

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

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2. AMENDMENT/MODIFICATION NO. M078	3. EFFECTIVE DATE See Block 16 C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY U.S. Department of Energy National Nuclear Security Administration Manager, Los Alamos Site Office 3747 West Jemez Road Los Alamos, NM 87544		7. ADMINISTERED BY (If other than Item 6) CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, state, ZIP Code) Los Alamos National Security, LLC 4200 West Jemez Road Suite 400 Los Alamos, NM 87544		9A. AMENDMENT OF SOLICITATION NO.	9B. DATED (SEE ITEM 11)
CODE	FACILITY CODE	10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC52-06NA25396	10B. DATED (SEE ITEM 13) December 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 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.**

<input type="checkbox"/>	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.
<input type="checkbox"/>	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).
<input checked="" type="checkbox"/>	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)
<input type="checkbox"/>	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 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.

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) Rueben M. Rafferty, Office Director Prime Contract Management Office Los Alamos National Security, LLC		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Robert M. Poole Contracting Officer Los Alamos Site Office	
15B. CONTRACTOR/OFFEROR BY <u>Rueben M. Rafferty</u> (Signature of person authorized to sign)	15C. DATE SIGNED <u>7/1/09</u>	16B. UNITED STATES OF AMERICA BY <u>Robert M. Poole</u> (Signature of Contracting Officer)	16C. DATE SIGNED <u>7/1/2009</u>

Part III, Section J, Appendix G, *List of Applicable Directives*, is modified as follows and replaced with updated Section J, Appendix G, *List of Applicable Directives*, Attachment to this modification.

The following DOE Directives are added:

NUMBER	DATE	TITLE
DOE O 110.3A	01/25/07	Conference Management
DOE O 341.1A	10/18/07	Federal Employee Health Services
DOE O 413.3A Chg 1	11/17/08	Program and Project Management for the Acquisition of Capital Assets
DOE O 452.1D	04/14/09	Nuclear Explosive and Weapon Surety Program
DOE O 452.2D	04/14/09	Nuclear Explosive Safety
DOE M 452.2-1A	04/14/09	Nuclear Explosive Safety Manual
DOE M 452.2-2	04/14/09	Nuclear Explosive Safety Evaluation Processes
DOE O 452.6A	04/14/09	Nuclear Weapon Surety Interface with the Department of Defense
DOE N 456.1	01/05/09	The Safe Handling of Unbound Engineered Nanoparticles
DOE M 470.4-3A	11/05/08	Contractor Protective Force
DOE STD 5506-2007	April 2007	Preparation of Safety Basis Documents for Transuranic (TRU) Waste Facilities
NA-10 WQAP Manual	03/30/09	NNSA Office of Defense Programs (NA-10) Weapon Quality Assurance Procedures Manual
DOE O 142.2A	12/15/06	CHANGE SUBJECT LINE ONLY Voluntary Offer Safeguards Agreement and Additional Protocol With The International Atomic Energy Agency

The following DOE Directives are deleted in their entirety:

NUMBER	DATE	TITLE
DOE O 110.3	11/03/99	Conference Management
DOE O 341.1	12/01/03	Federal Employee Health Services
DOE O 413.3A	07/28/06	Program and Project Management for the Acquisition of Capital Assets
DOE O 452.1C	09-20-05	Nuclear Explosive and Weapon Surety Program
DOE O 452.2C	06/12/06	Nuclear Explosive Safety
DOE O 452.6	10/19/06	Nuclear Weapon Surety Interface with the Department of Defense
DOE M 470.4-3 Chg 1	03/07/06	Protective Force

PART III - SECTION J

APPENDIX G

July 1, 2009

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

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/cgi-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 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 P 141.1	05/02/01	Department of Energy Management of Cultural Resources	
DOE O 142.1	1/31/04	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 IAEA	M062 01/15/09
DOE O 142.3 Chg 1	02/28/08	Unclassified Foreign Visits and Assignment	M046 06/11/08
DOE O 144.1	01/16/09	Department of Energy American Indian Tribal Government Interactions and Policy	M069 04/21/09
DOE O 151.1C	11/02/15	Comprehensive Emergency Management System	A015 01/25/07

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	Mod # Date
DOE O 153.1	06/27/07	Departmental Radiological Emergency Response Assets	M033 01/09/08
DOE N 153.2	08/11/03	Connectivity to National Atmospheric Release Advisory Center (NARAC)	
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 Program	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 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 DOE Oversight Policy	M033 01/09/08
DOE M 231.1-1A Chg 2	09/09/04	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

