AMENDMENT OF SOLICITATION/MODIFIC	1. CONTRACT ID CODE		PAGE OF PAGES			
		****			1 2	2
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. RE	QUISITION/PURCHASE REQ. NO.	5. PRO	DJECT NO. (If applicable	ile)
0241 6. ISSUED BY CODE	See Block 16C	7.45	AMMOTERED BY #6 # # #	2005		
•••	05003	7. AL	MINISTERED BY (If other than Item 6)	CODE	05003	
NNSA/Los Alamos Site Office U.S. Department of Energy NNSA/Los Alamos Site Office 3747 West Jemez Road Los Alamos NM 87544		U.S Los 374	A/Los Alamos Site Offi Department of Energy Alamos Site Office West Jemez Road Alamos NM 87544			
8. NAME AND ADDRESS OF CONTRACTOR (No., street	et, county, State and ZIP Code)	(x) 94	A. AMENDMENT OF SOLICITATION NO.			
LOS ALAMOS NATIONAL SECURITY Attn: STEVE K. SHOOK P.O. BOX 1663, MS P222 LOS ALAMOS NM 875450001	, LLC	x 10	B. DATED (SEE ITEM 11)  A. MODIFICATION OF CONTRACT/ORDER  E-AC52-06NA25396  B. DATED (SEE ITEM 13)	R NO.		
CODE 175252004	FACILITY CODE		·			
CODE 175252894	11. THIS ITEM ONLY APPLIES	1 1	.2/21/2005			
The above numbered solicitation is amended as set				tended,	is not extended.	
ORDER NO. IN ITEM 10A.			GES SET FORTH IN ITEM 14 ARE MADE IN  OMINISTRATIVE CHANGES (such as change)  Y OF FAR 43.103(b).			
C. THIS SUPPLEMENTAL AGREEME	NT IS ENTERED INTO PURSUANT	TO AUTHOR	RITY OF:			
X P.L. 95-91 and Other	Applicable Laws					
D. OTHER (Specify type of modification			***************************************			
E. IMPORTANT: Contractor X is not.	is required to sign this docume	ent and return	copies to the issu	ing office.		
14. DESCRIPTION OF AMENDMENT/MODIFICATION	(Organized by UCF section headin	gs, including	solicitation/contract subject matter where fea	sible.)		
The purpose of this modifica	ation is to modify	Prime	Contract Section J, Ap	pendi	x G, List of	E
Applicable Directives.						
See Page 2.						
	10005					
Period of Performance: 12/21	./2005 to 09/30/20.	18				
Except as provided herein, all terms and conditions of	he document referenced in Item 9A	or 10A, as he	retofore changed, remains unchanged and ir	full force a	and effect.	
15A. NAME AND TITLE OF SIGNER (Type or print)		16A.	NAME AND TITLE OF CONTRACTING OF	FICER (Ty)		
		Sh	eryl A. <del>Leeper</del> Cnes	no:	# 89/24/13	<b>&gt;</b>
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNI	ED 16B.	United States of AMERICA	لاسه	16C. DATE SIGN	
(Signature of person authorized to sign)		>	(Signature of Contracting Officer)		05/20/20	<u></u>

NSN 7540-01-152-8070 Previous edition unusable STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

Los Alamos National Security, LLC Contract No. DE-AC52-06NA25396 Modification No. 241 Page 2 of 2

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

The following DOE Directive is added:

NUMBER	DATE	TITLE
DOE O 420.1C	12/4/12	Facility Safety

The following DOE Directive is deleted in its entirety:

NUMBER	DATE	TITLE
DOE O 420.1B Change 1	04/19/10	Facility Safety

Los Alamos National Security, LLC Contract No. DE-AC52-06NA25396 Modification No. 241 Attachment 1 Page 1 of 7

