AMENDME	ENT OF SOLICITATION/MODIFICA	ATION OF CONTRACT		CONTRACT ID CODE		PAGE OF PAGES	
2. AMENDME	NT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQ	UISITION/PURCHASE REQ. NO.		NO. (If applicable)	
0097		See Block 16C					
6. ISSUED BY	CODE	892332	7. ADN	MINISTERED BY (If other than Item 6)	CODE 05	005	
NNSA M&	O Contracting Branch		NNSA	A Sandia Field OFC			
NA-APM-			NA-0	00-SN			
_	rque Complex	l l	dia Field Office (MS	3184)			
P.O. Bo				Box 5400	_		
Albuerq	ue NM 87185-5400		Albı	iquerque NM 87185-540)		
8. NAME AND	ADDRESS OF CONTRACTOR (No., street,	county, State and ZIP Code)	(x) 9A.	AMENDMENT OF SOLICITATION NO.			
National Ted	chnology & Engineering Solutions	s of Sandia, LLC					
Attn: Kelly V	Vestlake		9B.	DATED (SEE ITEM 11)			
515 EUBA	NK BLVD. SE						
O. BOX 5	800, MS-0180, 87185-0180		104	. MODIFICATION OF CONTRACT/ORDE	R NO.		
LBUQUER	RQUE NM 871850180		X DE	. MODIFICATION OF CONTRACT/ORDE -NA0003525			
			10E	. DATED (SEE ITEM 13)			
CODE 00	7113228	FACILITY CODE		2/16/2016			
		11. THIS ITEM ONLY APPLIES	TO AMENDM	ENTS OF SOLICITATIONS			
Offers must Items 8 and separate let	tter or electronic communication which incl	rior to the hour and date specified in pies of the amendment; (b) By acknoudes a reference to the solicitation and	the solicitation the solicitation that is the	on or as amended, by one of the following eipt of this amendment on each copy of the nt numbers. FAILURE OF YOUR ACKNO	e offer submitted ; DWLEDGEMENT T	ompleting or (c) By O BE	
	AT THE PLACE DESIGNATED FOR THE						
	by virtue of this amendment you desire to our electronic communication makes referer		_				
	TING AND APPROPRIATION DATA (If requ						
See Sch	edule						
	13. THIS ITEM ONLY APPLIES TO M	ODIFICATION OF CONTRACTS/ORI	DERS. IT MO	DIFIES THE CONTRACT/ORDER NO. AS	DESCRIBED IN IT	EM 14.	
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED F ORDER NO. IN ITEM 10A.	PURSUANT TO: (Specify authority)	THE CHANG	ES SET FORTH IN ITEM 14 ARE MADE I	N THE CONTRAC	Т	
	B. THE ABOVE NUMBERED CONTRAC appropriation data, etc.) SET FORTH	CT/ORDER IS MODIFIED TO REFLE IN ITEM 14, PURSUANT TO THE A	ECT THE ADI	MINISTRATIVE CHANGES (such as chang OF FAR 43.103(b).	es in paying office	,	
X	C. THIS SUPPLEMENTAL AGREEMENT DEAR 970.5204-2 Laws, Reg			YOF: (Deviation); DEAR 952.215	-70, Key Per	csonnel	
	D. OTHER (Specify type of modification	and authority)					
E. IMPORTAN	 T: Contractor ∑is not	is required to sign this documen	t and return	copies to the iss	suing office.		
14. DESCRIP	TION OF AMENDMENT/MODIFICATION (Organized by UCF section headings	s, including s	olicitation/contract subject matter where fe	asible.)		
Jpdate 1	the annual ceiling fo	r the Board of Man	ager u	nder Section H clause	H-33; and	d replace	
	rety Appendix B, List						
	endix D, Key Personne			=			
Payment	_	i (accacimicire 2):	occ pa	ge 2 for more accurre	a information	21011.	
_		/2017 +- 04/20/202	2				
rerioa (of Performance: 01/18	/201/ 60 04/30/202	2				
Except as pro	ovided herein, all terms and conditions of th	e document referenced in Item 9 A o	or 10A, as he	etofore changed, remains unchanged and	in full force and ef	řect.	
	ND TITLE OF SIGNER (Type or print)			NAME AND TITLE OF CONTRACTING O			
	Westlake, Senior Manager, Prime Contract						
	nal Technology & Engineering Solutions of			ia D. Trujillo			
	ACTOR/OFFEROR	15C. DATE SIGNED	D 16B. U	JNITED STATES OF AMERICA		16C. DATE SIGNED	
Kelly		ally signed by Kelly E. Westlake 2020.09.15 12:45:35 06'00'		<i>}</i>			
	(Signature of person authorized to sign)			(Signature of Contracting Officer)			

