

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

BPA NO. 1. CONTRACT ID CODE PAGE 1 OF PAG 2

2. AMENDMENT/MODIFICATION NO. M001 3. EFFECTIVE DATE See Block 15c. 4. REQUISITION/PURCHASE REQ. NO. NRC-42-08-064 T17M1 NSR-10-149 5. PROJECT NO.(if applicable)

6. ISSUED BY CODE 3100 U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Jeffrey R. Mitchell, 301-492-3639 Mail Stop TWB 01-B10M Washington, DC 20555 7. ADMINISTERED BY (If other than Item 6) CODE 3100 U.S. Nuclear Regulatory Commission Div. of Contracts Mail Stop TWB 01-B10M Washington, DC 20555

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) INFORMATION SYSTEMS LABORATORIES, INC ISL ATTN: DR. JAMES F. MEYER 11140 ROCKVILLE PIKE, SUITE 500 ROCKVILLE MD 20852 9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER NO. NRC-42-08-064 NRC-T017 10B. DATED (SEE ITEM 13) 06-15-2009

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 or 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) 011-15-171-103 N-4111 252A 31x0200.011 Obligate \$49,869.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Bilateral 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 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Task Order Ceiling Amount: \$68,082.00 (changed) Total Obligated Amount: \$68,082.00 (changed) Period of Performance: 06/15/2009 - 09/30/2011 (unchanged)

See continuation pages

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) Bruce B. Meadows V.P. 15B. CONTRACTOR'S OFFER BY (Signature of person authorized to sign) 15C. DATE SIGNED 2/26/2010 16A. NAME AND TITLE OF CONTRACTING OFFICER Jeffrey R. Mitchell Contracting Officer 16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer) 16C. DATE SIGNED 2/16/2010

NSN 7540-01-152-8070 PREVIOUS EDITION NOT USABLE

STANDARD FORM 30 (REV. 10-83) Prescribed by GSA - FAR (48 CFR) 53.243

TEMPLATE - ADM001 SUNSI REVIEW COMPLETE FEB 26 2010 ADM002

The purpose of this modification is to (1) to incorporate the revised task order Statement of Work, (2) increase the contract ceiling by \$49,869.00 from \$18,213.00 to \$68,082.00, and (3) provide incremental funding in the amount of \$49,869.00 thereby increasing the total obligations from \$18,213.00 to \$68,082.00. Accordingly the subject task order is modified as follows:

Refer to the Task Order No. 17 "Statement of Work" is here by deleted in its entirety and replaced with the following Statement of Work attached to this Modification No. 1 entitled "Statement of Work Rev 1".

Task Order No. 17 shall be in effect from June 15, 2009 through September 30, 2011, with a cost ceiling of \$68,082.00. The amount of \$63,043.00 represents the estimated reimbursable costs, and the amount of \$5,039.00 represents the fixed fee.

The amount obligated by the Government with respect to this task order is \$68,082.00, of which \$63,043.00 represents the estimated reimbursable costs, and the amount of \$5,039.00 represents the fixed fee.

******ALL OTHER TERMS AND CONDITIONS OF THE SUBJECT TASK ORDER REMAIN UNCHANGED******

TASK ORDER STATEMENT OF WORK
REVISION NO. 1

JCN N-4111	Contractor Information Systems Laboratories, Inc.	Task Order No. NRC 42-08-064 (MOD 1)
Applicant Mitsubishi	Design/Site USAPWR	Docket No. 5200006
Title/Description Design Certification Reviews with Respect to Physical Security Requirements for USAPWR		
TAC No. <i>Use JCN as reference</i>	B&R Number 911-15-171-107	SRP or ESRP Section(s) 13.6, 14.3.12
NRC Task Order Project Officer (PO) Rachel Glaros 301-415-3672 Rachel.Glaros@nrc.gov		
NRC Technical Monitor (TM) Robert Dexter 301-415-7660 Rober.Dexter@nrc.gov Pete Lee 301-415-8111 Pete.Lee@nrc.gov Vince Williams 301-415-6844 Vince.Williams@nrc.gov		

1.0 BACKGROUND

Standard design certifications (DC) applications are submitted pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR), Part 52, Standard Design Certifications for Nuclear Power Plants. The U.S. Nuclear Regulatory Commission (NRC) reviews these requests based on information furnished by DC applicants pursuant to 10 CFR 52.79, Contents of Applications Technical Information.

The NRC staff utilizes NUREG-0800, "Standard Review Plan (SRP) for the Review of Safety Analysis Reports for Nuclear Power Plants," and to provide guidance to the staff in performing safety reviews of COL applications and standard designs and sites for nuclear power plants. The principal purpose of the SRP is to assure the quality and uniformity of staff safety reviews. The staff publishes the results of these reviews in a Safety Evaluation Report (SER).

2.0 OBJECTIVE

The objective of task, "Design Certification Reviews with Respect to Physical Security Requirements for USAPWR," is to obtain technical expertise from the contractor to assist the NRC staff in developing RAIs and SERs for the USAPWR design.

