

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

BPA NO. 1. CONTRACT ID CODE PAGE 1 OF 4

2. AMENDMENT/MODIFICATION NO. M007 3. EFFECTIVE DATE See Block 15c. 4. REQUISITION/PURCHASE REQ. NO. NSR-11-1930 111930 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. 11140 ROCKVILLE PK STE 500 ROCKVILLE MD 208523116 9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER NO. GS23F0060L NRC-DR-07-09-545 10B. DATED (SEE ITEM 13) 09-29-2009

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) 2011-11-17-4-186 N4123 2352A 31x0200.111 Obligate \$44,931.88 DONS:150135445 NAICS CODE: 541690 FAMIS: 111930

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 data, 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: 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.)

.....REFER TO ATTACHED PAGE TWO FOR A DESCRIPTION OF MODIFICATION NO SEVEN.....

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) Jalal Zamanali, VP Risk Assesment 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Jeffrey R. Mitchell Contracting Officer 15B. CONTRACTING OFFICER'S SIGNATURE [Signature] 15C. DATE SIGNED 5/23/11 16B. UNITED STATES OF AMERICA BY [Signature] 16C. DATE SIGNED 5/23/2011

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

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

SUNSI REVIEW COMPLETE

TEMPLATE - ADM001

MAY 24 2011

ADM002

The purpose of this modification is to (1) to incorporate the revised Statement of Work, (2) increase the contract ceiling by \$39,314.96 from \$307,617.39 to \$346,932.35, (3) provide incremental funding in the amount of \$44,931.88 thereby increasing the total obligations from \$302,000.47 to \$346,932.35 and (4) revise the contract price schedule. Accordingly the contract is modified as follows:

- 1) Refer to the "Statement of Work" is here by deleted in its entirety and replaced with the following Statement of Work attached to this Modification No. 7 entitled "Statement of Work Rev 1".
- 2) Refer to section A.1 entitled "PRICE SCHEDULE" is hereby deleted in its entirety and replaced with the following: (The items in bold notate the change)

Award Date - 03/31/2010				
	Labor Category	Est. Hrs	Labor Rates	Est. Total
001	Senior Scientist Fellow		\$	\$
002	Engineering Fellow		\$	\$
003	Principal Engineer 2		\$	\$
004	Engineer		\$	\$
005	Lead Scientist		\$	\$
006	Sr. Scientist 2		\$	\$
007	Admin Specialist 3		\$	\$
Travel - inclusive of G&A				\$
TOTAL				\$ 90,562.86

04/01/2010 - 09/30/2010				
	Labor Category	Est. Hrs	Labor Rates	Est. Total
008	Senior Scientist Fellow		\$	\$
009	Engineering Fellow		\$	\$
010	Principal Engineer 2		\$	\$
011	Engineer		\$	\$
012	Lead Scientist		\$	\$
013	Sr. Scientist 2		\$	\$
014	Admin Specialist 3		\$	\$
Travel - inclusive of G&A				\$
TOTAL				\$ 143,486.39

10/01/2010 - 03/31/2011				
	Labor Category	Est. Hrs	Labor Rates	Est. Total
015	Senior Scientist Fellow		\$	\$
016	Engineering Fellow		\$	\$
017	Principal Engineer 2		\$	\$
018	Engineer		\$	\$
019	Lead Scientist		\$	\$
020	Sr. Scientist 2		\$	\$
021	Admin Specialist 3		\$	\$
Travel - inclusive of G&A				\$
TOTAL				\$ 35,775.48

04/01/2011 - 06/30/2011				
	Labor Category	Est. Hrs	Labor Rates	Est. Total
022	Senior Scientist Fellow	[REDACTED]	\$ [REDACTED]	\$ [REDACTED]
023	Engineering Fellow	[REDACTED]	\$ [REDACTED]	\$ [REDACTED]
024	Principal Engineer 2	[REDACTED]	\$ [REDACTED]	\$ [REDACTED]
025	Engineer	[REDACTED]	\$ [REDACTED]	\$ [REDACTED]
026	Lead Scientist	[REDACTED]	\$ [REDACTED]	\$ [REDACTED]
027	Sr. Scientist 2	[REDACTED]	\$ [REDACTED]	\$ [REDACTED]
028	Admin Specialist 3	[REDACTED]	\$ [REDACTED]	\$ [REDACTED]
Travel - inclusive of [REDACTED] G&A				\$ [REDACTED]
TOTAL				\$ 37,792.67