## **PART III - SECTION J**

## **APPENDIX G**

## **September 26, 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 NOTE: 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,	02/15/00	Public Key Cryptography and Key	
Chapter 9		Management	
DOE O 205.1B Chg 1,	12/07/12	Department of Energy Cyber Security	229
Attachment 1 CRD		Program	05/13/13
		NOTE: Implementation as cited by	
		PCM-13-092 dated 4/12/13	
DOE M 205.1-3	04/17/06	Telecommunications Security Manual	A019 04/26/07
DOE O 206.1,	01/16/09	Department of Energy Privacy Program	M103
Attachment 1 CRD	01/10/09	Department of Energy Privacy Program	10/06/09
DOE N 206.4,	06/29/07	Personal Identity Verification	M033
Attachment 1 CRD	00/29/07	Personal identity verification	01/09/08
DOE O 210.2A,	04/08/11	DOE Corporate Operating Experience	183
Attachment 2 CRD	04/06/11	Program	02/06/12
Attachment 2 OND		NOTE: Implementation as cited by	02/00/12
		PCM-11-312 dated 11/17/11 and LASO	
		SO:26CK-397917 dated 11/21/11	
DOE O 221.1A,	04/19/08	Reporting Fraud, Waste, and Abuse to the	M056
Attachment 1 CRD		Office of Inspector General	10/08/08
DOE O 221.2A,	02/25/08	Cooperation With The Office of Inspector	M062
Attachment 1 CRD		General	01/15/09
DOE O 225.1B,	03/04/11	Accident Investigations	165
Attachment 1 CRD			05/27/11
DOE O 226.1B,	04/25/11	Implementation of Department of Energy	177
Attachment 1 CRD		Oversight Policy	10/03/11
DOE O 227.1,	08/30/11	Independent Oversight Program	183
Attachment 1, CRD			02/06/12
DOE O 231.1B Chg 1,	11/28/12	Environment, Safety, and Health Reporting	229
Attachment 1 CRD			05/13/13
DOE O 232.2,	08/30/11	Occurrence Reporting and Processing of	183
Attachment 1, CRD	40/40/40	Operations Information	02/06/12
DOE O 241.1B, Attachment 1 CRD	12/13/10	Scientific and Technical Information	177 10/03/11
DOE O 243.1A,	11/07/11	Management Records Management Program	192
Attachment 1 CRD	11/07/11	NOTE: Implementation as cited by	05/21/12
Attacriment 1 CND		PCM-12-042 dated 2/29/12	03/21/12
DOE O 243.2,	02/02/06	Vital Records	A021
Attachment 2 CRD	02, 02, 00	1.13. 1.0001.00	06/11/07
DOE O 251.1B,	08/16/06	Departmental Directives Program	A019
Attachment 1 CRD		,	04/26/07
DOE M 251.1-1B,	08/16/06	Departmental Directives Program Manual	A019
Attachment 1 CRD			04/26/07
DOE O 252.1A,	02/23/11	Technical Standards Program	165
Attachment 1 CRD			05/27/11
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
Attachment 1 CRD			07/01/09
DOE O 350.1 Chg 1,	05/08/98	Contractor Human Resource Management	A018
Attachment 1 CRD		Programs	03/29/07

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	Mod # Date
DOE O 350.2B, Attachment 1 CRD	06/06/11	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 NOTE: 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 NOTE: Implementation as cited by PCM-13-076 dated 3/29/13 and Field Office Letter SO:40CK-513103 dated 5/31/13.	241 9/26/13
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 440.2B Chg 1, Attachment 2 CRD	11/19/06	Aviation Management and Safety	A019 04/26/07
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,	07/29/11	Differing Professional Opinions for Technical	183
Attachment 1 CRD		Issues Involving Environment, Safety, and Health	02/06/12
DOE O 443.1B,	03/17/11	Protection of Human Research Subjects	177
Attachment 1 CRD			10/03/11
DOE O 452.1D,	04/14/09	Nuclear Explosive and Weapon Surety	M078
Attachment 1 CRD		Program	07/01/09
DOE O 452.2D,	04/14/09	Nuclear Explosive Safety	M078
Attachment 1 CRD			07/01/09
DOE M 452.2-1A,	04/14/09	Nuclear Explosive Safety Manual	M078
Attachment 1 CRD			07/01/09
DOE M 452.2-2,	04/14/09	Nuclear Explosive Safety Evaluation	M078
Attachment 1 CRD		Processes	07/01/09
DOE O 452.3,	06/08/05	Management of the Department of Energy	A021
Attachment 2 CRD		Nuclear Weapons Complex	06/11/07
DOE O 452.4A,	12/17/01	Security and Control of Nuclear Explosives	
Attachment 1 CRD		and Nuclear Weapons	
DOE O 452.6A,	04/14/09	Nuclear Weapon Surety Interface with the	M078
Attachment 1 CRD		Department of Defense	07/01/09
DOE O 452.7,	05/14/10	Protection of Use Control Vulnerabilities and	150
Attachment 1 CRD		Designs	10/05/10
DOE O 452.8,	07/21/11	Control of Nuclear Weapon Data	183
Attachment 1 CRD		·	02/06/12
DOE O 456.1,	05/31/11	The Safe Handling of Unbound Engineered	177
Attachment 1 CRD		Nanoparticles	10/03/11
DOE O 457.1,	02/07/06	Nuclear Counterterrorism	A019
Attachment 2 CRD			04/26/07
DOE M 457.1-1,	08/10/06	Control of Improvised Nuclear Device	A019
Attachment 2 CRD		Information	04/26/07
DOE O 458.1 Chg 2,	06/06/11	Radiation Protection of the Public and the	177
Attachment 1 CRD		Environment	10/03/11
		NOTE: Implementation as cited by LASO	
		BA:30RP-407384 dated 1/5/12 and	
DOE O 460.1C,	05/14/10	PCM-12-028 dated 2/9/12	150
Attachment 1 CRD	05/14/10	Packaging and Transportation Safety	10/5/10
DOE O 460.2A,	12/22/04	Departmental Materials Transportation and	A019
Attachment 2 CRD	12,22,07	Packaging Management	04/26/07
DOE M 460.2-1A,	06/04/08	Radioactive Material Transportation	M056
Attachment 1 CRD	00,01,00	Practices Manual For Use With DOE O	10/08/08
, macrimont i one		460.2A	. 5, 55, 55
DOE O 461.1B,	12/20/10	Packaging and Transportation for Offsite	165
Attachment 1 CRD		Shipment of Materials of National Security	05/27/11
<del></del>		Interest	
DOE O 461.2,	10/31/10	Onsite Packaging and Transfer of Materials	165
Attachment 1 CRD		of National Security Interest	05/27/11
DOE O 462.1,	11/10/08	Import and Export of Category 1 and 2	M069
Attachment 1 CRD		Radioactive Sources and Aggregated	04/21/09
		Quantities	
DOE O 470.3B	08/12/08	Graded Security Protection (GSP) Policy	M062
			01/15/09

