

2. AMENDMENT/MODIFICATION NO. 3. EFFECTIVE DATE 4. REQUISITION/PURCHASE REQ NO. 5. PROJECT NO. (If applicable)
 M0008 See Block 16C RES-15-0070; RES-15-0034

6. ISSUED BY CODE 7. ADMINISTERED BY (If other than Item 6) CODE
 NRCHQ NRCHQ
 US NRC - HQ ACQUISITION MANAGEMENT DIVISION
 MAIL STOP 3WFN-05-C64MP
 ATTN ROB ROBINSON 301-287-0905
 WASHINGTON DC 20555-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) 9A. AMENDMENT OF SOLICITATION NO.
 APPLIED PROGRAMMING TECHNOLOGY INC (x)
 240 MARKET ST STE 208
 BLOOMSBURG PA 178151716
 9B. DATED (SEE ITEM 11)
 10A. MODIFICATION OF CONTRACT/ORDER NO. (x)
 NRC-HQ-13-C-04-0031
 10B. DATED (SEE ITEM 13)
 03/11/2013
 CODE 092982854 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 ACKNOWLEDGEMENT 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) Net Increase: \$103,390.59
 See Schedule

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

CHECK ONE
 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).
 C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
 D. OTHER (Specify type of modification and authority)
 X Pursuant to FAR 52.243-2; FAR 52.232.22; and FAR 52.217-9

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 A) modify the statement of work; B) exercise option period 2 of the contract, thus extending the period of performance end date from 3/10/2015 to 3/10/2016; C) increase the total contract ceiling in the amount of \$447,955.20; and D) provide incremental funding in the amount of \$103,390.59, thus increasing the total obligated amount from \$908,798.40 to \$1,012,188.99.

Period of Performance: 3/11/2013 - 3/10/2016 (changed)
 Total Contract Ceiling: \$2,685,876.80 (changed)
 Total Exercised Ceiling: \$1,583,888.00 (changed)
 Total Obligated Amount: \$1,012,188.99 (changed)

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A 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)
 MONIQUE B. WILLIAMS

15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 16C. DATE SIGNED
 (Signature of person authorized to sign) Monique B Williams 01/06/2015

SUNSI REVIEW COMPLETE

TEMPLATE - ADMIN

JAN 9 2015

ADMIN02

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE _____ PAGE OF PAGES
 1 6

2. AMENDMENT/MODIFICATION NO. M0008
 3. EFFECTIVE DATE See Block 16C
 4. REQUISITION/PURCHASE REQ. NO. RES-15-0070; RES-15-0034
 5. PROJECT NO. (If applicable) _____

6. ISSUED BY CODE NRCHQ
 US NRC - HQ
 ACQUISITION MANAGEMENT DIVISION
 MAIL STOP 3WFN-05-C64MP
 ATTN ROB ROBINSON 301-287-0905
 WASHINGTON DC 20555-0001

7. ADMINISTERED BY (If other than Item 6) CODE NRCHQ
 US NRC - HQ
 ACQUISITION MANAGEMENT DIVISION
 MAIL STOP 3WFN-05-C64MP
 WASHINGTON DC 20555-0001

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)
 APPLIED PROGRAMMING TECHNOLOGY INC
 240 MARKET ST STE 208
 BLOOMSBURG PA 178151716

9A. AMENDMENT OF SOLICITATION NO. (x)
 9B. DATED (SEE ITEM 11)
 10A. MODIFICATION OF CONTRACT/ORDER NO. x
 NRC-HQ-13-C-04-0031
 10B. DATED (SEE ITEM 13)
 03/11/2013

CODE 092982854 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 ACKNOWLEDGEMENT 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) Net Increase: \$103,390.59
 See Schedule

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

CHECK ONE

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).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

D. OTHER (Specify type of modification and authority)
 X Pursuant to FAR 52.243-2; FAR 52.232.22; and FAR 52.217-9

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 A) modify the statement of work; B) exercise option period 2 of the contract, thus extending the period of performance end date from 3/10/2015 to 3/10/2016; C) increase the total contract ceiling in the amount of \$447,955.20; and D) provide incremental funding in the amount of \$103,390.59, thus increasing the total obligated amount from \$908,798.40 to \$1,012,188.99.

