

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

BPA NO

1. CONTRACT ID CODE

PAGE

OF

2. AMENDMENT/MODIFICATION NO.

M004

3. EFFECTIVE DATE

05-10-2012

4. REQUISITION/PURCHASE REQ. NO.

HR-12-178

03/01/2012

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
Attn: Monique B. Williams
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)

NUMARK ASSOCIATES, INC.

1220 19TH ST NW STE 500

WASHINGTON DC 200362444

(X)

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO.
NRC-38-10-715

10B. DATED (SEE ITEM 13)

02-25-2010

CODE 788247377

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)

2012-84-17-N-157, X8487, 251F, 31X0200
Amount Obligated: \$40,000.00; NAICS: 541611
FAIMIS Commitment #:121494; APP ID No.: 12-6786

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) 52.243-1 Changes - Fixed Price
By Mutual Consent of Both Parties

E. IMPORTANT: Contractor is not, is required to sign this document and return 01 _____ 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 number 04 is to revise the Statement of Work to authorize the option to update the Course Materials for E-121, increase the total estimated cost and the total obligation, revise the price schedule, and incorporate payment schedule based on deliverables. This modification also officially recognizes the company's name change from NJ Numark Associates, Inc. to Numark Associates, Inc.

Total Estimated Cost: \$321,294 (Change)

Total Obligation: \$255,352 (Change)

Period of Performance: 2/25/2010 - 2/24/2013 (Change)

Please see continuation page for specific changes made to this contract.

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)

PAUL G. EDELSTEIN VP, Contracts

10A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

Monique B. Williams
Contracting Officer

16A. CONTRACTOR/OFFICER

16C. DATE SIGNED

16B. UNITED STATES OF AMERICA

16C. DATE SIGNED

(Signature of person authorized to sign)

5/15/2012

BY Monique B. Williams
(Signature of Contracting Officer)

5/10/2012

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

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA - FAR (48 CFR) 53.243

SUNSI REVIEW COMPLETE

MAY 18 2012

TEMPLATE - ADM001

ADM002

1. On page 1, Section B.4 CONSIDERATION AND OBLIGATION-FIRM FIXED PRICE, revise to read as follows:

The firm fixed price of this contract is \$295,749.

2. On page 1, Section B.5 CONSIDERATION AND OBLIGATION—COST REIMBURSEMENT(b) revise to read as follows:

(b) The amount obligated by the Government with respect to this contract is \$25,545.

3. On page 2, Section B.6, Price Schedule for Option Year 2 is revised as follows:

Option Year 2: Period of Performance: (2/25/2012 – 2/24/2013)

ITEM NO.	DESCRIPTION OF SERVICES	QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
006	Presentation of Electrical Codes and Standards Course		Each		
007	* Travel Costs (Cost Reimbursable)		LOT		
007a	Update Electrical Codes and Standards Course		LOT		

TOTAL PRICE OPTION YEAR 2: \$105,911.00

REVISED CEILING PRICE

Base Year: \$ 155,452
Option Year 1: \$ 59,931
Option Year 2: \$ 105,911
Option Year 3: \$ 63,581
Option Year 4: \$ 65,488
TOTAL PRICE: \$ 450,363

4. On page 5, STATEMENT OF WORK, item E. revise to read as follows:

**STATEMENT OF WORK
for
ELECTRICAL/I&C CODES AND STANDARDS COURSE**

I. BACKGROUND

No Change

II. MODIFICATION OBJECTIVE

The purpose of this modification is to reorganize and expand the original course materials which were focused by different groupings of IEEE standards by standard function and reformatting the materials to focus on systems and components. The required topics for instruction and presentation length (8.5 days) remain the same, only the order and grouping of materials will be changed to reduce repetition and improve logical flow of the course.

III. SCOPE OF WORK

The contractor shall modify the materials including the student and instructor manuals and course presentations to regroup and reorder the existing course topics as follows:

- QA and CFR
 - 10CFR50 App. A & B
 - NQA-1
 - Nuclear Standards
- Offsite Power Systems
 - Transmission and Switchyard
 - NERC NUC-001 Interface Agreements
 - Grounding and Lightning Systems
- Onsite Power Systems
 - Alternate Power Supplies
 - Emergency Power Supply
 - Transformers
- Motors/Generators
 - Switchgear and MCCs
 - Breakers and Protective Devices
- DC Power Systems
 - Batteries and Chargers
 - Inverters/UPS
- Conductors
 - Cables
 - Bus-Duct

- EPAs
- I&C Structures, Systems, and Components
 - MCR/ACR/RSP
 - Digital I&C Platforms
 - Software Life Cycle
 - TRS/ESF/SSS
 - Sensors and Signal Conditioning
 - Bistables and Setpoints
 - Displays and Alarms
- ITAAC and Inspection Procedures

Table of Contents – Attachment I

5. Progress Payments are based on the following deliverables:

- 60 days after contract award - 30% of fixed price. Submission of one complete chapter
- 120 days after contract award - 30% of fixed price. Submission of course report to include the number of modules that have been completed, how many are left to do based on the table of contents and the introduction section of each module
- 180 days after contract award - 30% of fixed price. Submission of course report to include the number of modules that have been completed, how many are left to do based on the table of contents and the introduction section of each module
- Upon completion and delivery of Final Product- 10% of fixed price

ATTACHMENT I

Schedule and Table of Contents for Initial Class Feb 2011

Day 1	2	3	4	5
1 Introduction	4 SRP/Generic Guides	6 Electrical SSCs	7 I&C SSCs	8 IEEE Nuclear Stds
2 QA	5 Standards Overview	SA Critical Attributes S&S	SA Critical Attributes S&S	9 Design Stds
Student Activity		SA Critical Attributes Components	SA Critical Attributes Components	10 Qualification Stds
3 Code 10 CFR 50				11 Handling and Shipping

Day 6	7	8	9	10
12 Installation Stds	15 Digital I&C Stds	18 Non-IEEE Stds	20 Regulatory Guidance	23 Overview of International Stds
13 Inspection & Testing	16 Instrument Setpoints	SA Elec Components vs Standards	21 Regulatory Guides	24 Case Studies of Construction Issues
14 Ops, Maint & Surveillance	17 Fiber Optic Stds	19 ITAAC	SA Stds vs Reg Guides	25 Class Review
	SA I&C Components vs Stds	SA Codes & Stds in ITAAC	22 NRC Inspection Procedures	26 Quiz & Review
				27 Qual Card ISA-CI-6

Proposed Content and Schedule for Reformatted Class after 2011

Day 1	3	2	4	5
Introduction to Class	Offsite Power Systems	Onsite Power Systems	Motors/Generators	DC Power Systems
Appdx B QA, NQA-1	Transmission & Switchyard Designs	Emergency Power Supply	Switchgear	Batteries
Code 10 CFR 50 Codes/ Appdx A Criteria	NERC NUC-001 Interface Agreements	Alternate AC	MCCs	Battery Chargers
Nuclear Standards Hierarchy	Grounding and Lightning Systems	Transformers	Protective Devices	Inverters/UPS
Student Activity	Student Activity	Student Activity	Student Activity	Student Activity

Day 6	7	8	9	10
Conductors	I&C Structures	I&C Systems	I&C Components	
Cables	MCR	Digital I&C Platforms	Sensors and Signal Conditioning	Overview of ITAACs and Inspection Procedures
Bus-Duct	ACR	Software Life Cycle	Bistables and Setpoints	Class Review
EPAs	RSP	RTS/ESF/SSS	Displays and Alarms	Quiz
Student Activity	Student Activity	Student Activity	Student Activity	Review of Quiz

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ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED