

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

BPA NO.

1. CONTRACT ID CODE

PAGE

OF PAG

1

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2. AMENDMENT/MODIFICATION NO.
0001

3. EFFECTIVE DATE
See Block 15c.

4. REQUISITION/PURCHASE REQ. NO.
42-07-036T065M001
09703665160

5. PROJECT NO.(If applicable)

6. ISSUED BY
CODE 3100
U.S. Nuclear Regulatory Commission
Div. of Contracts
Attn: Jeffrey R. Mitchell, 301-492-3639
Mail Stop TWB 01-B10M
Washington, DC 20555

7. ADMINISTERED BY (If other than Item 6)
CODE 3100
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)

INFORMATION SYSTEMS LABORATORIES, INC
ISL
ATTN: DR. JAMES F. MEYER

11140 ROCKVILLE PIKE, SUITE 500

ROCKVILLE MD 20852

(X) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO.
NRC-42-07-036 0065

10B. DATED (SEE ITEM 13)

X 01-14-2009

CODE 107928806

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) No Funds Obligated

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: Bilateral Mutual Agreement of the Parties

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.)

Task Order Ceiling Amount: \$66,069.00 (unchanged)
Total Obligated Amount: \$66,069.00 (unchanged)
Period of Performance: 01/16/2009 - 01/31/2011 (unchanged)

See continuation pages

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)
DANIEL A. PRELEWICZ
VICE-PRESIDENT & DEPUTY MANAGER

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
Jeffrey R. Mitchell
Contracting Officer

15B. CONTRACTOR/OFFEROR
Daniel A. Prelewicz
(Signature of person authorized to sign)

15C. DATE SIGNED
10/14/09

16B. UNITED STATES OF AMERICA
BY *Jeffrey R. Mitchell*
(Signature of Contracting Officer)

16C. DATE SIGNED
10/14/2009

The purpose of this modification is to incorporate the revised Statement of Work. This modification revises the SOW to include the development of a Tier 1 Change Roadmap to include Tier1/Tier2 for changes through Revision 17 of the AP1000 DCD. Accordingly, the task order is hereby modified as follows:

Refer to the Task Order No. 65 "Statement of Work" is here by deleted in its entirety and replaced with the following Statement of Work attached to this Modification No. 1 entitled "Statement of Work Rev 1".

****ALL OTHER TERMS AND CONDITIONS OF THE SUBJECT TASK ORDER REMAIN UNCHANGED****

TASK ORDER STATEMENT OF WORK
REVISION NO. 1

| | | |
|--|---|---|
| JCN Q-4160 | Contractor Information Systems Laboratories, Inc. | Task Order No. NRC-42-07-036 (TO 65) Modification 1 |
| Applicant Westinghouse | Design/Site AP1000 DCD | Docket No. 05200006 |
| Title/Description AP1000 DCD Amendment- Technical Assistance in SER Production Work | | |
| TAC No. RX0603 | B&R Number 925-15-171-103 | SRP or ESRP Section(s) 1 through 19 |
| NRC Task Order Project Officer (PO) | | |
| Min Lee | 301-415-0502 | Min.Lee@nrc.gov |
| NRC Technical Monitor (TM) | | |
| Perry Buckberg | 301-415-1383 | perry.buckberg@nrc.gov |

1.0 BACKGROUND

On 26 May, 2007, Westinghouse submitted Revision 16 to the AP1000 Design Control Document (DCD) to amend the AP1000 Design Certification pursuant to Part 52 of Title 10 of the *Code of Federal Regulations* (10 CFR 52), "Early Site Permits; Standard Design Certifications; and Combined Licenses for Nuclear Power Plants." Following acceptance and docketing of this revision, the staff began the review process and is working to produce a Safety Evaluation Report with Open Items (SER/OI). Since the review began, an additional revision to the AP1000 DCD has been submitted by Westinghouse.

A Standard Review Plan (NUREG-0800) is prepared for the guidance of staff reviewers in the Office of New Reactors in performing safety reviews of applications to construct or operate nuclear power plants and the review of applications to approve standard designs and sites for nuclear power plants. The principal purpose of the SRP is to assure the quality and uniformity of staff safety reviews. The staff publishes the results of these reviews in a Safety Evaluation Report (SER).

2.0 OBJECTIVE

The objective of this task order is to obtain technical expertise from the contractor to integrate the staff technical inputs into the Safety Evaluation Reports (SER) format. The deliverables from the contractor will be the completed and technically edited, formatted draft SER with open items **chapters, a Tier 1 Roadmap and a draft final SER** to be utilized by the NRC staff for documenting the results of the staff review of the DCD amendments. Specifically, technical assistance is required to incorporate references and input staff's SER.

