AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE 1 OF 2 PAGES

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. *(If applicable)*
558	**See Block 16C**		

6. ISSUED BY CODE
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

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, state, ZIP Code)*

Sandia Corporation
P. O. Box 5800
Albuquerque, NM 87185

CODE FACILITY CODE

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

10A. MODIFICATION OF CONTRACT/ORDER NO.
DE-AC04-94AL85000

10B. DATED *(SEE ITEM 13)*
October 1, 1993

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: DOE Organization Act, 42 USC §7101 et seq.; NNSA Act, 50 USC § 2401 et seq.; Clause I-62, DEAR 952.215-70, Key Personnel; Clause I-72, DEAR 970.5204-2 Laws, Regulations and DOE Directives (Dec 2000) (Deviation), and Mutual Agreement of the Parties.
	D. OTHER *(Specify type of modification and authority)*:

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 2 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 update Section J, Appendices **A**, *Personnel Appendix;* **D**, *Key Personnel;* **G**, *List of Applicable Directives and NNSA Policy Letters*, and **G-1**, *Operating Requirements*.
See attached pages and attachments for changes.

15A. NAME AND TITLE OF SIGNER *(Type or print)*		16A. NAME AND TITLE OF CONTRACTING OFFICER *(Type or print)*	
Steven Bauck, Manager **Prime Contract, Sandia Corporation**		**Corinne Sisneros, Contracting Officer** **Sandia Field Office, NNSA**	
15B. CONTRACTOR/OFFEROR BY Steven Bauck *(Signature of person authorized to sign)*	15C. DATE SIGNED 11/3/14	16B. UNITED STATES OF AMERICA BY Corinne Sisneros *(Signature of Contracting Officer)*	16C. DATE SIGNED 11/18/14

The purpose of this modification is to update Section J, Appendices **A**, *Personnel Appendix*; **D**, *Key Personnel;* **G**, *List of Applicable Directives and NNSA Policy Letters*, and **G-1**, *Operating Requirements* as listed below and attached to this modification.

1. Section J, Appendix A, *Personnel Appendix*, is hereby revised with the changes identified in Attachment 1 to this modification.

2. Section J - Appendix D, *Key Personnel,* is hereby revised and superseded in its entirety with Attachment 2 to this modification.

3. Section J – Appendix G, *List of Applicable Directives and NNSA Policy Letters* is hereby revised and superseded in its entirety with Attachment 3 to this modification.

4. Section J – Appendix G-1, *Operating Requirements*, is hereby revised and superseded in its entirety with Attachment 4 to this modification.

5. All other terms and conditions remain unchanged.

- - - End of contract modification - - -

1. Section J, Appendix A, Part I. Introduction, seventh paragraph is revised as follows:

From: Either party may request that this Appendix A be revised and the parties hereto agree to give consideration in good faith to any such request. Revisions to this Appendix A shall be accomplished by executing a Reimbursement Authorization (DOE Form AD-36) by the Contracting Officer and the Contractor. When revisions to this Appendix A are agreed upon, revised pages will be issued reflecting such changes and will bear the effective date of such changes and the Reimbursement Authorization number in the upper right-hand corner of each page.

To: Either party may request that this Appendix A be revised and the parties hereto agree to give consideration in good faith to any such request. Revisions to this Appendix A shall be accomplished by executing a contract modification (SF-30) by the Contracting Officer and the Contractor.

2. Section J, Appendix A, Part V. Group Insurance and Legally Required Payments, paragraphs A.1 and A.2 are revised as follows:

From: A. General Provisions

1. Costs incurred in implementing, administering, and funding comprehensive DOE/NNSA approved group insurance plans are allowable. Administrative costs associated with the effective administration of the Plans include such items as: publicizing, enrolling, maintaining records, and providing employees with assistance in understanding and collecting their benefits. The cost of the plans described in paragraph B is allowable. Periodically, the Contractor shall examine the design and administration of the group insurance plans and propose whatever changes are appropriate and consistent with industry standards and norms. Changes to benefits under this plan shall be consistent with the requirements with DOE Order 350.1, Change 1.