Period of Performance: 3/11/2013 - 3/10/2016 (changed)
 Total Contract Ceiling: \$2,685,876.80 (changed)
 Total Exercised Ceiling: \$1,583,888.00 (changed)
 Total Obligated Amount: \$1,012,188.99 (changed)

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

15A. NAME AND TITLE OF SIGNER (Type or print)
 Kenneth R Jones, President

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
 STEPHEN M. POOL

15B. CONTRACTOR/OFFEROR
 [Signature]

15C. DATE SIGNED
 1/5/2015

16B. UNITED STATES OF AMERICA
 [Signature of Contracting Officer]

16C. DATE SIGNED

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
NRC-HQ-13-C-04-0031/M0008

PAGE OF
2 6

NAME OF OFFEROR OR CONTRACTOR
APPLIED PROGRAMMING TECHNOLOGY INC

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|-----------------|---|-----------------|-------------|-------------------|---------------|
| | <p>Please see attached pages for specific information regarding this modification.</p> <p>LIST OF CHANGES:</p> <p>Total Amount for this Modification: \$447,955.20 New Total Amount for this Version: \$2,403,876.80 New Total Amount for this Award: \$2,685,876.80 Obligated Amount for this Modification: \$103,390.59 New Total Obligated Amount for this Award: \$1,012,188.99 Incremental Funded Amount changed: from \$626,798.40 to \$730,188.99</p> <p>CHANGES FOR LINE ITEM NUMBER: 9400 End Date changed from 2015-03-10 00:00:00 to 2016-03-10 00:00:00</p> <p>CHANGES FOR LINE ITEM NUMBER: 9501 Description changed from Option Year 1 funds to Option Year 1 and 2 funds Total Amount changed from \$454,398.40 to \$1,129,488.00 Obligated Amount for this modification: \$103,390.59 Incremental Funded Amount changed from \$454,398.40 to \$557,788.99 End Date changed from 2015-03-10 00:00:00 to 2016-03-10 00:00:00</p> <p>CHANGES FOR DELIVERY LOCATION: NRCHQ Amount changed from \$454,398.40 to \$1,129,488.00</p> <p>CHANGES FOR ACCOUNTING CODE: 2014-X0200-FEEBASED-60-60D003-11-6-213-V6297-252A Percent changed from 7.83453 to 3.15187</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 2015-X0200-FEEBASED-60-60D003-11-6-213-1045-252A BBFY 2015 EBFY Fund X0200 Funds Source FEEBASED YBA Office 60 Division 60D003 Branch 60B301 Continued ...</p> | | | | |

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
 NRC-HQ-13-C-04-0031/M0008

PAGE OF
 3 6

NAME OF OFFEROR OR CONTRACTOR
 APPLIED PROGRAMMING TECHNOLOGY INC

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|-----------------|---|-----------------|-------------|-------------------|---------------|
| | Cost Ctr (Job Code) 1045 Major prog/business 11 Product Line 6 Product 213 BOC 252A REIM Agreement Num REIM Agmt Line Num FAIMIS Template Name 11-6-213-1045 Quantity: 0 Amount: \$103,390.59 Percent: 9.15376 Subject To Funding: N Payment Address: US NUCLEAR REGULATORY COMMISSION ONE WHITE FLINT NORTH 11555 ROCKVILLE PIKE MAILSTOP O3-E17A ROCKVILLE MD 20852-2738 CHANGES FOR LINE ITEM NUMBER: 9500 Description changed from Commercial Unexercised Ceiling as of 2/19/2014 to Commercial Unexercised Ceiling as of 12/29/2014 Total Amount changed from \$1,329,123.20 to \$1,101,988.80 Anticipated Exercise date changed from 2014-03-11 00:00:00 to 2016-03-10 00:00:00 CHANGES FOR DELIVERY LOCATION: NRCHQ Amount changed from \$1,329,123.20 to \$1,101,988.80 Delivery Location Code: NRCHQ US NRC - HQ DIVISION OF CONTRACTS | | | | |

SPECIFIC CHANGES ARE AS FOLLOWS:

1. Add the following to Task 2 of the Statement of work for Option Year 2 and 3.

"Task 2 Maintain SNAP Capabilities and SNAP 3 Refactoring Support"

The supported analytical codes are still undergoing modifications that may necessitate changes to their input format requirements. The contractor shall upgrade SNAP to fully support these modifications. The contractor shall maintain contact with the analytical code developers so that any changes can be identified and modifications made to the respective SNAP plug-in in a timely fashion. The NRC project manager shall be notified (by letter or email) of any planned changes to any plug-in before such changes are actually made. Note that in cases where the analytical code has been updated or changed in a major way, the contractor may need to write an entirely new plug-in for the new version of the analytical code. If the need for an entirely new plug-in is encountered, then the contractor shall not proceed to make changes to the existing plug-in but instead inform NRC so that other actions may be planned.

Specific changes identified by SNAP stakeholders in 2014 require a "refactoring" of the SNAP system. The term "refactor" is used here to describe the process of reviewing the current code functions and requirements, gathering and documenting new requirements and developing a code specification, and finally designing and implementing the changes to the subject code. The desired features to be introduced into SNAP 3 are summarized below:

- Dynamic Job Streams (Server Side)
 - Conditional Logic
 - Looping
 - Keyword management
- Support for Multiple Engineering Unit Types
 - Analysis Code Plug-ins
 - Engineering Templates
- "Templated" Model Nodes
 - Support for Parametric Keywords
 - Embedded and Retrieved Files
- Large Job Support (> 10,000 tasks)
- Java 1.7

Development related documentation and procedures already specified for the SNAP development process shall continue to be followed."