07/01/2011 - 03/31/2012				
	Labor Category	Est. Hrs	Labor Rates	Est. Total
029	Senior Scientist Fellow	[REDACTED]	[REDACTED]	[REDACTED]
030	Engineering Fellow	[REDACTED]	[REDACTED]	[REDACTED]
031	Principal Engineer 2	[REDACTED]	[REDACTED]	[REDACTED]
032	Engineer	[REDACTED]	[REDACTED]	[REDACTED]
033	Lead Scientist	0	[REDACTED]	0
034	Sr. Scientist 2	0	[REDACTED]	0
035	Admin Specialist 3	0	[REDACTED]	0
Travel - inclusive of [REDACTED] G&A				[REDACTED]
TOTAL				\$30,687.07

04/01/12 - 06/31/2012				
	Labor Category	Est. Hrs	Labor Rates	Est. Total
036	Senior Scientist Fellow	[REDACTED]	[REDACTED]	[REDACTED]
037	Engineering Fellow	[REDACTED]	[REDACTED]	[REDACTED]
038	Principal Engineer 2	[REDACTED]	[REDACTED]	[REDACTED]
039	Engineer	[REDACTED]	[REDACTED]	[REDACTED]
040	Lead Scientist	0	[REDACTED]	0
041	Sr. Scientist 2	0	[REDACTED]	0
042	Admin Specialist 3	0	[REDACTED]	0
Travel - inclusive of [REDACTED] G&A				[REDACTED]
TOTAL				\$8,627.89

Labor Category	Est. Hrs		Est. Total
Senior Scientist Fellow	[REDACTED]		[REDACTED]
Engineering Fellow	[REDACTED]		[REDACTED]
Principal Engineer 2	[REDACTED]		[REDACTED]
Engineer	[REDACTED]		[REDACTED]
Lead Scientist	[REDACTED]		[REDACTED]
Sr. Scientist 2	[REDACTED]		[REDACTED]
Admin Specialist 3	[REDACTED]		[REDACTED]
Travel - inclusive of G&A	[REDACTED]		[REDACTED]
TOTAL	[REDACTED]		\$346,932.35

3) Refer to section A.2 entitled "CONSIDERATION AND OBLIGATION – LABOR CONTRACT" paragraph (a) and (b) are deleted in their entirety and replaced with the following:

"(a) The total not to exceed cost to the Government for full performance of this contract is \$346,932.35"

"(b) The amount currently obligated by the Government with respect to this contract is \$346,932.35"

All other terms and conditions remain unchanged.

NRC-DR-07-09-545

Modification 007

STATEMENT OF WORK REV1

Combined License (COL) Applications Processing with Respect to: Physical Security Requirements

1.0 BACKGROUND

This modified effort from the NRC office of Nuclear Security and Incident Response (NSIR) will consist of three components or technical areas for three separate COL application reviews. This agreement will specify the three technical area(s) to be worked on, specific activities to be performed under the technical area (or areas) noted, desired schedule for completion of each activity and resources to be applied to each activity.

The "Combined License (COL) Application Review" work will be funded from JCN N4123.

The NRC Office of NSIR, Reactor Security Rulemaking and Licensing Branch (RSRLB) staff will commence the review of these three COL applications beginning in FY09, and anticipated to end in June 2012. To align with the NRO EPM schedule, the period of performance should be extended to June 30, 2012. For the three individual COL Applications included in this Task Order, differing Technical Monitor's will be assigned to each individual COL application as defined under this Task Order. The Project Officer for the overall Task Order is James Vaughn.

Early Site Permits (ESP), standard Design Certifications (DC) and Combined Operating Licenses (COL) applications are submitted pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR), Part 52, "Early Site Permits; Standard Design Certifications; and Combined Licenses for Nuclear Power Plants." The NRC reviews these requests based on information furnished by ESP, DC and COL applicants pursuant to 10 CFR 52.79, Contents of Applications Technical Information.

