

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT	1. CONTRACT ID CODE	PAGE 1 OF 1 PAGES
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2. AMENDMENT/MODIFICATION NO. 0082	3. EFFECTIVE DATE See Block 16C.	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
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6. ISSUED BY U.S. Department of Energy National Nuclear Security Administration Sandia Field Office P.O. Box 5400, MS 0184 Albuquerque, NM 87185-5400	7. ADMINISTERED BY (If other than Item 6) CODE
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, state, ZIP Code) National Technology & Engineering Solutions of Sandia, LLC 1515 Eubank Blvd SE Albuquerque, New Mexico 87123-3453	9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-NA0003525 10B. DATED (SEE ITEM 13) 12/16/2016
CODE _____ 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 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.

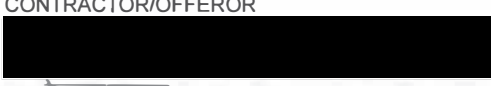
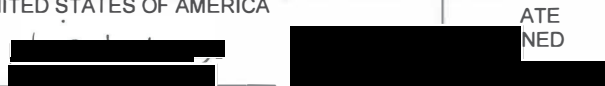

IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

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: DEAR 952.215-70 Key Personnel and 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.)

Replace Appendix B, List of Applicable Directives and NNSA Policy Letters (see attachment 1) and Appendix D, Key Personnel (see Attachment 2).

15A. NAME AND TITLE OF SIGNER (Type or print) Kelly Westlake, Senior Manager, Prime Contract National Technology & Engineering Solutions of Sandia	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print), Lindsey VanNess, Contracting Officer DOE/NNSA/Sandia Field Office
15B. CONTRACTOR/OFFEROR BY  <i>(Signature of person authorized to sign)</i>	15C. DATE SIGNED 12/19/19
16B. UNITED STATES OF AMERICA BY  <i>(Signature of Contracting Officer)</i>	DATE SIGNED 

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 Revision 10	9/08/98	Accounting Practices & Procedures Handbook (APPH) Chapter X – Product Cost Accounting	Award
DOE O 130.1	9/29/95	Budget Formulations	Award
DOE O 140.1	05/14/18	Interface with the Defense Nuclear Facilities Safety Board	Award M0050
DOE O 142.2A, Admin Chg. 1	6/27/13	Voluntary Offer Safeguards Agreement and Additional Protocol with the International Atomic Energy Agency	Award
DOE M 142.2-1, Admin Chg. 1	6/27/13	Manual for the Implementation of the Voluntary Offer Safeguards Agreement and Additional Protocol with the International Atomic Energy Agency	Award
DOE O 142.3A, Chg 1	1/18/17	Unclassified Foreign Visits and Assignments Program	Award M0018
DOE O 144.1 Admin Chg. 1	11/6/09	Department of Energy American Indian Tribal Government Interactions and Policy	Award
DOE O 150.1A	3/31/14	Continuity Programs	Award
DOE O 151.1D, Chg 1 (Min Chg)	10/4/19	Comprehensive Emergency Management System ¹	Award 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, Admin Chg. 1	12/20/12	Telecommunications Security Manual ³	Award
DOE O 206.1, Chg 1	11/01/18	Department of Energy Privacy Program	Award M0063
NA SD 206.1	06/22/18	Privacy Program	M0050

¹ Full implementation will be achieved by July 24, 2020, in accordance with the approved implementation plan.

² SNL 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 #
DOE O 206.2	2/19/13	Identity, Credential, and Access Management (ICAM)	Award
NA SD 206.2	4/14/18	Implementation of Personal Identity Verification for Uncleared Contractors ⁴	M0063
DOE O 210.2A	4/08/11	DOE Corporate Operating Experience Program	Award
NAP 220.1	06/19/18	Internal Affairs Program	M0050
DOE O 221.1B	9/27/16	Reporting Fraud, Waste, and Abuse to the Office of 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 226.1B	8/12/16	NNSA Site Governance	M0008
DOE O 227.1A	12/21/15	Independent Oversight Program	Award
DOE O 231.1B, Admin Chg. 1	11/28/12	Environment, Safety and Health Reporting	Award
DOE O 232.2A Chg 1 (MinChg)	10/4/19	Occurrence Reporting and Processing of Operations Information	Award 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	2/5/09	Management and Operating Contractor Service Credit Recognition	Award M0008
NAP 401.1	11/24/15	Weapon Quality Policy (renumbered from NAP 24A in M0057)	Award
DOE O 410.2, 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, Admin Chg. 1	5/21/14	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, Change 1	8/2/18	Laboratory Directed Research and Development	Award M0050

⁴ Full implementation will be achieved by March 2025 in accordance with an 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 443.1B, Chg 1	4/21/16	Protection of Human Research Subjects	Award
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

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 an approved implementation plan.

⁷ All references to "14001:2004" shall be replaced with "14001:2015".

⁸ 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.

⁹ Clarification to CRD, Item 7c: Concepts for features are to be developed for consideration.

Number	Date	Title	Mod #
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	5/14/10	Protection of Use Control Vulnerabilities and Designs	Award
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	7/20/16	Packaging and Transportation for Offsite Shipment of Materials of National Security Interest	Award
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
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

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

¹² Full implementation will be achieved in accordance with an approved implementation plan by 04/01/2022. 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.

Number	Date	Title	Mod #
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
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. 1	2/08/19	DOE Cooperative Research and Development Agreements	M0072
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 ¹⁸	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

¹⁴ Full implementation will be achieved in accordance with an approved implementation plan by 03/30/2021.

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 no later than 03/31/2020.

Number	Date	Title	Mod #
DOE O 551.1D, Chg. 2	8/9/16	Official Foreign Travel	Award
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	Dr. Joel Lash (acting) ¹	01/03/2020
Mission Assurance Associate Laboratories Director	Mark D. Sellers	05/01/2017
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.