

COPY

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE  
DE-AC52-06NA25396

PAGE 1  
OF  
9 PAGES

2. AMENDMENT/MODIFICATION NO. <b>M033</b>	3. EFFECTIVE DATE <b>See Block 16 C</b>	4. REQUISITION/PURCHASE REQ. NO. <b>NA25396</b>	5. PROJECT NO. (If applicable)
3. ISSUED BY U.S. Department of Energy National Nuclear Security Administration Manager, Los Alamos Site Office 528 35 <sup>th</sup> Street 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)  <b>Los Alamos National Security, LLC 4200 West Jemez Road  Suite 400 Los Alamos, NM 87544</b>	9A. AMENDMENT OF SOLICITATION NO.
	9B. DATED (SEE ITEM 11)
CODE	FACILITY CODE
10A. MODIFICATION OF CONTRACT/ORDER NO. <b>DE-AC52-06NA25396</b>	
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.

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): <b>X Clause No. 1.103 Changes (December 2000)</b>

E. IMPORTANT: Contractor is not required to sign this document.

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 the DOE Orders and Directives in Part III, Section J, Appendix G. The Department of Energy hereby revises Section J, Appendix G as follows:

Continued On 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) <b>Rueben M. Rafferty Prime Contract Chief Los Alamos National Security, LLC</b>	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) <b>Caroline T. Crooks Contracting Officer Los Alamos Site Office</b>
15B. CONTRACTOR/OFFEROR BY <u><i>Rueben M. Rafferty</i></u> (Signature of person authorized to sign)	15C. DATE SIGNED <u>1/10/08</u>
16B. UNITED STATES OF AMERICA BY <u><i>Caroline T. Crooks</i></u> (Signature of Contracting Officer)	16C. DATE SIGNED <u>1/9/08</u>

COPY

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

**The following DOE Orders & Directives are added:**

NUMBER	DATE	TITLE
DOE O 142.2A	12/15/06	Safeguards Agreement and Protocol with the IAEA
DOE O 153.1	06/27/07	Departmental Radiological Emergency Response Assets
DOE N 206.4	06/29/07	Personal Identity Verification
DOE O 226.1A	07/31/07	Implementation of DOE Oversight Policy
DOE M 231.1-1A, Chg. 2	09/09/04	Environment, Safety, and Health Reporting Manual
DOE M 440.1-1A	01/09/06	DOE Explosives Safety Manual
DOE M 470.4-4, Chg. 1	06/29/07	Information Security
DOE M 475.1-1B	08/28/07	Identifying Classified Information Manual

**The following DOE Orders & Directives are deleted in their entirety:**

NUMBER	DATE	TITLE
APPH Chapter X, Rev 10	12/15/83	Accounting Practices & Procedures Handbook, Chapter X Product Cost Accounting
DOE O 142.2	01/07/04	Safeguards Agreement and Protocol with the IAEA
DOE O 151.1B	10/29/03	Comprehensive Emergency Management System
DOE M 200.1-1	03/15/97	Telecommunications Security Manual
DOE N 203.1	10/02/00	Software Quality Assurance
DOE N 205.2	11/01/99	Foreign National Access to DOE Cyber Systems
DOE N 205.3	11/23/99	Password Generation, Protection, and Use
DOE N 205.8	02/11/04	Cyber Security Requirements for Wireless Devices and Information Systems
DOE N 205.9	02/19/04	Certification and Accreditation Process for Information Systems including National Security Systems
DOE N 205.10	02/19/04	Cyber Security Requirements for Risk Management
DOE N 205.11	02/19/04	Security Requirements for Remote Access to DOE and Applicable Contractor Information Technology Systems
DOE N 206.3	11/22/05	Personal Identity Verification
DOE M 231.1-1A Chg. 1	09/09/04	Environment, Safety, and Health Reporting Manual
DOE O 414.1B	04/29/04	Quality Assurance
DOE O 420.1A	05/20/02	Facility Safety
DOE M 440.1-1, Rev 8	03/29/96	DOE Explosives Safety Manual
DOE O 440.1A	03/27/98	Worker Protection Management for DOE Federal and Contractor Employees
DOE O 440.2B	11/27/02	Aviation Management and Safety
DOE O 450.1, Chg. 1	01/24/05	Environmental Protection Program
DOE N 450.7	10/17/01	The Safe Handling, Transfer, and Receipt of Biological Etiologic Agents at DOE Facilities
DOE O 470.1, Chg. 1	06/21/96	Safeguards and Security Program
DOE M 470.1-1	10/02/02	Safeguard Security And Awareness Program
DOE O 470.4	08/26/05	Safeguards and Security Program
DOE M 470.4-4	0826/05	Information Security