2. The group insurance policies, certificates and accounts, cost sharing arrangements, the Group Services Agreements listed in paragraph B. below have been approved by the Contracting Officer for application to the Contract and are incorporated herein. Modifications to group insurance policies, certificates and accounts, cost sharing arrangements, the Group Services Agreements will be managed in accordance with the requirements of DOE Order 350.1, Change 1. Annual renewal of the group insurance policies, certificates and accounts, cost sharing arrangements, the Group Services Agreements for the purpose of establishing new premium rates, implementing changes of minor significance shall not require Contracting Officer approval.

To: A. General Provisions

1. Costs incurred in implementing, administering, and funding comprehensive DOE/NNSA approved group insurance plans are allowable. Administrative costs associated with the effective administration of the Plans include such items as: publicizing, enrolling, maintaining records, and providing employees with assistance in understanding and collecting their benefits. The cost of the plans described in paragraph B is allowable. Periodically, the Contractor shall examine the design and administration of the group insurance plans and propose whatever changes are appropriate and consistent with industry standards and norms.

2. The group insurance policies, certificates and accounts, cost sharing arrangements, the Group Services Agreements listed in paragraph B. below have been approved by the Contracting Officer for application to the Contract and are incorporated herein. Annual renewal of the group insurance policies, certificates and accounts, cost sharing arrangements, the Group Services Agreements for the purpose of establishing new premium rates, implementing changes of minor significance shall not require Contracting Officer approval.

3. Section J, Appendix A, Part X. Employee Programs, paragraph C. is revised as follows:

From:

C. The cost of the following programs are allowable subject to such programs being conducted in accordance with Sandia Policy, the requirements of DOE Order 350.1, Change 1, and the cost principles contained in the FAR and DEAR:

- 1. Employee Assistance Program
- 2. Wellness Program

To:

C. The cost of the following programs is allowable subject to such programs being conducted in accordance with Sandia Policy, Appendix G, and the cost principles contained in the FAR and DEAR:

- 1. Employee Assistance Program
- 2. Wellness Program

Part III - Section J
Appendix D
Key Personnel

October 3, 2014 (Modification No. 558)

The Contractor's employees identified below are determined to be necessary for the successful performance of this Contract. The purpose of this listing is to identify those employees whose initial assignment, reassignment, or replacement shall be subject to the approval of the Contracting Officer, pursuant to the Contract Clause entitled "Key Personnel." Position title designations do not signify officers of the Sandia Corporation.

Paul J. Hommert	President, Laboratories Director
Jerry L. McDowell[1]	Deputy Laboratories Director and Executive Vice President for National Security Programs/Acting Vice President, Defense Systems and Assessments
Kimberly C. Sawyer	Deputy Laboratories Director and Executive Vice President for Mission Support
Bonnie L. Apodaca	Vice President, Business Operations and Chief Financial Officer
Michael W. Hazen	Vice President, Infrastructure Operations
Jill M. Hruby	Vice President, Energy, Securities and Defense Technologies
Jeffrey A. Isaacson[2]	Vice President, Defense Systems and Assessments (DSA)
Elizabeth D. Krauss[3]	Vice President, General Counsel, and Corporate Secretary/Acting Vice President, Human Resources and Communications
Robert W. Leland[4]	Vice President, Science and Technology and Chief Technology Officer
J. Stephen Rottler[5]	Vice President, California Laboratory
Michael O. Vahle	Vice President, Information Technology Services and Chief Information Officer (CIO)
Bruce C. Walker	Vice President, Weapons Engineering and Product Realization and Chief Engineer for Nuclear Weapons

[1] Dr. McDowell's acting assignment is effective October 9, 2014; he will also concurrently continue his assignment as Deputy Laboratories Director and Executive Vice President for National Security Programs.
[2] Dr. Isaacson will leave Sandia, effective October 9, 2014.
[3] Ms. Krauss' acting assignment is effective September 12, 2014.
[4] Dr. Leland's assignment is effective September 26, 2014.
[5] Dr. Rottler's assignment is extended to April 30, 2015.