The NRC staff has prepared Regulatory Guide (RG) 1.204, and NUREG-0800, "Standard Review Plan (SRP) for the Review of Safety Analysis Reports for Nuclear Power Plants," 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 RG and 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).

The NRC Office of Nuclear Security and Incident Response (NSIR), Division of Security Policy Reactor Security Rulemaking Licensing Branch (RSRLB) staff is currently commencing the review of COL applications.

2.0 OBJECTIVE

The objective is to obtain technical expertise from the contractor to support the processing of three COL applications with respect to the review of plans and documentation of the results of that review, in a draft SER. The scope of work, technical considerations, and Level of Effort

required for each applicant, shall be further defined by the NRC after the award of the task order. The three COL applications are as follows:

1) Dominion – North Anna: The applicant for the North Anna COL review changed its design selection from ESBWR to the USAPWR design. This change results in starting anew with the security-related technical review to identify differences between the ESBWR and USAPWR designs and potential changes to the applicants COL application as it they related to security.

2) Unistar – Calvert Cliffs: POP was extended to June 2012 to complete the technical review of supplemental RAIs.

3) NRG Energy – South Texas Project: POP was extended to June 2012 to complete the technical review of supplemental RAIs.

3.0 WORK REQUIREMENTS, SCHEDULE AND DELIVERABLES

Tasks/Standards	Scheduled Completion	Deliverables
<p>1. REQUIREMENT: Perform and document review of each COL application – as assigned by the NRC Project Officer and Technical Monitor, with respect to physical security. Specific activities of review of the application may consist of, but may not be limited to the following criteria in Tasks (a) through (f).</p> <p>STANDARD(s): The Task 1. reviews shall follow template(s), and instructions from the NRC, as conveyed in Task 2 and/or as defined by the NRC.</p>	<p>Depends on the specific scope of the activity. Schedules will be identified by the staff and the TM for each specific activity.</p>	<p>Draft documented technical review of the specific aspect of the application and/or RAIs developed.</p>
<p>(a) Reviews of the described components of the applicant security plans as submitted:</p> <ol style="list-style-type: none"> 1. Physical Security Plan(s) 2. Contingency Response Plan(s) and/or 3. Training and Qualification Plan(s). <p>Perform and document review of the design certification review in support of the North Anna COL application (including the PSP, T&QP, and SCP). Generate a response to RAIs and prepare second round RAIs for North Anna. Review and provide comments to second round RAIs for Calvert Cliffs and South Texas Project COLs.</p>	<p>Depends on the specific scope of the activity. Schedules will be identified by the staff and the TM for each specific activity.</p>	<p>Draft documented technical review of the specific aspect of the application and/or RAIs developed.</p>

Tasks/Standards	Scheduled Completion	Deliverables
(b) Review of COL action items referenced in the DC document.	Depends on the specific scope of the activity. Schedules will be identified by the staff and the TM for each specific activity.	Draft documented technical review of the specific aspect of the application and/or RAIs developed.
(c) Review of COL holder items, as defined by the NRC PO and TM.	Depends on the specific scope of the activity. Schedules will be identified by the staff and the TM for each specific activity.	Draft documented technical review of the specific aspect of the application and/or RAIs developed.
(d) Review of design commitments for the referenced design as addressed by the applicant. Review, determine and document the target sets, vital equipment and vital areas referenced in the USAPWR design. Generate RAIs from the review of the USAPWR design. Review, determine and document, if any, technical reports, the design certification renewal application for COL actionable items related to the North Anna Unit 3 COL application.	Depends on the specific scope of the activity. Schedules will be identified by the staff and the TM for each specific activity.	Draft documented technical review of the specific aspect of the application and/or RAIs developed.
(e) Review of the ITAAC as addressed by the applicant. Generate a response to RAIs and prepare second round RAIs for North Anna.	Depends on the specific scope of the activity. Schedules will be identified by the staff and the TM for each specific activity.	Draft documented technical review of the specific aspect of the application and/or RAIs developed.

