

2. AMENDMENT/MODIFICATION NO. M005
 3. EFFECTIVE DATE See block 15c.
 4. REQUISITION/PURCHASE REQ. NO. RES-13-060
 5. PROJECT NO. (if applicable)

6. ISSUED BY CODE 3100
 U.S. Nuclear Regulatory Commission
 Div. of Contracts
 Attn: Adelis M Rodriguez; 301-492-3623
 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
 11140 ROCKVILLE PIKE, SUITE 650
 ROCKVILLE MD 20852
 CODE 960756138 FACILITY CODE
 9A. AMENDMENT OF SOLICITATION NO.
 9B. DATED (SEE ITEM 11)
 10A. MODIFICATION OF CONTRACT/ORDER NO.
 GS23F0060L NRC-HQ-11-P-04-0034
 10B. DATED (SEE ITEM 11)
 01-07-2011

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) N/A
 DUNS: 960756138 NAICS: 541712 PSC: R425

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 SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). (such as changes in paying office, appropriation data, etc.)
 C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
 D. OTHER (Specify type of modification and authority) FAR 43.103(a) Bilateral Contract Modification

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.)
 The purpose of this modification is to extend the period of performance and modify the deliverable schedule at no additional cost to the government. This modification also updates the section A.7 entitled: "2052.215-70 Key Personnel (JAN 1993)".
 See following pages for details.
 All other terms and conditions remain unchanged.
 Total Obligation Amount: \$473,000 (unchanged)
 Total Order Ceiling: \$523,259.46 (unchanged)
 Period of Performance: 1/6/2011-6/30/2013 (changed)

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

15A. NAME AND TITLE OF SIGNER (Type or print) William Arcieri
 Interim Division Manager, Energy & Space Div
 15B. CONTRACTOR/OFFEROR
 William Arcieri
 (Signature of person authorized to sign)
 15C. DATE SIGNED
 12/13/12
 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
 Adelis M Rodriguez
 Contracting Officer
 16B. UNITED STATES OF AMERICA
 BY Adelis M Rodriguez
 (Signature of Contracting Officer)
 16C. DATE SIGNED
 12/12/12

The purpose of this modification is to extend the period of performance and to revise the deliverable schedule at no additional cost to the government. This modification also revises section A.7 of the contract entitled: "2052.215-70 Key Personnel (JAN 1993). Accordingly, this order is modified as follows:

1. Section A.3 of the contract entitled: "Duration of Contract Period (MAR 1987) is deleted in its entirety and revised to read as follows:

"This contract shall commence on January 6, 2011 and shall expire on June 30, 2013."

2. The Section entitled: "Reporting Requirements" in the statement of work is deleted in its entirety and revised to read as follows:

REPORTING REQUIREMENTS

In addition to each required monthly letter status report as discussed below, it is expected that the contractor will provide the following reports for each task via email in Microsoft Word format to both the NRC project manager and Technical Monitor:

Task	Report	Due Date (Months After Contract Award) Highlighted dates are revised dates
1a Define End User Needs	Short letter report containing: <ul style="list-style-type: none"> • Summary description of the simplified Probabilistic Risk Assessment (PRA) method capabilities and requirements. • Outline of the final report with pertinent details identified. 	2 months – 3/6/2011
1b Define the List of Sequences to Be Considered	Short letter report containing: <ul style="list-style-type: none"> • Table listing the pressure induced and temperature induced sequences for which conditional probabilities of C-SGTR will be reported. <p>Note: Task 1b can be done in conjunction with Task 1a and be documented in the same short letter report.</p>	2 months – 3/6/2011
1c Identify the Key Inputs Needed for the C-SGTR Risk Assessment Tool	Short letter report: <ul style="list-style-type: none"> • Identifying the key inputs needed for the C-SGTR risk assessment tool. • Describing any revisions needed for the final report outline prepared in Task 1a. 	3 months – 4/6/2011

Task	Report	Due Date (Months After Contract Award) Highlighted dates are revised dates
1d Prepare a Summary Report Documenting Task 1	Short letter report: <ul style="list-style-type: none"> • Documenting the output of Tasks 1a, 1b, and 1c. • Identifying any important issues that the contractor believes to be outside the scope of the contract. • Determining if the original schedule, scope, and/or resource estimates are affected. • Identifying any perceived input issues (e.g., availability of T-H or material data) that may affect the timely production of the final report. 	4 months – 5/6/2011
2a Create the Simplified Method	Short letter report: <ul style="list-style-type: none"> • Documenting creation status. 	To be included in the draft report due on 12/31/2012 And at the end of each following month until told to stop by the NRC Technical Monitor.
2b Incorporate Input from RES into the Model	Short letter report: <ul style="list-style-type: none"> • Documenting what input data will be necessary to create the simplified risk assessment method. 	To be included in the draft report due on 12/31/2012 And at the end of each following month until told to stop by the NRC Technical Monitor.
2c Calculate or Provide the Conditional C-SGTR Probabilities for the Scenarios Defined In Task 1b.	Short letter report: <ul style="list-style-type: none"> • Providing SG tube failure probabilities for the T-H sequences selected in Task 1b. 	To be included in the draft report due on 12/31/2012

Task	Report	Due Date (Months After Contract Award) Highlighted dates are revised dates
2d In Parallel With Tasks 2a to 2c, Start Generating the Draft Form of the Final Report, Using the Outline Obtained from Tasks 1a and 1b.	Draft Form of the Final Report: <ul style="list-style-type: none"> Current copy of the draft final report, as it exists at the end of each month. 	5 months – 6/6/2011 And at the end of each following month until told to stop by the NRC Technical Monitor.
2e At 4 to 6 Month Intervals, Provide a Presentation in the RES Offices About the Current Technical Status of the Report.	Short letter report: <ul style="list-style-type: none"> Documenting the presentation. Presentation slides shall be attached to the report. 	5 months, for first presentation – 6/6/2011 At 4 to 6 month intervals after first presentation. (from 10/6/2011-12/10/2011)
3a Issue Final Draft Report to RES for Distribution and NRR Comment/Approval.	Issue final draft report.	To be included in the draft report due on 12/31/2012
3b Respond to NRC Comments on the Final Report and Issue Final Report.	Issue final report	6/20/2013

3. Paragraph (a) of Section A.7 of the order is revised to remove Marcos Ortiz, Bruce Mrowca and Jalal Zamanali. Accordingly, it is revised to read as follows:

(a) "The following individuals are considered to be essential to the successful performance of work hereunder:

- Mohamad Ali Azarm

The contractor agrees that personnel may not be removed from the contract work or replaced without compliance with paragraphs (b) and (c) of this section."

All other terms and conditions remain unchanged.