Part III - Section J
Appendix G
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. This List excludes directives that have been granted an exemption from the CRD in whole or in part. For those Directives whereby the Contractor has been granted an exemption from the CRD, the Contractor shall comply only with the Operating Requirements identified in Appendix G-1. Directives identified in Appendix G-1 are for reference purposes only.

Bolded directives have been reviewed by the Joint Operating Requirements Review Board (JORRB).

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE
APPH Chapter X Revision 10	9/08/98	Accounting Practices & Procedures Handbook (APPH) Chapter X - Product Cost Accounting
DOE O 130.1	9/29/95	Budget Formulations Process
DOE M 140.1-1B	3/30/01	Interface with the Defense Nuclear Facilities Safety Board
DOE O 142.2A, Admin Chg 1 dated 6/27/13	**12/15/06**	**Voluntary Offer Safeguards Agreement and Additional Protocol with the International Atomic Energy Agency**
DOE M 142.2-1, Admin Chg 1 dated 6/27/13	**9/04/08**	**Manual for the Implementation of the Voluntary Offer Safeguards Agreement and Additional Protocol with the International Atomic Energy Agency**
DOE O 142.3A	10/14/10	Unclassified Foreign Visits and Assignments Program
DOE O 144.1, Chg 1 dated 11/6/09	1/16/09	Department of Energy American Indian Tribal Government Interactions and Policy
DOE O 150.1A	**3/31/14**	**Continuity Programs**[1]
DOE O 151.1C	11/02/05	Comprehensive Emergency Management System
DOE O 153.1	6/27/07	Departmental Radiological Emergency Response Assets
DOE O 205.1B, Admin Chg 3 dated 4/29/2014	**5/16/11**	**Department of Energy Cyber Security Program**[2]
DOE M 205.1-3, Admin Chg 1 dated 12/20/12	4/17/06	Telecommunications Security Manual[3]
DOE O 206.1	1/16/09	Department of Energy Privacy Program
DOE O 206.2	**2/19/13**	**Identify, Credential, and Access Management (ICAM)**
DOE O 210.2A	**4/08/11**	**DOE Corporate Operating Experience Program**
DOE O 221.1A	4/19/08	Reporting Fraud, Waste, and Abuse to the Office of Inspector General
DOE O 221.2A	2/25/08	Cooperation With The Office of Inspector General
DOE O 225.1B	**3/04/11**	**Accident Investigations**
DOE O 226.1B	**4/25/11**	**Implementation of Department of Energy Oversight Policy**
DOE O 227.1	**8/30/11**	**Independent Oversight Program**

[1] Full implementation will occur by 3/31/2015.
[2] Sandia will evaluate NNSA RMIP releases to ensure that the requirements of CNSSP-300 are adequately implemented.
[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.