1. Replace Section H, clause H-33, ADVANCE UNDERSTANDING REGARDING ADDITIONAL ITEMS OF ALLOWABLE AND UNALLOWABLE COSTS AND OTHER MATTERS, (a) ITEMS OF ALLOWABLE COSTS, paragraph (2) and the associated table as follows:

From:

(2) Board of Managers Costs, consistent with Appendix A, subsection 3.3, Parent Organization(s), paragraphs (iv – vi). Annually the contractor shall submit to the Contracting Officer a request for approval of the BOM costs for the upcoming fiscal year NLT July 1st, this request will establish a not-to-exceed ceiling and will be captured below. The established cost ceiling set forth below shall not be exceeded without prior Contracting Officer approval. Costs may be reviewed at any time. In addition, the Contractor shall implement a tracking process, acceptable to the Contracting Officer, providing sufficient detail for reasonable accountability of these costs.

Contract Period	Cost Ceiling	Mod #
May 1, 2017 – September 30, 2017	\$ 38,500	M0018
FY2018	\$ 390,000	M0026
FY2019	\$ 390,000	M0050
FY2020	\$ 390,000	M0073
FY2021		
FY2022		

To:

- (2) Board of Managers Costs, consistent with Appendix A, subsection 3.3, Parent Organization(s), paragraphs (iv-vi), up to a not-to-exceed ceiling of \$390,000 annually (\$38,500 between May 1, 2017 and September 30, 2017). The established cost ceiling shall not be exceeded without prior Contracting Officer approval, and may be revised when requested by the Contractor and/or determined appropriate by the Contracting Officer (i.e., changes in the number of committees, members, meetings, etc.). The Contractor shall implement a tracking process, acceptable to the Contracting Officer, providing sufficient detail for reasonable accountability of these costs. Costs may be reviewed at any time
- 2. Replace Appendix B, *List of Applicable Directive and NNSA Policy Letters* in its entirety with Attachment 1.
- 3. Replace Appendix D, Key Personnel, in its entirety with Attachment 2.
- 4. All other terms and conditions remained unchanged.

Part III - Section J APPENDIX B List of Applicable Directives and NNSA Policy Letters

In addition to the list of applicable directives referenced 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 referenced below. The Contractor shall comply with the Operating Requirements identified in Appendix B.

