraud, Waste, and Abuse to the Office of Inspector General	M056 10/08/08
DOE O 221.2A	02/25/08	Cooperation With The Office of Inspector General	M062 01/15/09
DOE N 221.15	01/05/09	Reporting Fraud, Waste, and Abuse	M069 04/21/09
DOE O 224.2	03/22/01	Auditing of Programs and Operations	
DOE O 225.1A	11/26/97	Accident Investigations	
DOE O 226.1A	07/31/07	Implementation of Department of Energy Oversight Policy	M033 01/09/08
DOE M 231.1-1A Chg 2	06/12/07	Environment, Safety, and Health Reporting Manual	M033 01/09/08
DOE M 231.1-2	08/19/03	Occurrence Reporting and Processing of Operations Information	
DOE N 234.1	02/27/08	Reporting of Radioactive Sealed Sources	M046 06/11/08
DOE O 241.1A Chg 1	10/14/03	Scientific and Technical Information Management	
DOE O 243.1	02/03/06	Records Management Program	A018 03/29/07
DOE O 243.2	02/02/06	Vital Records	A021 06/11/07
DOE O 251.1B	08/16/06	Departmental Directives Program	A019 04/26/07
DOE M 251.1-1B	08/16/06	Departmental Directives Program Manual	A019 04/26/07
DOE O 252.1	11/19/99	Technical Standards Program	
DOE O 311.1B	02/12/03	Equal Employment Opportunity and Diversity Program	
DOE O 341.1A	10/18/07	Federal Employee Health Services	M078 07/01/09
DOE O 350.1 Chg 1	05/08/98	Contractor Human Resource Management Programs	A018 03/29/07

<b>DIRECTIVE NUMBER</b>	<b>DATE</b>	<b>DOE DIRECTIVE TITLE</b>	<b>Mod # Date</b>
DOE O 350.2A	10/29/03	Use of Management and Operating or Other Facility Management Contractor Employees for Services to DOE in the Washington, D.C., Area	
DOE O 410.2	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	10/28/08	Internal Control Program	M103 10/06/09
DOE O 413.2B	04/19/06	Laboratory Directed Research and Development	A019 04/26/07
DOE O 413.3A Chg 1	11/17/08	Program and Project Management for the Acquisition of Capital Assets	M078 07/01/09
DOE O 414.1C	06/17/05	Quality Assurance	A009 09/29/06
DOE O 420.1B Chg 1	04/19/10	Facility Safety	150 10/05/10
DOE O 420.2B	07/23/04	Safety of Accelerator Facilities	
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	04/16/10	Verification of Readiness to Start Up or Restart Nuclear Facilities	150 10/05/10
DOE O 426.2	04/21/10	Personnel Selection, Training, Qualification, and Certification Requirements for DOE Nuclear Facilities	150 10/05/10
DOE O 430.1B Chg.1	02/08/08	Real Property Asset Management	M046 06/11/08
DOE O 430.2B	02/27/08	Departmental Energy, Renewable Energy, and Transportation Management	M046 06/11/08
DOE O 433.1B	04/21/10	Maintenance Management Program for DOE Nuclear Facilities	150 10/05/10
DOE O 435.1 Chg 1	08/28/01	Radioactive Waste Management	
DOE M 435.1-1 Chg 1	06/19/01	Radioactive Waste Management Manual	
DOE M 440.1-1A	01/09/06	DOE Explosives Safety Manual	M033 01/09/08
DOE O 440.2B Chg 1	11/19/06	Aviation Management and Safety	A019 04/26/07
DOE M 441.1-1	03/07/08	Nuclear Material Packaging Manual	M056 10/08/08
DOE O 442.1A	06/06/01	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	A019 04/26/07
DOE O 443.1A	12/20/07	Protection of Human Subjects	M042 04/14/08
DOE O 450.1A	06/04/08	Environmental Protection Program	M056 10/08/08
DOE M 450.4-1	11/01/06	Integrated Safety Management System Manual	M056 10/08/08