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE
DOE O 231.1B, Admin Chg 1 dated 11/28/12	**6/27/11**	**Environment, Safety and Health Reporting**
DOE O 232.2 Admin Chg 1 dated 3/12/14	**8/30/11**	**Occurrence Reporting and Processing of Operations Information**
DOE O 241.1B	**12/13/10**	**Scientific and Technical Information Management[4]**
DOE O 243.1B, Admin Chg 1 dated 7/8/13	**3/11/13**	**Records Management Program**
DOE O 252.1A, Admin Chg 1, dated 3/12/13	**2/23/11**	**Technical Standards Program**
DOE O 313.1	11/19/09	Management and Funding of the Department's Overseas Presence
DOE O 350.1, Chg 3 dated 2/23/10	9/30/96	Contractor Human Resource Management Programs[5]
NA SD 350.2	**11/16/11**	**Use of Management and Operating Contractor Employees for Services to NNSA in the Washington, D.C., Area**
DOE O 350.2B	**05/31/11**	**Use of Management and Operating or Other Facility Management Contractor Employees for Services to DOE in the Washington, D.C., Area**
DOE O 410.2, Admin Chg 1 dated 4/10/14	**8/17/09**	**Management of Nuclear Materials**
DOE O 412.1A, Admin Chg 1 dated 5/21/14	**4/21/05**	**Work Authorization System**
DOE O 413.1B	10/28/08	Internal Control Program
DOE O 413.2B, Admin Chg 1 dated 1/31/11	4/19/06	Laboratory Directed Research & Development
DOE O 413.3B	**11/29/10**	**Program and Project Management for the Acquisition of Capital Assets[6]**
DOE O 414.1D, Admin Chg 1, dated 5/8/13	**4/25/11**	**Quality Assurance**
DOE O 415.1, Admin Chg 1 dated 1/16/13	**12/3/12**	**Information Technology Project Management**
DOE O 420.1B, Chg 1 dated 4/19/10	12/22/05	Facility Safety
DOE O 420.2C	**7/21/11**	**Safety of Accelerator Facilities**
DOE O 422.1, Admin Chg 1 dated 6/25/13	**6/29/10**	**Conduct of Operations**
DOE O 425.1D, Admin Chg 1, dated 4/2/13	**4/16/10**	**Verification of Readiness to Start Up or Restart Nuclear Facilities**

[4] Implementation of the requirement(s) in paragraph 3. of the Contractor Requirements Document (CRD) will be achieved in accordance with an approved implementation plan: [name of subprogram].

[5] (a) For purposes of Chapter VI-5, paragraph 1, Basic Requirements, subparagraph (d), effective January 22, 2013, the Contractor shall perform an annual limited scope-audit of the Contractor pension plan except that a full-scope audit shall be performed once every three years.

(b) Excludes Chapters VIII Contractor Workplace Substance Abuse Programs and IX Employee Assistance Programs due to exemption granted on December 9, 2010, by the NNSA Administrator.

(c) For purposes of Attachment 1 (Page V-8), Employee Benefits, Benefit Program Approval b. (2) (d), total benefit payments from all sources shall not exceed 80% of the employee's gross pay for the period such compensation is payable.

[6] The annual Value Engineering accomplishment progress report required by paragraph c.9. of the CRD shall be submitted to OECM through the SFO.

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE
DOE O 426.2, Admin Chg 1, dated 7/29/13	**4/21/10**	**Personnel Selection, Training, Qualification, and Certification Requirements for DOE Nuclear Facilities**
DOE O 430.1B, Chg. 2 dated 04/25/11	**9/24/03**	**Real Property and Asset Management**
DOE O 433.1B, Admin Chg 1, dated 3/12/13	**4/21/10**	**Maintenance Management Program for DOE Nuclear Facilities**
DOE N 435.1	**8/09/11**	**Contact-Handled and Remote-Handled Transuranic Waste Packaging**
DOE O 435.1, Chg. 1 dated 8/28/01	7/09/99	Radioactive Waste Management
DOE O 440.2C, Chg. 1 dated 6/15/11	**11/27/02**	**Aviation Management and Safety**
DOE M 441.1-1	3/07/08	Nuclear Material Packaging Manual[7]
DOE O 442.2	**7/29/11**	**Differing Professional Opinions for Technical Issues Involving Environment, Safety, and Health**
DOE O 443.1B	**3/17/11**	**Protection of Human Research Subjects**
DOE O 452.1D, Admin Chg 1 dated 7/10/13	**4/14/09**	**Nuclear Explosive and Weapon Surety Program**
DOE M 452.2-1A, Admin Chg 1 dated 7/10/13	**4/14/09**	**Nuclear Explosive Safety Manual**
DOE M 452.2-2, Admin Chg 1 dated 7/10/13	**4/14/09**	**Nuclear Explosive Safety Evaluation Processes**
DOE O 452.2D, Admin Chg 1 dated 7/10/13	**4/14/09**	**Nuclear Explosive Safety**
DOE O 452.3	6/08/05	Management of the Department of Energy Nuclear Weapons Complex
NNSA SD M 452.3-1	12/10/09	Defense Programs Business Requirements and Processes Manual[8]
DOE O 452.4B	1/22/10	Security and Use Control of Nuclear Explosives and Nuclear Weapons
DOE O 452.6A	4/14/09	Nuclear Weapon Surety Interface with the Department of Defense
DOE O 452.7	5/14/10	Protection of Use Control Vulnerabilities and Designs
DOE O 452.8	**7/21/11**	**Control of Nuclear Weapons Data**
DOE O 456.1, Admin Chg 1 dated 2/14/13	**5/31/11**	**The Safe Handling of Unbound Engineered Nanoparticles**
DOE O 457.1A	**8/26/13**	**Nuclear Counterterrorism**
DOE O 458.1, Admin Chg 3 dated 1/15/13	**2/11/11**	**Radiation Protection of the Public and the Environment**
DOE O 460.1C	5/14/10	Packaging and Transportation Safety
DOE O 460.2A	12/22/04	Departmental Materials Transportation & Packaging Management
DOE M 460.2-1A	6/04/08	Radioactive Material Transportation Practices