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	Mod # Date
DOE O 350.1 Chg 1	05/08/98	Contractor Human Resources Management	A018 03/29/07
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 412.1A	04/21/05	Work Authorization System	A019 04/26/07
DOE O 413.1A	04/18/02	Management Control Program	
DOE O 413.2B	04/19/06	Laboratory Directed Research & 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	12/22/05	Facility Safety	A015 01/25/07
DOE G 420.1-1	03/28/00	Nonreactor Nuclear Safety Design Criteria and Explosives Safety Criteria Guide for use with DOE O 420.1, Facility Safety	
DOE O 420.2B	07/23/04	Safety of Accelerator Facilities	
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	A019 04/26/07
DOE O 425.1C	03/13/03	Startup and Restart of Nuclear Facilities	
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 433.1A	02/13/07	Maintenance Management Program for DOE Nuclear Facilities	A021 06/11/07
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	

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	Mod # Date
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 P 450.4	10/15/96	Safety Management System Policy	
DOE M 450.4-1	11/01/06	Integrated Safety Management Systems Manual	M056 10/08/08
DOE P 450.7	08/02/04	Environment, Safety and Health (ESH) Goals	
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 M 452.4-1A	03/11/04	Protection of Use Control Vulnerabilities and Designs	
DOE O 452.6A	04/14/09	Nuclear Weapon Surety Interface with the Department of Defense	M078 07/01/09
DOE N 456.1	01/05/09	The Safe Handling of Unbound Engineered Nanoparticles	M078 07/01/09
DOE P 456.1	09/15/05	Secretarial Policy Statement on Nanoscale Safety	M042 04/14/08
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 460.1B	04/04/03	Packaging and Transportation Safety	
DOE O 460.2A	12/22/04	Departmental Materials Transportation & Packaging Management	A019 04/26/07
DOE M 460.2-1A	06/04/08	Radioactive Material Transportation Practices Manual	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 P 470.1	05/08/01	Integrated Safeguards and Security Management (ISSM) Policy	
DOE O 470.2B	10/31/02	Independent Oversight and Performance Assurance Program	

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	Mod # Date
DOE O 470.3B	08/12/08	Graded Security Protection 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 470.4-2 Chg 1	03/07/06	Physical Protection	A015 01/25/07
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
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 OOU Information	
DOE O 475.1	12/10/04	Counterintelligence Program	A015 01/25/07
DOE M 475.1-1B	08/28/07	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-DOE 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 & Development Agreements Manual	
DOE O 483.1	01/12/01	DOE Cooperative Research & 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 Allocation Program	
DOE O 551.1C	06/24/08	Official Foreign Travel	M056 10/08/08

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	Mod # Date
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 & 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 & the Environment	
DOE O 5480.19 Chg 2	10/23/01	Conduct of Operations Requirements for DOE Facilities	
DOE O 5480.20A Chg 1	07/12/01	Personnel Selection, Qualification, and Training Requirements for DOE Nuclear Facilities	
DOE O 5480.30 Chg 1	03/14/01	Nuclear Reactor Safety Design Criteria	
DOE O 5610.2 Chg 1	08/01/80	Control of Weapon Data	
DOE O 5639.8A	07/23/93	Security of Foreign Intelligence Information and Sensitive Compartmented Information Facilities	
DOE O 5660.1B	05/26/94	Management of Nuclear Materials	
DOE O 5670.1A	01/15/92	Management and Control of Foreign Intelligence	
SEN-22-90	05/08/90	DOE Policy on Signatures of RCRA Permit Applications	
SEN-35-91	09/09/91	Nuclear Safety Policy	
DOE HDBK 1169-2003	December 2003	Nuclear Air Cleaning (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. DOE Nonreactor Nuclear Facility Safety Analysis Reports	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	

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	Mod # Date
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: Document not publically available.	
56XB, Revision 2	02/27/04	Development and Production Manual Note: Document not publically available.	
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-3	07/18/02	NNSA Environment, Safety and Health Management Process Guidance	
NAP-9A	01/31/05	SECON Implementation	
NAP-14.1C	05/02/08	NNSA Baseline Cyber Security Program	M062 01/15/09
NAP-14.2C	05/02/08	NNSA Certification and Accreditation Process for Information Systems	M062 01/15/09
NAP-14.3B	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