Number	Date	Title	Mod #
APPH Chapter X	9/08/98	Accounting Practices & Procedures Handbook (APPH)	Award
Revision 10		Chapter X – Product Cost Accounting	
DOE O 130.1	9/29/95	Budget Formulations	Award
		Interface with the Defense Nuclear Facilities Safety	Award
DOE O 140.1A	6/15/20	Board	M0050
			M0097
DOE O 142.2A,	6/27/13	Voluntary Offer Safeguards Agreement and Additional	Award
Admin Chg. 1	0/2//15	Protocol with the International Atomic Energy Agency	11// 6/16/
DOE M 142.2-1,	6/07/10	Manual for the Implementation of the Voluntary Offer	
Admin Chg. 1	6/27/13	Safeguards Agreement and Additional Protocol with the	Award
		International Atomic Energy Agency	
DOE O 142.3A,	12/12/10	TT 1 'C 1E ' Y''' 1A ' ' D	Award
Chg 2 (LtdChg)	12/13/19	Unclassified Foreign Visits and Assignments Program	M0018
		Department of Forest American Indian Tribal	M0085
DOE O 144.1	11/6/09	Department of Energy American Indian Tribal	Award
Admin Chg. 1	3/31/14	Government Interactions and Policy	Avvond
DOE O 150.1A	3/31/14	Continuity Programs	Award
DOE O 151.1D,	10/4/19	Comprehensive Emergency Management System ¹	Award
Chg 1 (Min Chg)	6/27/07		M0082
DOE O 153.1	6/27/07	Departmental Radiological Emergency Response Assets	Award
DOE O 200.1A	12/23/08	Information Technology Management	Award
DOE O 205.1C	5/15/19	Department of Energy Cybersecurity Program ²	M0072
NA SD 205.1	7/6/17	Baseline Cybersecurity Program	M0032
DOE M 205.1-3,	12/20/12	Telecommunications Security Manual ³	Award
Admin Chg. 1	12,20,12		
DOE O 206.1,	11/01/18	Department of Energy Privacy Program	Award M0063
Chg 1		3 6	
NA SD 206.1	06/22/18	Privacy Program	M0050
DOE O 206.2	2/19/13	Identity, Credential, and Access Management (ICAM)	Award

¹ Full implementation will be achieved by December 24, 2021, in accordance with the NNSA-approved implementation plan.

²SNL will evaluate NNSA Cyber Security Program Plan releases to ensure referenced requirements are adequately addressed.

³ Refer to memorandum from NNSA/HQ/NA-IM-10, Subject: *Cable-confined Testing and Transmitter Review Forms (TRF)*, dated 4/25/12, for clarification to TRF completion Requirements.

Number	Date	Title	Mod #
NA SD 206.2	4/14/18	Implementation of Personal Identity Verification for	M0063
DOE O 210.2A	4/08/11	Uncleared Contractors ⁴ DOE Corporate Operating Experience Program	Award
NAP 220.1	06/19/18	Internal Affairs Program	M0050
NAF 220.1	00/19/18	Reporting Fraud, Waste, and Abuse to the Office of	100000
DOE O 221.1B	9/27/16	Inspector General	Award
DOE O 221.2A	2/25/08	Cooperation With the Office of Inspector General	Award
DOE O 225.1B	3/04/11	Accident Investigations	Award
DOE O 226.1B	4/25/11	Implementation of Department of Energy Oversight Policy	Award
NNSA SD	10/1/19	NNSA Site Governance	M0008
226.1C			M0085
DOE O 227.1A	12/21/15	Independent Oversight Program	Award
DOE O 231.1B,	11/28/12	Environment, Safety and Health Reporting	Award
Admin Chg. 1	11/20/12	Environment, Surety and Health Reporting	
DOE O 232.2A	10/4/40	Occurrence Reporting and Processing of Operations	Award
Chg 1 (MinChg)	10/4/19	Information	M0026
			M0082
DOE O 241.1B Chg. 1	4/26/16	Scientific and Technical Information Management	Award
DOE O 243.1B,			
Admin Chg. 1	7/8/13	Records Management Program	Award
NA SD 251.1A	01/17/18	Directives Management	M0050
DOE O 252.1A,			
Admin Chg. 1	3/12/13	Technical Standards Program	Award
DOE O 313.1	11/19/09	Management and Funding of the Department's Overseas Presence	Award
NA SD O 350.1	2/5/00	Management and Operating Contractor Service Credit	Award
NA SD O 350.1	2/5/09	Recognition	M0008
NAP 401.1	11/24/15	Weapon Quality Policy (renumbered from NAP 24A in M0057)	Award
DOE O 410.2,	4/10/14		A 1
Admin Chg. 1	4/10/14	Management of Nuclear Materials	Award
DOE O 411.2	1/4/17	Scientific Integrity	M0018
NAP-412.1	2/11/19	Financial Integration	M0072
DOE O 412.1A,	5/21/14	Work Authorization System	Award
Admin Chg. 1	3/21/14	Work Authorization System	Award
DOE O 413.1B	10/28/08	Internal Control Program	Award
NAP-413.1	6/3/19	Data Collection for Cost Estimating	M0057
DOE O 413.2C,	8/2/18	Laboratory Directed Research and Development	Award
Change 1	0,2,10	Laboratory Directed Research and Development	M0050