[7] (a) Sandia shall repackage all nuclear materials that fall under the requirements of DOE M 441.1-1 remaining on-site after FY 2015 that do not have an identified disposition path. These materials will need to be packaged before the end of FY 2014 or as soon as appropriate packaging is identified and approval is obtained through the SFO. Sandia will determine the appropriate packaging and SFO will concur/approve. Packaging designs will be approved by a Field Office and reviewed by the NNSA/Albuquerque Complex Packaging Certification Division prior to use.
(b) New material that Sandia acquires from various programs and projects that are subject to DOE M 441.1-1 must have an approved container for storage, or Sandia must have a plan (approved by SFO) in place to develop a container to comply with the packaging and storage requirements, when it comes on site.

[8] Changes to the NNSA Supplemental Directive NA SD M 452.3-1, *Defense Programs Business Requirements and Processes Manual*, and the RMI derived requirements, are processed as described in contract clause H-33(e).

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE
DOE O 461.1B	**12/16/10**	**Packaging and Transportation for Offsite Shipment of Materials of National Security Interest**
DOE O 461.2	**11/01/10**	**Onsite Packaging and Transfer of Materials of National Security Interest**
DOE O 462.1, Admin Chg. 1 dated 7/10/13	**11/10/08**	**Import and Export of Category 1 and 2 Radioactive Sources and Aggregated Quantities**
DOE O 470.3B	8/12/08	Graded Security Protection (GSP) Policy
DOE O 470.4B, Admin Chg 1 dated 2/15/13	**7/21/11**	**Safeguards and Security Program**[9]
DOE M 470.4-3A	11/05/08	Contractor Protective Force
DOE M 470.4-4A	1/16/09	Information Security Manual[10]
DOE O 471.1B	3/01/10	Identification and Protection of Unclassified Controlled Nuclear Information
DOE O 471.3, Admin Chg. 1 dated 1/13/11	**4/09/03**	**Identifying and Protecting Official Use Only Information**
DOE M 471.3-1, Admin Chg. 1 dated 1/13/11	**4/09/03**	**Manual for Identifying and Protecting Official Use Only Information**
DOE O 471.5	**3/29/11**	**Special Access Program**
DOE O 471.6, Admin Chg 1 dated 11/23/13	**6/20/11**	**Information Security**
DOE O 472.2, Chg 1 dated 7/9/14	**7/21/11**	**Personnel Security**
DOE O 474.2, Admin Chg 2 dated 11/19/12	**6/27/11**	**Nuclear Material Control and Accountability**
DOE O 475.1	12/10/04	Counterintelligence Program
DOE O 475.2A	**2/01/11**	**Identifying Classified Information**
DOE O 483.1A	**11/06/13**	**DOE Cooperative Research and Development Agreements**[11]
DOE O 534.1B	**1/06/03**	Accounting
DOE O 551.1D	4/02/12	Official Foreign Travel[12]
DOE O 580.1, Chg 1 dated 5/08/08	12/07/05	Department of Energy Personal Property Management Program
DOE 5480.30, Chg. 1 dated 3/14/01	1/19/93	Nuclear Reactor Safety Design Criteria
DOE O 5639.8A	**7/23/93**	**Security of Foreign Intelligence Information and Sensitive Compartmented Information Facilities,**
56XB Rev. 2	5/10/04 (Release Date)	Nuclear Weapon Development and Production[13]

