

2. AMENDMENT/MODIFICATION NO. M002 3. EFFECTIVE DATE 07-05-2012 4. REQUISITION/PURCHASE REQ. NO. ADM-12-422 5. PROJECT NO.(if applicable)

6. ISSUED BY CODE 3100 7. ADMINISTERED BY (If other than Item 6) CODE 3100
 U.S. Nuclear Regulatory Commission
 Div. of Contracts, MSA
 Attn: Manon Butt, 301-492-3629
 Mail Stop: TWB-01-B10M
 Washington, DC 20555
 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) (X) 9A. AMENDMENT OF SOLICITATION NO.
 AMERICAN SCIENCE AND ENGINEERING, INC.
 829 MIDDLESEX TPKE
 BILLERICA MA 018213907
 CODE 001767763 FACILITY CODE X 9B. DATED (SEE ITEM 11)
 10A. MODIFICATION OF CONTRACT/ORDER NO. NRC-10-10-427
 10B. DATED (SEE ITEM 13) 09-28-2010

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) B&R: 2012-40-51-F-170 JCN: D2362 BOC: 2570 APPNO: 31X0200
 FAIMIS# 122842 OBLIGATE \$38,439.00
 DUNS# 001767763 NAICS Code 334517 PSC J067

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).
 C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
 D. OTHER (Specify type of modification and authority) Unilateral Modification
 X

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.)
 Reference Contract NRC-10-10-427 for on-site equipment maintenance for the NRC's GEMINI parcel x-ray inspection systems.
 The purpose of this modification is to exercise Option Year Two, thereby extending the period of performance and increasing the ceiling, and to add incremental funding, as described on the following page.

NRC Project Officer: Susan Cusseaux, ADM/DFS/PSB, 301-415-6545, susan.cusseaux@nrc.gov
 AS&E Contact: Christopher Linscott, Services Business Asst, 978-262-8861 or 978-262-8725, clinscott@as-e.com

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) 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
 Manon L. Butt
 Contracting Officer
 15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 16B. UNITED STATES OF AMERICA 16C. DATE SIGNED
 BY Manon L. Butt 7/5/2012
 (Signature of person authorized to sign) (Signature of Contracting Officer)

TEMPLATE - ADM001 SUNSI REVIEW COMPLETE ADM002

Reference Contract NRC-10-10-427 for on-site equipment maintenance for the NRC's Gemini parcel x-ray inspection systems.

The purpose of this modification is to:

- 1) Exercise Option Year Two to extend the period of performance for the period October 20, 2012 through October 19, 2013. The revised period of performance is from September 28, 2010 through October 19, 2013.
- 2) Increase the ceiling amount of the contract by \$38,439.00, from \$73,903.00 to \$112,342.00.
- 3) Add incremental funding in the amount of \$38,439.00, thereby increasing the obligated amount from \$73,903.00 to \$112,342.00.

The following is a summary of obligations from the date of award through the date of this action:

Award FY10 Obligation	\$36,766.00
Mod 1 FY12 Obligation	\$37,137.00
Mod 2 FY12 Obligation	\$38,439.00
Total Obligations	\$112,342.00

This modification obligates FY 2012 funds in the amount of \$38,439.00.

All other terms and conditions remain the same.