

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

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

2. AMENDMENT/MODIFICATION NO. M002 3. EFFECTIVE DATE 03-14-2008 4. REQUISITION/PURCHASE REQ. NO. RES-06-068-T002-M002 RES-C08-347 (FFS #) 5. PROJECT NO. (if applicable)

6. ISSUED BY U.S. Nuclear Regulatory Commission Div. of Contracts Attn: H. (Eddie) Colón, Jr. Mail Stop T-7-I-2 Washington, DC 20555 CODE 3100 7. ADMINISTERED BY U.S. Nuclear Regulatory Commission Div. of Contracts Mail Stop T-7-I-2 Washington, DC 20555 CODE 3100

8. NAME AND ADDRESS OF CONTRACTOR INFORMATION SYSTEMS LABORATORIES ATTN.: MR. JAMES F. MEYER, MANAGER 11140 ROCKVILLE PIKE STE 500 ROCKVILLE MD 208523106 CODE 150135445 FACILITY CODE 9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER NO. NRC-04-06-068 TASK ORDER 002 10B. DATED (SEE ITEM 13) 09-19-2006 X

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) 860-15-171-105 N6359 252A 31X0200.860 OBLIGATE: \$50,000.00 (FFS Commitment #: RES-C08-347)

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

(X) 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: 52.243-2 CHANGES--COST REIMBURSEMENT (AUG 1987) ALTERNATE I (APR 1984) D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, X is required to sign this document and return two(2) copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) See Pages 2 - 4 for a description of this modification.

Period of Performance: September 20, 2006 - October 31, 2008 (Changed) Ceiling Amount: \$574,908.00 (Changed) Obligated Amount: \$574,652.00 (Changed)

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. Mrowca V.P. 15B. CONTRACTOR/OFFICER (Signature of person authorized to sign) 15C. DATE SIGNED 4/15/08 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Heriberto Colón, Jr. Contracting Officer 16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer) 16C. DATE SIGNED 04-08-2008

The purpose of this modification is to:

(1) increase the ceiling of **Task Order No. 002** to allow ISL, Inc. to provide the NRC with additional debugging support for the AREVA SRELAP5 input deck and simulation of SBLOCA. As a result, the total estimated amount (ceiling) of Task Order No. 002 is increased by **\$50,256.00**, from \$524,652.00 to **\$574,908.00**.

This modification confirms the authorization provided to ISL, Inc. via email dated 3/14/2008 to commence work under this effort, effective March 14, 2008, with a temporary cost ceiling not-to-exceed \$10,000.00.

*Reference is made to ISL, Inc.'s proposal dated 3/5/2008, as revised 3/18/2008, in response to this effort.*

(2) provide incremental funding in the amount of **\$50,000.00**, thereby increasing the obligated amount from \$524,652.00 to **\$574,652.00**.

(3) extend the period of performance of **Task Order No. 002** through **October 31, 2008**.

Accordingly, the **Task Order No. 002** is modified as follows:

1. The last paragraph of OPTION FORM 347 - Order for Supplies of Services starting with "**Task Order No. 002** shall be effective..." is DELETED entirely REPLACED with the following:

"**Task Order No. 002** shall be effective September 20, 2006 through **October 31, 2008**, with a total cost ceiling of **\$574,908.00**. The amount of **\$532,458.00** represents the reimbursable costs, and the amount of **\$42,450.00** represents the fixed fee."

2. Section A.1 CONSIDERATION AND OBLIGATION--COST PLUS FIXED FEE (JUN 1988) ALTERNATE 1 (JUN 1991) is DELETED entirely and REPLACED with the following:

**"A.1 CONSIDERATION AND OBLIGATION--COST PLUS FIXED FEE (JUN 1988) ALTERNATE I (JUN 1991)**

(a) The total estimated cost to the Government for full performance of **TASK ORDER 002** is \$574,908.00 of which the sum of \$532,458.00 represents the estimated reimbursable costs, and of which \$42,450.00 represents the fixed fee.

(b) There shall be no adjustment in the amount of the Contractor's fixed fee by reason of differences between any estimate of cost for performance of the work under this contract and the actual cost for performance of that work.

(c) The amount currently obligated by the Government with respect to **TASK ORDER 002** is \$574,652.00, of which the sum of \$532,220.90 represents the estimated reimbursable costs, and of which \$42,431.10 represents the fixed fee.

(d) It is estimated that the amount currently allotted will cover performance through October 15, 2008."

3. Under **Task 4. - Analysis and Evaluation** of the Statement of work, ADD the following after the last paragraph:

*"...Due to the delay in receiving the FANP SRELAP5 input deck and difficulties experienced during the simulation of SBLOCA, the NRC has expanded the debugging effort for these models. First, the LBLOCA transient shall be performed with a simplified one-dimensional vessel mode. After the shakedown is complete a detailed three-dimensional model with VESSEL component shall be incorporated in the LBLOCA deck. The SBLOCA model shall be refined with the VESSEL component later as well. The LBLOCA and SBLOCA decks that shall be delivered under this task shall include all the clarifications and changes of control set points that have been identified by AREVA since this effort began."*

4. Under **Section V. SCHEDULE OF DELIVERABLES**, ADD the following two deliverables and schedule:

Deliverable	Due Date
3-D LBLOCA model	May 1, 2008
3-D SBLOCA	September 30, 2008

A summary of NRC obligations for **Task Order No. 002** from the date of the award through this modification is provided below:

Total FY06 obligations.....	\$524,652.00
Total FY07 obligations.....	\$ 0.00
Total FY08 obligations.....	<del>\$ 50,000.00</del>
Cumulative Total of NRC Obligations:	<b>\$574,652.00</b>

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.

This modification obligates FY2008 funds in the amount of \$50,000.00.