[9] Sandia shall provide SFO with the required documentation (DD254 or DOE F 470.1) for *new* classified WFO activity and shall provide notification as required to update the form through the lifecycle of the activity. This does not include those WFO activities excluded by policy.

[10] 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.

[11] Effective date of full implementation is 8/1/2014.

[12] Full implementation will occur after the DOE reprogramming effort.

[13] Chapters within 56XB, *Nuclear Weapon Development and Production (D&P) Manual,* will stay in effect until specific *Nuclear Weapon D&P Manual* chapters and associated Technical Business Practices are replaced using the Requirements Modernization and Integration (RMI) process, as described in contract clause H-33(e) and NA SD M 452.3-1.

DIRECTIVE NUMBER	DATE	DOE DIRECTIVE TITLE
NAP 14.1-D	**12/14/12**	**Baseline Cyber Security Program**[14]
NAP 14.3-B	5/02/08	Transmission of Restricted Data Over Secret Internet Protocol Router Network (SIPRNet)
NAP 23	**12/13/12**	**Atomic Energy Act Control of Import and Export Activities**
NAP 24	**6/20/13**	**Weapon Quality Policy**[15]
NAP 70.2, Chg 1	**7/20/11**	**Physical Protection**
QP 100-1	**3/1/13**	**Quality Requirements to UK and US Procurement Contracts and Loan Authorizations for Research, Design, and Development**

[14] Sandia Cyber Security Program Execution Guidance and Annual Operating Plan will be used in lieu of NAP 21 to define performance expectations for the cyber security program.

[15] NAP-24 will be fully implemented by 9/30/17 pursuant to the approved implementation plan, dated 12/19/13. The term "prevented" in Section 3.6.3 aii) is commensurate with DOE O 452.1D, Administrative Change 1, Section 4.b.1.

Part III - Section J
Appendix G-1
Operating Requirements

The Contractor shall comply with the Operating Requirements listed herein. **The identified directives are listed for reference purposes only, i.e., only those provisions set forth herein constitute binding Operating Requirements.** The NNSA Administrator has granted exemptions from some of the directives referenced herein while other directives have an alternative applicable authority for exemption. The applicable authority for exemption for each directive is cited in their respective endnotes.

The contractor is responsible for flowing down requirements in Appendix G-1 and other contract requirements, when applicable, to ensure compliance with the terms and conditions of the prime contract.

The paragraph numbering under each heading below corresponds to the Contractor Requirements Document (CRD) in the referenced directive for ease of traceability.

DOE O 200.1A, Information Technology Management, Effective Date: 12/23/2008 [1]

1. INFORMATION TECHNOLOGY STRATEGIC PLANNING. Maintain a strategic plan that coordinates IT planning and investment decisions and links to the Departmental strategic plan.
2. CAPITAL PLANNING AND INVESTMENT CONTROL. Develop, implement, and maintain a Capital Planning and Investment Control (CPIC) process that supports Department-wide CPIC efforts.
3. ENTERPRISE ARCHITECTURE. Maintain an Enterprise Architecture for the life-cycle management of information resources and related IT investments funded by or operated for DOE.
4. HARDWARE AND SOFTWARE ACQUISITION
    b. Implement a Software Quality Assurance (SQA) program.
5. IT OPERATIONS AND USE. Ensure that information published to Federal service-to-citizens public websites are accessible to the public and individuals with disabilities.