3.0 WORK REQUIREMENTS, SCHEDULE AND DELIVERABLES

Tasks/Standards	Scheduled Completion	Deliverables
<p>1.a. REQUIREMENT: Perform DC application review with respect to, but not necessarily limited to, chapter 13.6 and Chapter 14.3.12 of the application, physical security technical reports issued by the applicant, target sets, or ITAAC (inspections, tests, analyses and acceptance criteria) physical security hardware.</p> <p>A NRC requested re-submittal of the MHI Target Set Analysis action items - based off of the September 8, 9, 2009 NRC requested audit. ISL will analyze the Target Set Analysis and create/and or revise the Target Sets List of related Vital Equipment, and provide related questions and comment on this Analysis, and perform related duties as requested by the NRC.</p> <p>STANDARD: Each review shall document recommended technical acceptability and/or adequacy, as appropriate. Applicable NRC physical security guidance, previously cited as acceptable for use by the NRC, shall be cited whenever possible in the documentation of the review.</p>	<p>Dependant upon the scope of the specific activity. The TM and/or TAPM will work with the contractor staff to identify scheduled completion times for each activity.</p>	<p>Written technical review comments documenting the recommended acceptability and/or adequacy of the specific part of the DC application and/or recommended requests for additional information.</p>

Tasks/Standards	Scheduled Completion	Deliverables
<p>1.b. REQUIREMENT: Compose recommended safety evaluation report (SER) or portions thereof, for a specific DC application.</p> <p>ISL will assist the NRC in the review or in composing approximately 18 RAI's related to the Target Sets and Vital Equipment List, and assist in formulating and providing comment on related questions or issues with these RAI's.</p> <p>STANDARD: The SER shall follow the template, as conveyed by the NRC staff, for the physical security review of the DC application. The SER shall document the RAIs issued to the applicant and the resolution of the applicant's response to each RAI. Documented SER refers to the applicable NRC regulations and guidance that apply.</p>	<p>Dependant on the scope of the SER to be written. Schedules will be identified by the contractor staff and the TM and or TAPM for each specific activity.</p>	<p>Draft recommended SER or portions thereof for a specific DC application, as directed by the TM or TAPM. Written technical review comments documenting the recommended acceptability and/or adequacy of the specific part of the DC application and/or recommended requests for additional information (RAI).</p>
<p>1.c. REQUIREMENT: Perform review of DC application security assessment documentation.</p> <p>STANDARD: Ensure review is in alignment with the NRC <i>Nuclear Power Plant Security Assessment Format and Content Guide, September 2007, 10 CFR 73.55 Rule (Released in March 2009)</i> and other security engineering references cited as acceptable for use by the NRC as Appendix C, of Regulatory Guide 5.69.</p>	<p>Dependant upon the specific scope of the activity. Schedules will be identified by the contractor staff and the TM and or TAPM for each specific activity.</p>	<p>Draft recommended SER or portions thereof with respect to documenting the security assessment review and/or RAIs.</p>

Tasks/Standards	Scheduled Completion	Deliverables
<p>2. Other. REQUIREMENT: As needed and requested by the staff, provide technical support to the staff during related stakeholder ACRS meetings, and hearing proceedings.</p> <p>STANDARD: Ensure presentation materials are reviewed and approved by NRC staff.</p>	TBD	Prepare Presentation Materials. Attend Meetings, if required

* These Work Schedules are subject to change by the NRC Contracting Officer (CO) to support the needs of the NRC Licensing Program Plan.

The Technical Monitor may issue technical instructions from time to time throughout the duration of this task order. Technical instructions must be within the general statement of work delineated in the task order and shall not constitute new assignments of work or changes of such a nature as to justify an adjustment in cost or period of performance. The contractor shall refer to Section G.1 of the base contract for further information and guidance on any technical directions issued under this task order.

Any modifications to the scope of work, cost or period of performance of this task order must be issued by the CO and will be coordinated with the NRO Project Officer.

4.0 TECHNICAL AND OTHER SPECIAL QUALIFICATIONS REQUIRED

As specified in the basic task ordering agreement, the contractor shall provide individuals who have the required educational background and work experience to meet the objectives of the work specified in this task order. Specific qualifications for this effort include:

- General knowledge of physical security associated with nuclear facilities
- Technical knowledge associated with the conduct of security assessments (termed "vulnerability assessment" within the U.S. Department of Energy complex)
- Technical knowledge of physical security at nuclear facilities
- Ability to obtain access authorization to the safeguards information (per 10CFR73.21) level
- Knowledge of the development of NRC Technical Evaluation Reports (TERs) and/or SERs

The contractor shall provide a contractor project manager (PM) to oversee the effort and ensure the timely submittal of quality deliverables so that all information is accurate and complete as defined in the base contract.

The NRC will rely on representations made by the contractor concerning the qualifications of the personnel assigned to this task order, including assurance that all information contained in the technical and cost proposals, including resumes, is accurate and truthful. The resume for each professional proposed to work under this task order (contractor, subcontractor, or consultant) shall describe the individual's experience in applying his or her area of engineering specialization to work in the proposed area. The use of particular personnel on this contract is

subject to the NRC technical monitor's (TM's) approval. This includes any proposed changes to key personnel during the life of the task order.