<b>DIRECTIVE NUMBER</b>	<b>DATE</b>	<b>DOE DIRECTIVE TITLE</b>	<b>Mod # Date</b>
DOE O 452.1D	04/14/09	Nuclear Explosive and Weapon Surety Program	M078 07/01/09
DOE O 452.2D	04/14/09	Nuclear Explosive Safety	M078 07/01/09
DOE M 452.2-1A	04/14/09	Nuclear Explosive Safety Manual	M078 07/01/09
DOE M 452.2-2	04/14/09	Nuclear Explosive Safety Evaluation Processes	M078 07/01/09
DOE O 452.3	06/08/05	Management of the Department of Energy Nuclear Weapons Complex	A021 06/11/07
DOE O 452.4A	12/17/01	Security and Control of Nuclear Explosives and Nuclear Weapons	
DOE O 452.6A	04/14/09	Nuclear Weapon Surety Interface with the Department of Defense	M078 07/01/09
DOE O 452.7	5/14/10	Protection of Use Control Vulnerabilities and Design	150 10/05/10
DOE N 456.1	01/15/09	The Safe Handling of Unbound Engineered Nanoparticles (extended 04/19/11 by Notice 251.79)	M078 07/01/09
DOE O 457.1	02/07/06	Nuclear Counterterrorism	A019 04/26/07
DOE M 457.1-1	08/10/06	Control of Improvised Nuclear Device Information	A019 04/26/07
DOE O 460.1C	5/14/10	Packaging and Transportation Safety	150 10/5/10
DOE O 460.2A	12/22/04	Departmental Materials Transportation and Packaging Management	A019 04/26/07
DOE M 460.2-1A	06/04/08	Radioactive Material Transportation Practices Manual For Use With DOE O 460.2A	M056 10/08/08
DOE O 461.1A	04/26/04	Packaging and Transfer or Transportation of Materials of National Security Interest	
DOE M 461.1-1 Chg 1	07/26/05	Packaging and Transfer of Materials of National Security Interest Manual	A015 01/25/07
DOE O 462.1	11/10/08	Import and Export of Category 1 and 2 Radioactive Sources and Aggregated Quantities	M069 04/21/09
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	M062 01/15/09
DOE M 470.4-1 Chg 1	03/07/06	Safeguards and Security Program Planning and Management	A015 01/25/07
DOE M 470.4-2A	07/23/09	Physical Protection	M103 10/06/09
DOE M 470.4-3A	11/05/08	Contractor Protective Force	M078 07/01/09
DOE M 470.4-4A	01/16/09	Information Security Manual	M069 04/21/09
DOE M 470.4-5	08/26/05	Personnel Security	A015 01/25/07