DOE O 436.1, Departmental Sustainability, Effective Date: 05/02/2011[3]

1. Submit an annual Site Sustainability Plan (SSP) that is integrated with Environmental Management System (EMS) and site operations.

DOE O 484.1, Reimbursable Work for the Department of Homeland Security, Administrative Change 2, Effective Date: 06/30/2014 [1, 4]

Establish, maintain and implement, through the contractor's management system, the assurance that all requirements applicable to reimbursable work for DHS are satisfied to include ensuring:

- DHS-funded work at a DOE national laboratory or site will be performed on an equal basis to other missions at the laboratory or site and not on a non-interference basis with other missions of such laboratory or site; and
- No added administrative or personnel charges in excess of those paid by DOE will be charged for DHS work

DOE O 522.1, Pricing of Departmental Materials and Services, Effective Date: 11/03/2004 [1]

1. When the site/facility management contractor conducts activities of providing non-DOE entities materials or services, which the Department is authorized by law to provide, the site/facility management contractor must charge the non-DOE entity the full cost of providing the materials or services. Full cost includes all site/facility management contractor direct costs incurred in performing work, all allocable costs incurred by the site/facility management contractor at any DOE/NNSA facility, and a Federal administrative charge of 3 percent of these costs. In no case will any depreciation or imputed interest charges be imposed on the non-DOE entity requesting the materials or services.

2. For cosponsored work, Cooperative Research and Development Agreements (CRADAs), and other technology transfer mechanisms, the site/facilities management contractor will assess a Federal administrative charge of 3 percent on all funds contributed by the sponsor, regardless of the level of Departmental participation in funding the work effort. In-kind contributions will not be subject to the Federal administrative charge.

3. The site/facility management contractor may provide an exception to the requirement to assess the 3 percent Federal administrative charge for reimbursable work performed for non-DOE entities as follows:
    a. Funds-in agreements with domestic entities: small business concerns, institutions of higher education, nonprofit entities, and State and local governments.
    b. Based on the current listing of blanket pricing exceptions provided by DOE to the contractor for work covering research, development, testing, evaluation, training, and exercises directly related to specified activities listed. If any of the blanket exceptions are canceled, DOE will provide the contractor with appropriate notification.

5. The following activities may become part of the contractor's responsibilities. These activities require special pricing consideration and, as applicable, DOE will provide the contractor with additional information for pricing the activity.

    a. Information Dissemination Materials. DOE must comply with Office of Management and Budget (OMB) Circular A-130, Management of Federal Information Resources. The contractor will assist DOE in complying with Circular A-l30. Circular A-130 requires DOE to set charges at a level sufficient to recover the cost of dissemination but no higher. Charges must exclude the cost of the original collection and processing of the information. Should an exception to this policy be warranted, DOE will provide additional guidance.

    b. Byproduct Material. The contractor shall establish prices and charges for byproduct material sold, pursuant to Title 42 United States Code (U.S.C.) 2111 and 2112, at either the full cost recovery price or the commercial price, whichever is higher. Lower prices may be established if it is determined that such prices and charges will provide reasonable compensation to the Government, will not discourage the use of or the development of sources of supply independent of DOE, and will encourage research and development. Before establishing lower prices, the contractor shall obtain the approval of DOE.

c. Other Materials and Services. The contractor shall establish prices and charges for materials and services sold, pursuant to 42 U.S.C. 2201(m), at either the full cost recovery price or the commercial price, whichever is higher. Lower prices and charges may be established if it is determined that such prices and charges would still provide reasonable compensation to the Government and would not discourage the development of supply sources independent of DOE. Before establishing lower prices, the contractor shall obtain the approval of DOE.