NUMBER	DATE	TITLE
DOE O 471.2A	03/27/97	Information Security Program
DOE M 471.2-1B	01/06/99	Classified Matter Protection & Control Manual
DOE M 471.2-1C, Chg. 1	07/14/04	Classified Matter Protection & Control Manual
DOE O 471.4	03/17/04	Incidents of Security Concern
DOE M 472.1-1B	07/12/01	Personnel Security Program Manual
DOE O 472.1C	03/25/03	Personnel Security Activities
DOE O 473.1	12/23/02	Physical Protection Program
DOE M 473.1-1	12/23/02	Physical Protection Program Manual
DOE O 473.2	06/30/00	Protective Force Program
DOE M 473.2-1A	01/17/02	Firearms Qualification Courses Manual
DOE M 473.2-2, Chg. 1	12/20/01	Protective Force Program Manual
DOE N 473.9	07/08/04	Security Conditions
DOE O 474.1A	11/20/00	Control and Accountability of Nuclear Materials
DOE M 474.1-1B	06/13/03	Manual for Control and Accountability of Nuclear Materials
DOE M 474.1-2A	08/19/03	Nuclear Materials Management and Safeguards System Reporting and Data Submission Manual
DOE M 475.1-1A	02/26/01	Identifying Classified Information Manual
DOE N 481.1A	04/21/03	Reimbursable Work for Department of Homeland Security
DOE O 5530.1A	09/21/91	Accident Response Group
DOE O 5530.2	09/20/91	Nuclear Emergency Search Team
DOE O 5530.3, Chg. 1	04/10/92	Radiological Assistance Program
DOE O 5530.4	09/20/91	Aerial Measuring System
DOE O 5530.5, Chg. 1	12/21/92	Federal Radiological Monitoring & Assessment Center
DOE O 5670.3	09/04/92	Counterintelligence Program
NAP-14.1	09/12/03	NNSA Baseline Cyber Security Requirements
NAP-14.2	09/12/03	Baseline Cyber Security Requirements
NAP-14.3	09/12/03	NNSA Protection Profile and Security Target Requirements
NAP-14.4	09/12/03	Open Public Unrestricted Access Information Group Protection Profiles
NAP-14.5	09/12/03	Unclassified Protected Information Group Protection Profile
NAP-14.6	09/12/03	Unclassified Mandatory Protection Information Group Protection Profile
NAP-14.7	09/12/03	Confidential Non-Nuclear Weapons Data Information Group Protection Profile
NAP-14.8	09/12/03	Secret Restricted Non-Nuclear Weapons Data Information Group Protection Profile
NAP-14.9	09/12/03	Confidential Restricted Data, Sigmas 1 Through 13 Information Group Protection Profile
NAP-14.10	09/12/03	Secret Restricted Data, Sigmas 1 Through 13 Information Group Protection Profile
NAP-14.11	09/12/03	Secret Restricted Data, Sigmas 14 and 15 Information Group Protection Profile

<http://directives.goe.gov/cgi-bin/currentchecklist>

<http://www.directives.doe.gov/directives/globsearch-adv.html>

<http://www.nnsa.doe.gov/>

<http://www.eh.doe.gov/techstds/standards/standards.html>

<http://int.lanl.gov/orgs/pcm/directives.shtml>

The following table is the official conformed copy of Appendix G as of the date of this Modification. Please insert this page and remove all previous versions in Section J Appendix G of the Prime Contract.

