

**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**      BPA NO      1. CONTRACT ID CODE      PAGE 1 of 5

2. AMENDMENT/MODIFICATION NO. M002	3. EFFECTIVE DATE See block 15c.	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO (if applicable)
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6. ISSUED BY U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Adelis M Rodriguez, 301-492-3623 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
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)  AMEC NSS LIMITED  700 UNIVERSITY AVE 4 FL  TORONTO ON M5G 1X6	(X)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
		10A. MODIFICATION OF CONTRACT/ORDER NO. NRC-04-10-170 NRC-T001
	X	10B. DATED (SEE ITEM 13) 08-23-2010

CODE 201209546      FACILITY CODE

**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)      W/A  
 PPS: RES-C11-013  
 NAICS: 541690

**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(d)
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Bilateral agreement -FAR 52.243-2 Changes- Cost Reimbursement (AUG 1987) ALT 1 (APR 1984) & Mutual Agreement
	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor  is not.  is required to sign this document and return \_\_\_\_\_ 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 modify the statement of work to add additional work within scope hereby increasing the contract ceiling by \$17,074 from \$818,304 to \$836,178, of which \$761,787 represents reimbursable costs \$74,391 represents the fixed fee. See attached pages for more details. All other terms and conditions remain the same.

Total order ceiling: \$836,178 (changed)  
 Total Obligated Amount: \$147,306 (unchanged)  
 Period of Performance: 8/23/2010-8/22/2012 (unchanged)

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) WALTER THOMPSON VP - COMMERCIAL OPERATIONS, AMEC NSS	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Donald A. King Contracting Officer
15B. CONTRACTOR/OFFEROR <i>[Signature]</i> Signature of person authorized to sign	15C. DATE SIGNED 30 NOV 2010
16B. UNITED STATES OF AMERICA BY <i>[Signature]</i> Signature of Contracting Officer	16C. DATE SIGNED 11/24/2010

The section of Page 3 of the original order, which contains the cost elements, is revised to read as follows:

"...Please find the listing of prices below:

	Year 1	Increase	Revised Year 1	Year 2	TOTAL
Labor: Salaries and Wages	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Consultants	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Travel	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Total estimated costs plus fixed fee	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Task order cost by task:

	Original	Increase	Revised
Task 1 - Code assessment Plan and uncertainty methodology selection	[REDACTED]	[REDACTED]	[REDACTED]
Optional task 2 - Preliminary assessment of MELCOR	[REDACTED]	[REDACTED]	[REDACTED]
Optional task 3 - Implementation of uncertainty analysis methodology	[REDACTED]	[REDACTED]	[REDACTED]
Optional task 4 - Demonstration of uncertainty analysis methodology	[REDACTED]	[REDACTED]	[REDACTED]
<b>TOTAL</b>	[REDACTED]	[REDACTED]	<b>\$836,178.00</b>

The rest of page 3 remains the same.

The statement of work is modified as follows:

**MODIFIED SCOPE OF WORK**

**Section 3.1 - Task 1 – Code Assessment Plan and Uncertainty Methodology Selection**

1. Changes to the third paragraph:

The contractor shall deliver a draft plan to the government no later than (NLT) 2 months after award of Task 1; the government shall provide its comments 3 weeks after receiving the draft plan. The contractor shall deliver the final plan to the government no later than (NLT) Dec. 31, 2010. Upon review and approval of the final plan by the government and if the government exercises Option 1 (Task 2) below, the contractor shall begin work on Task 2 as directed by the government representative and in accordance with the guidelines and requirements of the base contract.

2. Changes to the sixth paragraph:

The contractor shall deliver a draft letter report to the government NLT 2 months after award of Task 1; the government shall provide its comments 3 weeks after receiving the

draft plan. The contractor shall deliver the final plan to the government no later than (NLT) Dec. 31, 2010. Upon review and approval of the final letter report by the government and if the government exercises Option 2 (Task 3) below, the contractor shall begin work on Task 3 as directed by the government representative and in accordance with the guidelines and requirements of the base contract.

3. Added a new seventh paragraph:

The contractor shall perform a high-level evaluation of the NGNP Evaluation Model and document the results in a draft letter report by Dec. 1, 2010; the government shall provide its comments 2 weeks after receiving the draft letter report. The contractor shall deliver the final letter report to the government no later than (NLT) Dec. 31, 2010.

4. Changes to Task 1 Travel Requirements:

*Travel Requirements* – It is assumed that 5 two-day trips to Rockville, MD will be required for Task 1.

5. Changes to Task 1 Deliverables:

*Deliverables* – As described above, the deliverables of this task shall be a plan (draft and final) for preliminary assessment of MELCOR, and a letter report (draft and final) that documents the evaluation and selection of the uncertainty method, and a letter report (draft and final) documenting a high-level evaluation of the NGNP Evaluation Model.

6. Changes to Task 1 Schedule and Level-of-Effort (LOE):

*Schedule and Level-of-Effort (LOE)* – Estimated LOE for Task 1 is 6 staff-months. Estimated completion date is 12/31/2010.

## **MODIFIED ANTICIPATED DELIVERABLES AND SCHEDULE**

### **Section 8 – Anticipated Deliverables and Schedule**

As described in Tasks 1 through 4 above, the contractor shall deliver the following:

- *Task 1* – A plan (draft and final) for preliminary assessment of MELCOR, a letter report (draft and final) that documents the evaluation and selection of the uncertainty method and a letter report (draft and final) that documents a high-level evaluation of the NGNP Evaluation Model. The overall schedule for complete of Task 1 is 12/31/2010.
- *Task 2 (Option 1, if exercised)* – All calculation notebooks, input decks, AVF input files, and any other extraneous scripts or files required to perform the

assessment, as well as a final letter report documenting the results of the assessment. The overall schedule is 12 months after award of Task 2.

- *Task 3 (Option 2, if exercised)* – The SNAP plug-in and a user's manual describing how to perform the uncertainty analysis. The overall schedule is 9 months after award of Task 3.
- *Task 4 (Option 3, if exercised)* – A letter report describing the results of the demonstration calculation. The overall schedule is 12 months after award of Task 4.

## **MODIFIED MEETINGS AND TRAVEL**

### **Section 10 – Meetings and Travel**

As described in Tasks 1 through 4 above, it is anticipated that requirements for in person meetings for this Task Order will be satisfied with the following travel:

- *Task 1* – 5 two-day trips to Rockville, MD.

The contractor (up to 4 staff members) shall participate by teleconference in 3 weekly meetings held at the NRC on the NGNP Evaluation Model lasting no more than 1.5 hours each.

The contractor (up to 2 staff members) shall participate by teleconference in a one-day (8 hour) meeting to review the results of the 3 Task 1 draft reports and the reports themselves.

- *Task 2 (Option 1, if exercised)* – 6 two-day trips to Rockville, MD.
- *Task 3 (Option 2, if exercised)* – 2 two-day trips to Rockville, MD.
- *Task 4 (Option 3, if exercised)* – 2 two-day trips to Rockville, MD

Meetings will be approved as needed for consultation with NRC staff or for presentation of the work at technical conferences or meetings. The contractor shall present the technical progress of the project at NRC headquarters on an annual basis, and make additional trips to NRC related contractor meetings and professional technical symposia as requested by the NRC PM. Any additional domestic travel to be charged against project funds requires prior approval by the NRC PM. All foreign travel related to and/or funded by the project must be approved in writing by the NRC PM and his management chain.

All other terms and conditions remain the same.