d. Foreign Research Reactor Spent Nuclear Fuel Program. DOE will provide the contractor guidance on charging for this activity.

e. Access Permits. The contractor shall not charge for access permits issued with the exception of those access permits which are charged in accordance with Title 10 Code of Federal Regulations (CFR) 725.

f. Access Authorizations. The contractor shall not assess charges for access authorizations when authorization-

(1) is transferred from a study agreement to an access permit held by the same organization;

(2) is for an employee or staff member of an accredited, nonprofit educational institution having, at a minimum, a 2-year program of college level studies, and the work is related to the civilian application of nuclear energy;

(3) will not be considered one for which DOE has been paid, when the individual transfers to another organization; and

(4) is granted to obtain full and free competition.

g. Use Permits. The contractor shall not assess a charge for preparing a permit which authorizes the use of DOE facilities or services. Charges for use of the facilities or services will be calculated separately.

h. Assistance for the Protection of Health and Safety in the Event of Radiological Incidents. The contractor shall request guidance from DOE on charging for this activity.

i. Museums and Exhibits. Unless there is specific authority to collect admission fees, the contractor will not charge visitors to DOE museums and exhibits for admission.

j. Commercial Property Rental. DOE will provide the contractor guidance on charging for this activity.

k. Use of Facilities. DOE will provide the contractor guidance on charging for this activity.

l. Office of Science User Facilities. The contractor may make the Office of Science User Facilities available for research by a broad community of qualified users on the basis of programmatic interest, feasibility, capability of the experimental group, and availability of the resources required. The contractor shall adhere to the following regarding charging users for use of the facilities.

(1) Use of user facilities will be authorized at no charge for research which is of DOE programmatic interest and which is approved by laboratory management, usually with the advice of program advisory committees. Use free of charge will apply to experiments approved for conduct during periods in which the facility operates in normal mode for its primary purpose. The facility manager will determine which requests meet those criteria and report periodically to the appropriate DOE program manager.

(2) When facilities are made available for proprietary research, the user will be charged a fee that realizes full cost recovery.

(3) When facilities are operated for special circumstances, such as running the facility outside the normal operating mode or schedule, the user will be charged the incremental costs.

m. Hazardous Materials Spill Center. The contractor will charge users of the facility only for direct and indirect costs for their experiments.

(1) Invoices for materials and services will be prepared and issued promptly in accordance with the terms of the reimbursable work contracts or agreements.

(2) Work for others issues are covered in the work for others clause of this contract.

(3) Collections are covered under the payments and advances clause of this contract.

- *End of Appendix* -

Endnotes:

[1] Thomas P. D'Agostino (Administrator, NNSA) December 9, 2010 Memorandum for Patty Wagner (Manager, Sandia Site Office) and Stephen Mellington, (Manager, Nevada Site Office); Subject: Strengthening Oversight Through Improving Contractor Requirements Documents in National Nuclear Security Administration Management and Operating Contracts; Attachment: Contractor Requirements Document (CRD) Crosswalk Form

[2] Thomas P. D'Agostino (Administrator, NNSA) August 16, 2010 Memorandum for Patty Wagner (Manager, Sandia Site Office) and Stephen Mellington, (Manager, Nevada Site Office); Subject: Strengthening Oversight Through Improving Contractor Requirements Documents in National Nuclear Security Administration Management and Operating Contracts; Attachment: Contractor Requirements Document (CRD) Crosswalk Form

[3] Per the CRD for DOE O 436.1, *Departmental Sustainability*, dated 05/02/2011, "When deemed appropriate by the Contracting Officer, a contractor having an EMS that is certified to ISO 14001:2004 standard in accordance with the accredited registrar provisions of the International Standard may allow the CRD not to be included in their contracts. In such cases, sustainability goals will flow down to contractors via established contractor performance management processes or other contract mechanisms."

4 DOE O 484.1 was updated to DOE O 481.1, Administrative Change 2 dated 6/30/2014, pursuant to the parameters in Endnote 1.