 4 Full implementation will be achieved by December 2025 in accordance with the NNSA-approved implementation plan.

Number	Date	Title	Mod #
DOE O 413.3B, Chg. 5	4/12/18	Program and Project Management for the Acquisition of Capital Assets ⁵	M0018 M0032 M0050
DOE O 414.1D, Admin Chg.1	5/8/13	Quality Assurance	Award
DOE O 415.1, Chg 2	1/13/17	Information Technology Project Management	M0018
NA SD 415.1	9/3/14	Project Oversight for Information Technology	Award
DOE O 420.1C, Chg. 3 (LtdChg)	11/14/19	Facility Safety ⁶	Award M0063 M0082
DOE O 420.2C	7/21/11	Safety of Accelerator Facilities	Award
DOE O 422.1, Chg 3 (Min Chg)	10/4/19	Conduct of Operations	Award M0082
DOE O 425.1D, Chg 2 (Min Chg)	10/4/19	Verification of Readiness to Start up or Restart Nuclear Facilities	Award M0082
DOE O 426.2 Admin Chg. 1	7/29/13	Personnel Selection, Training, Qualification, and Certification Requirements for DOE Nuclear Facilities	Award
NNSA SD 430.1	1/18/17	Real Property Asset Management	M0018
DOE O 433.1B, Admin Chg. 1	3/12/13	Maintenance Management Program for DOE Nuclear Facilities	Award
DOE N 435.1	8/9/11	Contact-Handled and Remote-Handled Transuranic Waste Packaging	Award
DOE O 435.1, Chg. 1	8/28/01	Radioactive Waste Management	Award
DOE O 436.1	5/2/11	Departmental Sustainability ⁷	Award
DOE O 440.2C, Admin Chg. 1	6/22/11	Aviation Management and Safety	Award
DOE M 441.1-1 Admin Chg. 1	2/24/16	Nuclear Material Packaging ⁸	Award
DOE O 442.1B	1/31/19	Department of Energy Employee Concerns Program	M0072
DOE O 442.2, Chg 1 (Pg Chg)	10/5/16	Differing Professional Opinions for Technical Issues Involving Environment, Safety, and Health	Award
DOE N 443.1	1/21/16	Protection of Human Research Subjects in Classified Research	Award
DOE O 443.1C	11/26/19	Protection of Human Research Subjects	Award M0085

 ⁵ The annual Value Management/Engineering progress report required by paragraph 10. of the CRD shall be submitted to Program Offices through the SFO.
 ⁶ Full implementation will be achieved in accordance with the NNSA-approved implementation plan.

All references to "14001:2004" shall be replaced with "14001:2015".
 Material acquired subject to DOE M 441.1-1 must have an approved container for storage, or must have a NNSA-approved plan to develop a container to comply with the requirements, when it comes on site.