### PART III - SECTION J

#### APPENDIX G

[Modified by Modification No. A009, A015, A018, A019, A021, A027, A033]

#### LIST OF APPLICABLE DIRECTIVES

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE
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 110.3	11/03/99	Conference Management
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
DOE O 142.2A	12/15/06	Safeguards Agreement and Protocol with the IAEA
DOE O 142.3	06/18/04	Unclassified Foreign Visits and Assignment
DOE O 151.1C	11/02/15	Comprehensive Emergency Management System
DOE O 153.1	06/27/07	Departmental Radiological Emergency Response Assets
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
DOE M 205.1-3	04/17/06	Telecommunications Security Manual
DOE M 205.1-4	03/08/07	National Security System Manual
DOE N 206.4	06/29/07	Personal Identity Verification
DOE O 210.2	06/12/06	DOE Corporate Operating Experience Program
DOE O 221.1	03/22/01	Reporting Fraud, Waste, and Abuse to the Office of Inspector General

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE
DOE O 221.2	03/22/01	Cooperation With The Office of Inspector General
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
DOE M 231.1-1A, Chg. 2	09/09/04	Environment, Safety, and Health Reporting Manual
DOE M 231.1-2	08/19/03	Occurrence Reporting and Processing of Operations Information
DOE O 241.1A, Chg 1	10/14/03	Scientific and Technical Information Management
DOE O 243.1	02/03/06	Records Management Program
DOE O 243.2	02/02/06	Vital Records
DOE O 251.1B	08/16/06	Departmental Directives Program
DOE M 251.1-1B	08/16/06	Departmental Directives Program Manual
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 341.1	12/01/03	Federal Employee Health Services
DOE O 350.1 Chg 1	05/08/98	Contractor Human Resources Management
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
DOE O 413.1A	04/18/02	Management Control Program
DOE O 413.2B	04/19/06	Laboratory Directed Research & Development
DOE O 413.3A	07/28/06	Program & Project Management for the Acquisition of Capital Assets
DOE M 413.3-1	03/28/03	Project Management for the Acquisition of Capital Assets
DOE O 414.1C	06/17/05	Quality Assurance
DOE O 420.1B	12/22/05	Facility Safety
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
DOE O 425.1C	03/13/03	Startup and Restart of Nuclear Facilities
DOE O 430.1B	09/24/03	Real Property Asset Management
DOE O 430.2A	04/15/02	Departmental Energy and Utilities Management
DOE O 433.1A	02/13/07	Maintenance Management Program for DOE Nuclear Facilities
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
DOE O 440.2B, Chg. 1	11/19/06	Aviation Management and Safety
DOE O 442.1A	06/06/01	Department Of Energy Employee Concerns Program

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE
DOE M 442.1-1	11/16/06	Differing Professional Opinions Manual for Technical Issues Involving Environment, Safety, and Health
DOE O 443.1	05/15/00	Protection of Human Subjects
DOE O 450.1, Chg. 3	01/15/03	Environmental Protection Program
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 O 452.1C	09/20/05	Nuclear Explosive and Weapon Surety Program
DOE O 452.2C	06/12/06	Safety of Nuclear Explosive Operations
DOE-STD-3015-2001	02/01	Nuclear Explosive Safety Study Process
DOE O 452.3	06/08/05	Management of the Department of Energy Nuclear Weapons Complex
DOE M 452.4-1A	03/11/04	Protection of Use Control Vulnerabilities and Designs
DOE O 452.4A	12/17/01	Security and Control of Nuclear Explosives and Nuclear Weapons
DOE O 452.6	10/19/06	Nuclear Weapon Surety Interface with the Department of Defense
DOE O 457.1	02/07/06	Nuclear Counter terrorism
DOE M 457.1-1	08/10/06	Control of Improvised Nuclear Device Information
DOE O 460.1B	04/04/03	Packaging and Transportation Safety
DOE O 460.2A	12/22/04	Departmental Materials Transportation & Packaging Management
DOE M 460.2-1	09/23/02	Radioactive Material Transportation Practices
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
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
DOE O 470.3A	11/29/05	Design basis Threat Policy (U)
DOE M 470.4-1, Chg. 1	03/07/06	Safeguards and Security Program Planning and Management
DOE M 470.4-2, Chg. 1	03/07/06	Physical Protection
DOE M 470.4-3, Chg. 1	03/07/06	Protective Force
DOE M 470.4-4, Chg. 1	06/29/07	Information Security
DOE M 470.4-5	08/26/05	Personnel Security
DOE M 470.4-6, Chg. 1	08/14/06	Nuclear Material Control and Accountability
DOE M 470.4-7	08/26/05	Safeguards and Security Program References
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 471.2-3A	07/11/02	Special Access Program Policies, Responsibilities, and Procedures
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
DOE M 475.1-1B	08/28/07	Identifying Classified Information