<b>DIRECTIVE NUMBER</b>	<b>DATE</b>	<b>DOE DIRECTIVE TITLE</b>	<b>Mod # Date</b>
DOE M 470.4-6 Chg 1	08/14/06	Nuclear Material Control and Accountability	A015 01/25/07
DOE M 470.4-7	08/26/05	Safeguards and Security Program References	A015 01/25/07
DOE O 471.1A	06/30/00	Identification and Protection of Unclassified Controlled Nuclear Information	
DOE M 471.1-1 Chg 1	10/23/01	Identification and Protection of Unclassified Controlled Nuclear Information Manual	
DOE M 471.2-3B	10/29/07	Special Access Program Policies, Responsibilities, and Procedures	M046 06/11/08
DOE O 471.3	04/09/03	Identifying and Protecting Official Use Only Information	
DOE M 471.3-1	04/09/03	Manual for Identifying and Protecting Official Use Only Information	
DOE O 475.1	12/10/04	Counterintelligence Program	A015 01/25/07
DOE M 475.1-1B	08/28/07	Manual For Identifying Classified Information	M033 06/11/08
DOE O 475.2	08/28/07	Identifying Classified Information	M046 06/11/08
DOE O 481.1C	01/24/05	Work For Others (Non-Department of Energy Funded Work)	M056 10/08/08
DOE M 481.1-1A Chg 1	09/28/01	Reimbursable Work for Non-Federal Sponsors Process Manual	
DOE O 482.1	01/12/01	DOE Facilities Technology Partnering Programs	
DOE M 483.1-1	01/12/01	DOE Cooperative Research and Development Agreements Manual	
DOE O 483.1	01/12/01	DOE Cooperative Research and Development Agreements	
DOE O 484.1	08/17/06	Reimbursable Work for Department of Homeland Security	A018 03/29/07
DOE O 522.1	11/03/04	Pricing of Departmental Materials and Services	
DOE O 534.1B	01/06/03	Accounting	
DOE O 544.1	10/12/04	Priorities and Allocations Program	
DOE O 551.1C	06/24/08	Official Foreign Travel	M056 10/08/08
DOE G 573.1-1	10/03/05	Mail Services Users Guide	A019 04/26/07
DOE O 580.1 Chg 1	05/08/08	Department of Energy Personal Property Management Program	M056 10/08/08
DOE O 1220.1A Chg 1	06/28/92	Congressional and Intergovernmental Affairs	
DOE O 1450.4	11/12/92	Consensual Listening-In to or Recording Telephone/Radio Conversations	
DOE O 5400.5 Chg 2	01/07/93	Radiation Protection of the Public and the Environment	
DOE O 5480.19 Chg 2	10/23/01	Conduct of Operations Requirements for DOE Facilities	
DOE O 5480.30 Chg 1	03/14/01	Nuclear Reactor Safety Design Criteria	

<b>DIRECTIVE NUMBER</b>	<b>DATE</b>	<b>DOE DIRECTIVE TITLE</b>	<b>Mod # Date</b>
DOE O 5610.2 Chg 1	09/02/86	Control of Weapon Data	
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 Chg 1	September 1997	Hazard Categorization and Accident Analysis Techniques for Compliance with DOE Order 5480.23 Nuclear Safety Analysis Reports	
DOE-STD-1183-2004	April 2004	Nuclear Safety Specialist Functional Area Qualification Standard	
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-3009-94, Change Notice 3	April 2002	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-3013-2004	April 2004	Stabilization, Packaging, and Storage of Plutonium-Bearing Materials	
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-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) Note: This document is not accessible to the public.	
56XB, Revision 2	02/27/04	Development and Production (D&P) Manual Note: This document is not accessible to the public.	
NA SD M 452.3-1	12/10/09	Defense Programs Business Requirements and Processes Manual	M133 06/11/10
NA-1 SD 226.1A	10/17/08	NNSA Line Oversight and Contractor Assurance System Supplemental Directive	M069 04/21/09
NA-10 WQAP Manual	03/30/09	NNSA Office of Defense Programs (NA-10) Weapon Quality Assurance Procedures Manual	M078 07/01/09
NAP-9A	01/31/05	SECON Implementation	



<b>DIRECTIVE NUMBER</b>	<b>DATE</b>	<b>DOE DIRECTIVE TITLE</b>	<b>Mod # Date</b>
NAP-14.1-C	05/02/08	NNSA Baseline Cyber Security Program	M062 01/15/09
NAP-14.2-C	05/02/08	NNSA Certification and Accreditation (C&A) Process for Information Systems	M062 01/15/09
NAP-14.3-B	05/02/08	Transmission of Restricted Data Over Secret Internet Protocol Router Network (SIPRNet)	M062 01/15/09
BOP-003.0404	07/28/04	Requests to Defense Contracting Audit Agency (DCAA) for Audit of M&O Contractor Subcontracts	
BOP-003.08	05/30/08	Management and Operating Contractor Business Meals and Light Refreshment	M046 06/11/08
NFPA 70E	2009 Edition	Standard for Electrical Safety in the Work Place	150 10/05/10