Number	Date	Title	Mod #
DOE O 452.1E	1/26/15	Nuclear Explosive and Weapon Surety Program ⁹	Award
DOE O 452.2E	1/26/15	Nuclear Explosive Safety	Award
NA SD 452.2A	10/20/17	Nuclear Explosive Safety Evaluation Process	Award M0032
DOE O 452.3	6/8/05	Management of the Department of Energy Nuclear Weapons Complex	Award
NNSA SD 452.3- 1A	2/25/16	Defense Programs Business Process System ¹⁰	Award
NNSA SD 452.3- 2	1/19/17	Phase 6.X Process	M0018
DOE O 452.4C	8/28/15	Security and Use Control of Nuclear Explosives and Nuclear Weapons	Award
DOE O 452.6A	4/14/09	Nuclear Weapon Surety Interface with the Department of Defense	Award
DOE O 452.7, Chg 1	5/29/20	Protection of Use Control Vulnerabilities and Designs	Award M0093
DOE O 452.8	7/21/11	Control of Nuclear Weapons Data	Award
DOE O 456.1A	7/15/16	The Safe Handling of Unbound Engineered Nanoparticles	Award
DOE O 457.1A	8/26/13	Nuclear Counterterrorism	Award
DOE O 458.1, Admin Chg. 3	1/15/13	Radiation Protection of the Public and the Environment	Award
DOE O 460.1D	12/20/16	Hazardous Materials Packaging and Transportation Safety	M0018
DOE O 460.2A	12/22/04	Departmental Materials Transportation & Packaging Management	Award
DOE M 460.2-1A	6/04/08	Radioactive Material Transportation Practices Manual	Award
DOE O 461.1C,	10/4/19	Packaging and Transportation for Offsite Shipment of	Award
Chg. 1 (Min Chg)	10/7/1/	Materials of National Security Interest	M0085
DOE O 461.2	11/1/10	Onsite Packaging and Transfer of Materials of National Security Interest	Award
DOE O 462.1, Admin Chg. 1	7/10/13	Import and Export of Category 1 and 2 Radioactive Sources and Aggregated Quantities	Award
DOE O 470.3C	11/23/16	Design Basis Threat (DBT) ¹¹	Award M0043

 ⁹ Clarification to CRD, Item 7c: Concepts for features are to be developed for consideration.
 ¹⁰ Changes will be processed as described in Section H, clause H-14(c). CRD Item 6 is achieved through the M&O Contractor Working Group.

¹¹ Will be implemented in accordance with the NNSA enterprise implementation plan. NTESS will coordinate with NNSA when requirements cannot be implemented within existing resources.

Number	Date	Title	Mod #
DOE O 470.4B, Admin Chg. 2	1/17/17	Safeguards and Security Program ¹²	M0018
ACD 470.6	7/15/19	Use of Mobile Devices within National Nuclear Security Administration Secure Spaces 13	M0082
DOE O 470.6, Chg 1	1/11/17	Technical Security Program ¹⁴	Award M0032
NA SD 470.4-2	06/23/18	Enterprise Safeguards and Security Planning and Analysis Program ¹⁵	M0050
DOE M 470.4-4A	10/12/10	Information Security Manual ¹⁶	Award
DOE O 471.1B	3/1/10	Identification and Protection of Unclassified Controlled Nuclear Information	Award
DOE O 471.3, Admin Chg. 1	1/13/11	Identifying and Protecting Official Use Only Information	Award
DOE M 471.3-1, Admin Chg.1	1/13/11	Manual for Identifying and Protecting Official Use Only Information	Award
DOE O 471.5	3/29/11	Special Access Program	Award
DOE O 471.6, Admin Chg 3	9/12/19	Information Security ¹⁷	Award M0057
NA SD 471.6	12/9/19	Operations Security Program ¹⁸	M0085
DOE O 472.2, Chg. 1	7/9/14	Personnel Security	Award
DOE O 473.3A, Chg. 1	1/2/18	Protection Program Operations	Award M0043
NNSA SD 473.3	9/10/14	Enterprise Mission Essential Task List-Based Protective Force Training Program	M0008
DOE O 474.2, Admin Chg. 4	9/13/16	Nuclear Material Control and Accountability	Award
DOE O 475.1	12/10/04	Counterintelligence Program	Award
DOE O 475.2B	10/3/14	Identifying Classified Information	Award
NAP 476.1, Admin Chg. 1	2/9/15	Atomic Energy Act Control of Import and Export Activities (renumbered from NAP 23 in M0057)	Award
DOE O 483.1B, Chg. 2 (LtdChg)	12/13/19	DOE Cooperative Research and Development Agreements	M0072 M0085

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¹² Full implementation will be achieved in accordance with an approved implementation plan dated 01/09/2020. DD254 or DOE F 470.1 shall be provided to SFO for new classified SPP activity. Notification to update the form shall also be provided through the lifecycle of the activity.