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE
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
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 551.1B	08/19/03	Official Foreign Travel
DOE G 573.1-1	10/03/05	Mail Services Users Guide
DOE O 580.1	12/07/05	Department of Energy Personal Property Management Program
DOE O 1220.1A, Chg.1	06/28/92	Congressional & Intergovernmental Affairs
DOE O 1230.2	04/08/92	American Indian Tribal Government Policy
DOE O 1450.4	11/12/92	Consensual Listening-In to or Recording Telephone/Radio Conversations
DOE-STD-3013-2004	April 2004	Stabilization, Packaging, and Storage of Plutonium-Bearing Materials
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-STD-1027-92, Change 1	9/97	Hazard Categorization and Accident Analysis Techniques for Compliance with DOE Order 5480.23 Nuclear Safety Analysis Reports

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE
DOE-STD-1183-2004	April 2004	Nuclear Safety Specialist Functional Area Qualification Standard
DOE-STD-3009-94, Change Notice 2	April 2002	Preparation Guide for U.S. DOE Nonreactor Nuclear Facility Safety Analysis Reports
DOE-STD-3011-2002	December 2002	Guidance for Preparation of Basis for Interim Operation (BIO) Documents
DOE-STD-3014-96	October 1996	Accident Analysis for Aircraft Crash into Hazardous Facilities
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	08/22/07	Development and Production Manual Note: This document is not accessible to the public.
NAP-3	07/18/02	NNSA Environment, Safety and Health Management Process Guidance
NAP-9A	01/31/05	SECON Implementation
NAP-14.1B	09/27/06	NNSA Cyber Security Program
NAP-14.2B	09/27/06	Baseline Cyber Security Requirements
NAP-14.3A	04/05/06	NNSA Protection Profile and Security Target Requirements
NAP-14.4A	04/05/06	Open Public Unrestricted Access Information Group Protection Profiles
NAP-14.5A	04/05/06	Unclassified Protected Information Group Protection Profile
NAP-14.6A	04/05/06	Unclassified Mandatory Protection Information Group Protection Profile
NAP-14.7A	04/05/06	Confidential/Secret Non-Nuclear Weapons Data Information Group Protection Profile
NAP-14.8A	04/05/06	Secret Restricted Non-Nuclear Weapons Data Information Group Protection Profile
NAP-14.9A	04/05/06	Confidential Restricted Data, Sigmas 1 Through 13 Information Group Protection Profile
NAP-14.10A	04/05/06	Secret Restricted Data, Sigmas 1 Through 13 and 15 Information Group Protection Profile
NAP-14.11A	04/05/06	Secret Restricted Data, Sigma 14 Information Group Protection Profile
NAP-14.12	04/05/06	NNSA Contingency Planning and Operations
NAP-14.13	04/05/06	Transmission of Restricted and Formerly Restricted Data Over the Secret Internet Protocol Router Network (SIPRNet)
NAP-14.14	08/09/06	Top Secret Information Group Protection Profile
NAP-14.15	08/09/06	Top Secret Restricted Data Information Group Protection Profile
NAP-14.16	08/09/06	Clearing, Sanitizing, and Destroying Information System Storage Media, Memory Devices, and Other Related Hardware
BOP-003.0404	07/28/04	Requests to Defense Contracting Audit Agency (DCAA) for Audit of M&O Contractor Subcontracts