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE	Mod # Date
DOE M 470.4-1 Chg 1,	03/07/06	Safeguards and Security Program Planning	A015
Attachment 2 CRD		and Management	01/25/07
DOE M 470.4-3A,	11/05/08	Contractor Protective Force	M078
Attachment 1 CRD			07/01/09
DOE M 470.4-6 Chg 1,	08/14/06	Nuclear Material Control and Accountability	A015
Attachment 2 CRD			01/25/07
DOE O 471.1B,	03/01/10	Identification and Protection of Unclassified	177
Attachment 1 CRD	0.4/0.0/0.0	Controlled Nuclear Information	10/03/11
DOE O 471.3,	04/09/03	Identifying and Protecting Official Use Only	
Attachment 1 CRD	0.4/00/00	Information	
DOE M 471.3-1,	04/09/03	Manual for Identifying and Protecting Official	
Attachment 1 CRD	00/00/44	Use Only Information	477
DOE O 471.5,	03/29/11	Special Access Programs	177
Attachment 1 CRD	07/21/11	Description of Constitution	10/03/11 177
DOE O 472.2, Attachment 2 CRD	07/21/11	Personnel Security	10/03/11
DOE O 475.1,	12/10/04	Counterintelligence Program	A015
Attachment 2 CRD	12/10/04	Countennelingence Program	01/25/07
DOE O 475.2A,	02/01/11	Identifying Classified Information	177
Attachment 1 CRD	02/01/11	identifying Classified Information	10/03/11
DOE M 481.1-1A Chg 1	09/28/01	Reimbursable Work for Non-Federal	10/03/11
DOE WI 401.1-1A ONG 1	03/20/01	Sponsors Process Manual	
DOE O 483.1,	01/12/01	DOE Cooperative Research and	
Attachment 1 CRD	01/12/01	Development Agreements	
DOE M 483.1-1	01/12/01	DOE Cooperative Research and	
	0 .,, 0 .	Development Agreements Manual	
DOE O 484.1,	08/17/06	Reimbursable Work for Department of	A018
Attachment 2 CRD		Homeland Security	03/29/07
DOE O 522.1,	11/03/04	Pricing of Departmental Materials and	
Attachment 2 CRD		Services	
DOE O 534.1B,	01/06/03	Accounting	
Attachment 1 CRD			
DOE O 551.1D,	04/02/12	Official Foreign Travel	192
Attachment 1 CRD			05/21/12
DOE O 580.1 Chg 1,	05/08/08	Department of Energy Personal Property	M056
Attachment 2 CRD		Management Program	10/08/08
		NOTE: Implementation as cited by	
7050540050	0.4.10=10.0	PCM-13-043 dated 3/04/13	
DOE O 5400.5 Chg 2	01/07/93	Radiation Protection of the Public and the	
		Environment	
		<b>NOTE</b> : Removal contingent upon full implementation 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	
DOL 0 3009.0A	01/20/30	and Sensitive Compartmented Information	
		Facilities	
DOE O 5670.1A	01/15/92	Management and Control of Foreign	
1		Intelligence	

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  NOTE: 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) NOTE: 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  NOTE: Implementation as cited by PCM-12-083 dated 4/25/12	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 NOTE: Include RMI Chapters R002, R007, R008, R010 per LASO approval 9/22/11 (Mod 177), RMI Chapter R016 per LASO approval 6/12/12, and RMI Chapter R018 per LASO approval 7/23/12 (Mod 196)	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 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	2009 Edition	Standard for Electrical Safety in the Work Place	150 10/05/10