

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		BPA NO.	1. CONTRACT ID CODE	PAGE 1	OF PAGES 3
2. AMENDMENT/MODIFICATION NO. M007		3. EFFECTIVE DATE See Block 15c.	4. REQUISITION/PURCHASE REQ. NO. RES-02-071	5. PROJECT NO. (If applicable)	
6. ISSUED BY U.S. Nuclear Regulatory Commission Div of Contracts Two White Flint North - MS T-7-I-2 ATTN: Rachel Glaros, (301) 415-0588 Washington, DC 20555		3100	7. ADMINISTERED BY (If other than Item 6) U.S. Nuclear Regulatory Commission Div of Contracts Two White Flint North - MS T-7-I-2 ATTN: Rachel Glaros (301) 415-0588 Washington, DC 20555		3100

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		(X)	9A. AMENDMENT OF SOLICITATION NO.
MODELING & COMPUTING SERVICE			9B. DATED (SEE ITEM 11)
6560 GUNPARK DR STE B			10A. MODIFICATION OF CONTRACT/ORDER NO. NRC-04-02-071
BOULDER CO 803011337			10B. DATED (SEE ITEM 13) 08-19-2002
CODE 183196435	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) RES-C06-600 31X0200.660 66015111193 Y6638 252A \$89,560

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

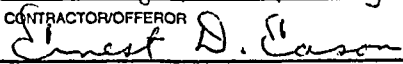
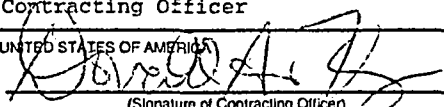
(X)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET 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: FAR 43.103 (a) (3)
	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor ☐ is not, ☒ is required to sign this document and return 2 copies to the issuing office.

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

See attached pages for description of modification

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) Ernest D. Eason, Member/Manager Modeling & Computing Services, LLC		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) DONALD A. KING Contracting Officer	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 4/3/06	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 3/30/06

STANDARD FORM 30 (REV. 10-83)

TEMPLATE - ADM001

SUNSI REVIEW COMPLETE

ADM001

3. Add the following paragraph under SECTION C.1.5 TASK 3 STATISTICAL ANALYSIS:  
As directed by the Project Officer, the Contractor shall provide necessary statistical analysis and technical expertise for any modification of the embrittlement correlation.

Estimated Level of Effort: 200 hours

4. Add the following paragraph under SECTION C.2. TASK 4 MEETINGS ATTENDANCE:

The contractor shall participate and support the staff presentation of the proposed revision of RG 1.99, Revision 2 in ACRS meetings at NRC Headquarters in Rockville, MD upon request by the Project Officer and address ACRS questions during and after the meeting.

Estimated Level of Effort: 100 hours

5. Add the following paragraph under SECTION C.2.1 MEETINGS AND TRAVEL:

During the fifth year of the contract, the Contractor shall attend two ACRS meetings at NRC Headquarters in Rockville, MD for 1 contractor personnel for two days each in support of staff presentation of the proposed revision of RG 1.99, Revision 2.

Estimated Level of Effort: 48 hours

6. Add the following deliverables under SECTION F.5 REPORTING REQUIREMENTS

Draft NUREG/CR documenting the technical basis for the revision of RG 1.99, Revision 2 (Due Date: 1 month after start of Modification 7 or the date established by the Project Officer)

Draft revision of RG 1.99, Revision 2 (Due Date: 3 month after start of Modification 7 or the date established by the Project Officer)

Final NUREG/CR documenting the technical basis for the revision of RG 1.99, Revision 2 (Due Date: 5 months after start of Modification 7 or the date established by the NRC Project Officer)

Final revision of RG 1.99, Revision 2 (Due Date: 5 months after start of Modification 7 or the date established by the NRC Project Officer)

7. Delete SECTION F.12 DURATION OF CONTRACT in its entirety and replace as follows:  
This contract shall commence on August 19, 2002 and will expire on February 28, 2007.

8. As result of this modification the obligated amount and contract ceiling is increased by \$89,560, from \$384,880 to \$474,440.

9. All other terms and conditions of the contract remain the same.

The purposes of this modification are to: (1) make within scope changes to the statement of work (Section C); (2) increase the contract ceiling amount by \$89,560; (3) obligate \$89,560; (4) definitize the agreement between the NRC and Modeling & Computing Services, LLC on 2/28/2006, that the correct last day of the period of performance of the original contract is March 18, 2006; (5) definitizes the verbal authorization that was provided to Modeling & Computing Services, LLC on 3/9/2006, to begin work under Modification 7, effective 3/9/2006, with a temporary ceiling of \$15,600.00; and (6) extend the period of performance to February 28, 2007. Specific changes to the contract are as follows:

1. Section B.3 Consideration and Obligation—Labor Hour Contract

(i) Delete paragraphs a, c and d in their entirety and replace with the following:

(a) The total NOT TO EXCEED ceiling amount for the period of performance of the contract is \$474,440. In case shall the Contractor exceed this amount without prior written approval from the NRC Contracting Officer.

(c) The amount obligated by the Government with respect to this contract is \$474,440.

(d) It is anticipated that the obligated amount will cover performance through February 28, 2007.

(ii) Under paragraph e, add the following:

YEAR 5, (3/9/2006 - 2/28/2007)

	Quantity	Unit	Unit Price	Amount
Principal Engineer		Hour		\$87,360.00
Travel (NTE)		Trips		\$ 2,100.00
Direct Expenses (NTE) (bulk xeroxing, express delivery and order expenses)				\$ 100.00

Total TOTAL NTE YEAR 5 \$89,560.00

GRAND TOTAL AMOUNT \$474,440.00

2. Add the following paragraph under SECTION C.1.3 TASK 1 TECHNICAL ASSISTANCE:

The Contractor shall provide technical assistance to the staff on issues related to a NUREG (the technical basis document for the revision of Regulatory Guide (RG) 1.99, Revision 2) and the revision of RG 1.99, Revision 2 from draft to its final completion. This effort shall include (1) response to staff questions in all formats, (2) participation in meetings and telephone conferences requested by the Project Officer, and (3) work with Oak Ridge National Laboratory (ORNL) and the University of Santa Barbara (UCSB) to resolve all NRC and public comments on the draft NUREG and on the draft revision of RG 1.99, Revision 2.

Estimated Level of Effort: 100 hours