Tasks/Standards	Scheduled Completion	Deliverables
<p>(f) Review of the security assessment analysis as performed by the applicant as applicable.</p>	<p>Depends on the specific scope of the activity. Schedules will be identified by the staff and the TM for each specific activity.</p>	<p>Draft documented technical review of the specific aspect of the application and/or RAIs developed.</p>
<p>2. REQUIREMENT: Compose recommended Technical Evaluation Reports (TER), and Safety Evaluation Reports (SER) or portions thereof, for each COL application, as assigned by the NRC.</p> <p>Incorporate changes and NSIR comments to the SGI and public versions of the SER and FSAR for chapters 13.6 and 14.3.12.</p> <p>STANDARD: The TER/SER shall follow a template, as conveyed by the NRC staff, for the physical security review of the COL application. The TER/SER shall document the RAIs issued to the applicant and the resolution of the applicant's response to each RAI. The documented TER/SER refers to the applicable NRC regulations and guidance that apply.</p>	<p>Dependant on the scope of the TER/SER to be written. Schedules will be identified by the staff and the TM for each specific activity.</p>	<p>Draft documented TER/SER or portions thereof for the COL application, as directed by the TM. Written technical review comments documenting the recommended acceptability and/or adequacy of the specific part of the COL application and/or recommended requests for additional information (RAI).</p>
<p>2. Other. REQUIREMENT: As needed and requested by the staff, provide technical support to the staff during related ACRS meetings with applicants and hearing proceedings.</p> <p>STANDARD: Ensure presentation materials are reviewed and approved by NRC staff.</p>	<p>TBD</p>	<p>Prepare presentation materials. Attend meetings, if required</p>

* These work schedules are subject to change by the NRC – 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 SOW, cost or period of performance of this task order must be issued by the NRC – CO, and will be coordinated with the NRC, New Reactor Office (NRO), Project Officer.

4.0 TECHNICAL AND OTHER SPECIAL QUALIFICATIONS REQUIRED

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 and specific knowledge of physical protection programs as applied at and associated with nuclear power reactor 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 protection programs, equipment, and systems at nuclear facilities.
- Ability to obtain access authorization to the safeguards information (per 10CFR73.21) level
- General knowledge of the development of NRC - 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 respective applicant - NRC TM's as follows:

Dominion – North Anna, TM – Judy Johnson Judy.Johnson@nrc.gov (301) 415-6671;

Unistar - Calvert Cliffs – TM - Pete Lee pete.lee@nrc.gov (301) 415-8111;

NRG Energy – South Texas Project – TM - Vince Williams vince.williams@nrc.gov (301)-415-6844;

The PO for all Task Orders is Robert Dexter. robert.dexter@nrc.gov (301) 415-7660;

Technical reporting requirements

The primary deliverable or output of this contract will be activity specific as assigned by the NRC TM. Deliverables and products may include, but may not be limited to recommended draft recommended TERs or SERs (or portions thereof) for specifically identified DC or COL applications, technical review of ITAAC submitted by a new reactor applicant, tracking of design commitments in a Design Certification, 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 (TER)*. The TER will serve as input to the NRC staff's (SER) which will document the NRC's technical, safety, and legal basis for approving the COL 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.

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 Microsoft 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-4123; Task Order No. NSR-09-545 as appropriate and applicable; the applicant – as submitted, the site, as cited by the applicant in the submittal.

6.0 MEETINGS AND TRAVEL

Meetings as required*. Generally no travel is necessary due to the contractor being in close proximity to NRC HQ. **Increase travel related to the North Anna review by one trip for two travelers to the North Anna Site.**

*At the discretion of the NRC TM/CO, meeting(s) 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., 10CFR73.55 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 COL, DC, or other NRC safety documents and docketed correspondence on related issues, as appropriate. The 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 staff from NUDOCS, ADAMS, NRC public document room or the NRC website at www.nrc.gov.

8.0 PERIOD OF PERFORMANCE

This order will commence at award date and will expire on 6/30/2012.

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 number(s).

b. Assumptions and Understandings:

NOTE: This SOW describes JCN 4123, These Tasks and will be titled "Combined License (COL) Applications Processing with Respect to Physical Security Requirements – "for the applicant and each site as referenced."

1. It is assumed that the staff 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 NRC TM, and possibly other NRC personnel, may travel to the contractor's location 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.

10. 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.