

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		BPA NO.	1. CONTRACT ID CODE	PAGE 1	OF 3
2. AMENDMENT/MODIFICATION NO. M002		3. EFFECTIVE DATE See Block 15c.	4. REQUISITION/PURCHASE REQ. NO. NRC-04-06-068 T10M2 RES-C10-691	5. PROJECT NO. (if applicable)	
6. ISSUED BY U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Jeffrey R. Mitchell, 301-492-3639 Mail Stop: TWB-01-B10M Washington, DC 20555	CODE 3100	7. ADMINISTERED BY (if other than item 6) U.S. Nuclear Regulatory Commission Div. of Contracts Mail Stop: TWB-01-B10M Washington, DC 20555		CODE 3100	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) INFORMATION SYSTEMS LABORATORIES ISL ATTN: DR. JAMES F. MEYER 11140 ROCKVILLE PIKE STE 500 ROCKVILLE MD 208523106			(X)	9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
				10A. MODIFICATION OF CONTRACT/ORDER NO. NRC-04-06-068 NRC TASK ORDER 010	
				10B. DATED (SEE ITEM 13) 12-16-2009	
CODE		FACILITY CODE		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) 060-15-171-277 N6969 252A 31x0200.060
Obligate \$44,000.00

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 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. TWO.....

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

15A. NAME AND TITLE OF SIGNER (Type or print) DANIEL A. PRELEWICZ VICE-PRESIDENT & DEPUTY MANAGER		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Jeffrey R. Mitchell Contracting Officer	
15B. CONTRACTOR/OFFEROR <i>(Signature of person authorized to sign)</i>	15C. DATE SIGNED 7/19/10	15B. UNITED STATES OF AMERICA <i>(Signature of Contracting Officer)</i>	15C. DATE SIGNED 7/19/2010

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

STANDARD FORM 50 (REV. 10-83)
Prescribed by GSA - FAR (48 CFR) 53.243

SUNSI REVIEW COMPLETE

JUL 20 2010

ADMOO2

TEMPLATE - ADM001

The purpose of this modification is to (1) to incorporate the revisions to the task order Statement of Work, (2) increase the contract ceiling by \$64,713.00 from \$48,367.00 to \$113,080.00, (3) provide incremental funding in the amount of \$44,000.00 thereby increasing the total obligations from \$48,367.00 to \$92,367.00 and (4) extend the period of performance from July 1, 2010 to August 31, 2010. Accordingly, the subject task order is modified as follows:

Task Order No. 10 shall be in effect from December 16, 2009 through August 31, 2010, with a cost ceiling of \$113,080.00. The amount of \$104,705.00 represents the estimated reimbursable costs, and the amount of \$8,375.00 represents the fixed fee.

The amount obligated by the Government with respect to this task order is \$92,367.00, of which \$85,526.00 represents the estimated reimbursable costs, and the amount of \$6,841.00 represents the fixed fee.

Refer to the Task Order No. 10 "Statement of Work" and make the following changes:

MODIFIED SCOPE OF WORK

Task 1: Continue the Development of APEX Model for AP1000

Estimated completion date: ~~Preliminary Model/Reports 10 weeks after contract award, Final Model/Reports 18 weeks after contract award~~ APEX-AP1000 TRACE model development calculation notebook 1 month after contract modification.

ADD Task 2: Revise AP1000 TRACE Applicability Report

The contractor shall revise the final applicability report entitled "Adequacy of TRACE Version 5.0 Patch 1 for AP1000 Accident Analysis" to incorporate NRC comments. The assessments presented in the report shall be based on a single TRACE version.

Estimated completion date: 1 month after contract modification

ADD Task 3: Revise AP1000 Plant Transient Reports

The contractor shall revise the following three plant transient reports to address NRC comments provided as part of the referenced contract:

- **ISL-NSAD-TR-09-01, "TRACE 5.0 Analyses of a Double-Ended Cold Leg Break, a DVI Line Break and a Main Steam Line Break in the AP1000 Power Plant"**
- **ISL-NSAD-TR-09-05, "TRACE 5.0 Analyses of Double-Ended and Split Cold Leg Breaks and a Station Blackout Event in the AP1000 Power Plant"**
- **ISL-NSAD-TR-09-08, "TRACE 5.0 Analyses of Double-Ended DVI Line Breaks, Two-Inch Cold Leg Breaks and a SG Tube Rupture Transient in the AP1000 Power Plant"**

Estimated completion date: 1 month after contract modification

TECHNICAL DIRECTION

Technical direction will be provided by the Project Manager, Shawn Marshall, and Technical Monitor, Joseph Borowsky-Ronald Harrington, who can be reached at:

NRC-04-06-068 NRC TASK ORDER 010 M002

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