5.0 REPORTING REQUIREMENTS

Task Order Progress Report

The contractor shall provide a bi-weekly progress report summarizing accomplishments, expenditures, contractor staff hours expended, percent completed for each task under this task order, and any problems encountered by the contractor. The report shall be sent via e-mail to the NRC TM, Task Order Project Officer (PO) and CO.

Please refer to Section F of the basic contract award document for contract reporting requirements.

Technical reporting requirements

Unless otherwise specified above, the contractor shall provide all deliverables as draft products. The NRC TM will review all draft deliverables (and coordinate any internal NRC staff review, if needed) and provide comments back to the contractor. The contractor shall revise the draft deliverable based on the comments provided by the TM, and then deliver the final version of the deliverable. When mutually agreed upon between the contractor and the TM, the contractor may submit preliminary or partial drafts to help gauge the contractor's understanding of the particular work requirement.

The contractor shall provide the following deliverables in hard copy and electronic formats. The electronic format shall be provided in MS Word or other word processing software approved by the TM. For each deliverable, the contractor shall provide one hard copy and electronic copy to both the PM and the TM. The schedule for deliverables shall be contained in the approved project plan for the task order effort.

In all correspondence, include identifying information: JCN No.: N-4111; Task Order No.: 17; the licensee: Mitsubishi; and, the site: N/A.

6.0 MEETINGS AND TRAVEL

Meetings as required*. Generally no travel due to the contractor being in close proximity (walking distance) to NRC HQ.

*At the discretion of the NRC TM, meetings may be conducted via telephone or video conference.

7.0 NRC FURNISHED MATERIAL

The NRC TM will provide those NRC documents related to the applicable portions of the application (e.g., 10CFR 73.55 guidance documents) that are readily available and SER templates specific to the application activity. The NRC TM will provide access to the applicant's safety analysis report, pertinent sections of the DC, or other NRC safety documents and docketed correspondence on related issues, as appropriate. The laboratory staff will identify any additional NRC documentation that is needed and the TM will determine whether it will be provided by the NRC or obtained directly by the laboratory from NUDOCS, ADAMS, NRC public document room or the NRC website at www.nrc.gov.

8.0 PERIOD OF PERFORMANCE

The period of performance is from June 15, 2009 through September 30, 2011.

9.0 OTHER APPLICABLE INFORMATION

a. License Fee Recovery

All work under this task order is fee recoverable and must be charged to the appropriate TAC/JCN number(s).

b. Assumptions and Understandings:

1. It is assumed that the contractor has access to the NRC furnished material available on the Internet.
2. It is understood that the scope of the review consists of conference calls with the NRC staff, and with the NRC staff and the applicant (if applicable), to discuss open items in an attempt to revise a document appropriately or obtain additional information or reach resolution; as appropriate.
3. During the course of the review, the Technical Monitor, and possibly other NRC personnel, may travel to the contractor's site to discuss the status of the contract and participate in the revision of NRC documents or resolution of open items (if applicable). It is assumed that the level of effort covers such a meeting.
4. The primary deliverable or output of this contract will be activity specific as assigned by the PM and/or TA. Deliverables and products may include, but may not be limited to: regulatory guidance document recommended changes to be in alignment with the revised 10CFR73.55, recommended draft recommended SERs (or portions thereof) for specifically identified DC applications, technical review of ITAAC submitted by a new reactor applicant, tracking of design commitments in a certified design and how a COL applicant has addressed them with respect to their adequacy and/or acceptability, and RAIs for technical physical protection aspects of a new reactor application such that the applicant, in answering the RAI provides enough information for the NRC staff to complete the review of a certain aspect of the new reactor application.

The paragraph below may be applicable in part or whole for this and future tasks issued via this contract:

The primary deliverable, or output of this regulatory review, shall be the Technical Evaluation Report* (TER). The TER will serve as input to the NRC staff's Safety Evaluation Report (SER) which will document the NRC's technical, safety, and legal basis for approving the COL and/or DC application. The TER must provide sufficient information to adequately explain the NRC staff's rationale for why there is *reasonable assurance* that public health and safety is protected. The TER, and ultimately the SER, should be written in a manner whereby a person with a technical (non-nuclear/non physical protection) background and unfamiliar with the applicant's request could understand the basis for the staff's conclusions.

*The terms "TER" and "recommended SER" are used interchangeably in this contract SOW.

5. Expected Classification or Sensitivity

All work under this project is expected to be unclassified and/or sensitive unclassified. Sensitive unclassified work may be: Proprietary, Official Use Only (OUO) per 10 CFR2.390, Unclassified Controlled Nuclear Information (UCNI), or safeguards information (SGI) per 10CFR73.21. If questions arise with respect to work classification or sensitivity associated with work activities before, during or after this contractual activity, the TM is to be consulted.