¹³ Full implementation will be achieved in accordance with the approved implementation plan by 09/01/2020.

¹⁴ Full implementation will be achieved in accordance with an approved implementation plan dated 12/18/19.

¹⁵ Will be implemented IAW the NNSA enterprise implementation plan. NTESS will coordinate with NNSA when requirements cannot be implemented within existing resources.

¹⁶ DOE O 471.6, Admin Chg. 1, dated 06/20/2011, replaced DOE M 470.4-4A, except Section D and the classified Technical Surveillance Countermeasures Annex.

¹⁷ Implementation of the "marking of documents in electronic environment requirements" listed in the CRD will be achieved in accordance with an approved implementation plan by 07/2020.

¹⁸ Full implementation will be achieved in accordance with an approved implementation plan.

Number	Date	Title	Mod #
DOE O 484.1 Admin Chg. 2	6/30/14	Reimbursable Work for the Department of Homeland Security	Award
DOE O 486.1	6/7/19	Department of Energy Foreign Government Talent Recruitment Programs	M0072
DOE O 522.1A	8/2/18	Pricing of Departmental Materials and Services	Award M0050
DOE O 534.1B	1/6/03	Accounting	Award
NAP 540.2	11/22/16	NNSA M&O Off-Site Extended Duty Assignments (renumbered from NAP 31 in M0057)	M0008
DOE O 550.1, Chg. 1 (LtdChg)	12/13/19	Official Travel	Award M0085
DOE O 5480.30, Chg. 1	3/14/01	Nuclear Reactor Safety Design Criteria	Award
DOE O 5639.8A	7/23/93	Security of Foreign Intelligence Information and Sensitive Compartmented Information Facilities	Award
QP 100-1	3/1/13	Quality Requirements to UK and US Procurement Contracts and Loan Authorizations for Research, Design, and Development	Award
NA SD 56XB, Rev. 2	5/10/04	Nuclear Weapon Development and Production ¹⁹	M0008
Nevada Field Office (NSO) Order 410.X1	10/9/13	Nevada National Security Site and North Las Vegas Facilities General Use and Operations Requirements	M0018
NFO O 412.X1, ICN 6/9/19	6/27/16	Real Estate Operations Permit	M0018 M0057
NFO O 421.X1, Revision 1	4/18/17	Nuclear Facility Safety Management	M0018
NSO M 450.X2-1	5/30/07	Underground Nuclear Testing, Test Readiness, and Threshold Test Ban Treaty, Verification	M0018
NSO O 450.X5B	9/20/12	Subcritical Experiments	M0018

¹⁹ Changes will be processed as described in Section H, clause H-14(c).

SECTION J

APPENDIX D, Key Personnel

Title	Name	Effective
Laboratories Director	Dr. James S. Peery	01/01/2020
Deputy Laboratories Director	D.E. "Dori" Ellis	06/28/2019
Nuclear Deterrence Associate Laboratories Director	Dr. Steven P. Girrens	05/01/2017
Defense Nuclear Nonproliferation Associate Laboratories Director	Douglas Bruder	05/01/2017
Advanced Science & Technology Associate Laboratories Director	Dr. Susan J. Seestrom	05/01/2017
Integrated Security Solutions Associate Laboratories Director	Dr. Andrew McIlroy	09/06/2019
National Security Programs Associate Laboratories Director	Michael J. Burns	05/01/2017
Infrastructure Operations Associate Laboratories Director	Harold Yeldell	09/21/2020
Mission Assurance Associate Laboratories Director	John Zepper1 ¹ (acting)	09/25/2020
Mission Services Associate Laboratories Director	Scott L. Aeilts	05/01/2017

¹ The service requirement in clause Section B-4 *Key Personnel Replacement* is not applicable to this acting position until this position is permanently filled. All other applicable Contract terms and conditions, including but not limited to DEAR 952.215-70, apply to this acting position.