2. Delete Section B.1 "PRICE/COST SCHEDULE" in its entirety and replace with the following:

"B.1 PRICE/COST SCHEDULE

BASE PERIOD - Period of Performance: 03/11/2013 – 03/10/2014

| <u>CLIN</u> | <u>DESCRIPTION</u> | <u>UNIT</u> | <u>QTY</u> | <u>AMOUNT</u> |
|-------------|---|-------------|------------|---------------|
| CLIN 0001 | Contractor Performance of Contract Requirements | LOT | 1 | \$454,400.00 |

Labor Category **Rate/Hour**

NRC-HQ-13-C-04-0031
M0008

Software Architect
Software Engineer III
Software Engineer II
Software Engineer I
Software Developer II



OTHER COSTS:

Travel costs for trips to Rockville, MD (reimbursable in accordance with FAR 31.205-46)

OPTION YEAR 1 - Period of Performance: 03/11/2014 – 03/10/2015

| <u>CLIN</u> | <u>DESCRIPTION</u> | <u>UNIT</u> | <u>QTY</u> | <u>AMOUNT</u> |
|-------------|---|-------------|------------|---------------|
| CLIN 1001 | Contractor Performance of Contract Requirements | LOT | [REDACTED] | [REDACTED] |
| CLIN 1002 | Annual Membership to SNAP User's Group | EA | [REDACTED] | [REDACTED] |

| <u>Labor Category</u> | <u>Rate/Hour</u> |
|-----------------------|------------------|
| Software Architect | [REDACTED] |
| Software Engineer III | [REDACTED] |
| Software Engineer II | [REDACTED] |
| Software Engineer I | [REDACTED] |
| Software Developer II | [REDACTED] |

OTHER COSTS:

Travel costs for trips to Rockville, MD (reimbursable in accordance with FAR 31.205-46)

OPTION YEAR 2 - Period of Performance: 03/11/2015 – 03/10/2016

| <u>CLIN</u> | <u>DESCRIPTION</u> | <u>UNIT</u> | <u>QTY</u> | <u>AMOUNT</u> |
|-------------|---|-------------|------------|---------------|
| CLIN 2001 | Contractor Performance of Contract Requirements | LOT | [REDACTED] | [REDACTED] |
| CLIN 2002 | Annual Membership to SNAP User's Group | EA | [REDACTED] | [REDACTED] |

| <u>Labor Category</u> | <u>Rate/Hour</u> |
|-----------------------|------------------|
| Software Architect | [REDACTED] |
| Software Engineer III | [REDACTED] |
| Software Engineer II | [REDACTED] |
| Software Engineer I | [REDACTED] |
| Software Developer II | [REDACTED] |

OTHER COSTS:

Travel costs for trips to Rockville, MD (reimbursable in accordance with FAR 31.205-46)

OPTION YEAR 3 - Period of Performance: 03/11/2016 – 03/10/2017

| <u>CLIN</u> | <u>DESCRIPTION</u> | <u>UNIT</u> | <u>QTY</u> | <u>AMOUNT</u> |
|-------------|---|-------------|------------|---------------|
| CLIN 3001 | Contractor Performance of Contract Requirements | LOT | [REDACTED] | [REDACTED] |
| CLIN 3002 | Annual Membership to SNAP User's Group | EA | [REDACTED] | [REDACTED] |

| <u>Labor Category</u> | <u>Rate/Hour</u> |
|-----------------------|------------------|
| Software Architect | [REDACTED] |

NRC-HQ-13-C-04-0031
M0008

Software Engineer III
Software Engineer II
Software Engineer I
Software Developer II

OTHER COSTS:

Travel costs for trips to Rockville, MD (reimbursable in accordance with FAR 31.205-46)

OPTION YEAR 4 - Period of Performance: 03/11/2017 – 03/10/2018

| <u>CLIN</u> | <u>DESCRIPTION</u> | <u>UNIT</u> | <u>QTY</u> | <u>AMOUNT</u> |
|-------------|---|-------------|------------|---------------|
| CLIN 4001 | Contractor Performance of Contract Requirements | LOT | | |
| CLIN 4002 | Annual Membership to SNAP User's Group | EA | | |

Labor Category **Rate/Hour**

Software Architect
Software Engineer III
Software Engineer II
Software Engineer I
Software Developer II

OTHER COSTS:

Travel costs for trips to Rockville, MD (reimbursable in accordance with FAR 31.205-46)

GRAND TOTAL (BASE AND ALL OPTION YEARS): \$2,685,876.80

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED

[END of M0008]