3.0 WORK REQUIREMENTS, SCHEDULE AND DELIVERABLES

| Tasks/Standards | Scheduled Completion | Deliverables |
|--|---|---|
| 1. Develop Project Plan including configuration and quality control. Develop tentative schedule for deliverables based on review phase milestones contained within the project specific schedule in EPM. | Four Weeks after award of Task Order. | Project Plan and tentative schedule |
| 2. REQUIREMENT: Staff input from SER with open items chapters 4, 5, 14, and 18 (e.g., technical evaluation, RAI responses and conclusions) edited, formatted and revised based on the 10/7/2008 AP1000 Reviewer's Guide (located in Share Point under Tool 12) and NUREG 1793. | Each Chapter shall be completed approximately two weeks after being provided to contractor. | Staff input of individual SER chapters. |
| 3. REQUIREMENT: Develop the completed Tier 1 Change Roadmap to include Tier1/Tier2 links for DCD changes through Revision 17. | Approximately four weeks after necessary documents are provided to contractor. | Complete Tier 1 Roadmap. |
| 4. REQUIREMENT: Final SER input as provided by technical staff incorporated into draft final SER. Include updated appendices. | Two weeks after final Chapter input by NRC provided to contractor. | Draft Final SER |
| 5. REQUIREMENT: Appendices as in NUREG 1793 and list of open items by Chapter. Document showing Rev. 17 Tier 1 DCD changes and corresponding SER location. | Incremental drafts with finals two weeks after to completion of task 3. | Appendices and Tier 1 document. |
| * These Work Schedules are subject to change by the NRC Contracting Officer (CO) to support the needs of the NRC Licensing Program Plan. | | |

The Technical Monitor may issue technical instruction from time to time throughout the duration of this task order. Technical instructions must be within the general statement of work delineated in the task order and shall not constitute new assignments of work or changes of such a nature as to justify an adjustment in cost or period of performance. The contractor shall refer to Section G.1 of the base contract for further information and guidance on any technical directions issued under this task order.

Any modifications to the scope of work, cost or period of performance of this task order must be

issued by the CO and will be coordinated with the NRO Project Officer.

4.0 TECHNICAL AND OTHER SPECIAL QUALIFICATIONS REQUIRED

As specified in the base contract, the contractor shall provide individuals who have the required educational background and work experience to meet the objectives of the work specified in this task order. Specific qualifications for this effort include: As a minimum, qualified personnel to perform technical evaluations, proficient in MS word formatting features and technical editing.

The contractor shall pursue IT2 clearance for access to NRC network, specifically ADAMS.

The contractor shall provide a contractor project manager (PM), with the required educational background and work experience to meet the objectives of the work specified in this task order, to oversee the effort and ensure the timely submittal of quality deliverables so that all information is accurate and complete as defined in the base contract.

The NRC will rely on representations made by the contractor concerning the qualifications of the personnel assigned to this task order, including assurance that all information contained in the technical and cost proposals, including resumes, is accurate and truthful. The resume for each professional proposed to work under this task order (contractor, subcontractor, or consultant) shall describe the individual's experience in applying his or her area of engineering specialization to work in the proposed area. The use of particular personnel on this contract is subject to the NRC technical monitor's (TM's) approval. This includes any proposed changes to key personnel during the life of the task order.

5.0 REPORTING REQUIREMENTS

Task Order Progress Report

The contractor shall provide a bi-weekly progress report summarizing accomplishments, expenditures, contractor staff hours expended, percent completed for each task under this task order, and any problems encountered by the contractor. Additionally a matrix should be added that includes all sections received, reviewed (redlined) and sent back to the NRC. The report shall be sent via e-mail to the NRC TM, Task Order Project Officer (PO), CO and to a pre-designated NRC/NRO/DNRL AP1000 Projects Licensing Assistant whom will monitor correspondence for this project. Please refer to Section F of the basic contract award document for contract reporting requirements.

Technical reporting requirements

Unless otherwise specified above, the contractor shall provide all deliverables as draft products. The NRC TM will review all draft deliverables (and coordinate any internal NRC staff review, if needed) and provide comments back to the contractor. The contractor shall revise the draft deliverable based on the comments provided by the TM, and then deliver the final version of the deliverable. When mutually agreed upon between the contractor and the TM, the contractor may submit preliminary or partial drafts to help gauge the contractor's understanding of the particular work requirement.

The contractor shall provide the following deliverables in hard copy and electronic formats. The electronic format shall be provided in MS Word including Style, Formatting and Technical Editing or other word processing software approved by the TM. For each deliverable, the

contractor shall provide an electronic copy to the PM. It is assumed that the contractor has access to the NRC furnished material available on the internet.

It is understood that the scope of the review consists of conference calls with the NRC staff, and not Westinghouse, to discuss open items in an attempt to obtain additional information or reach resolution.

The primary deliverables, or output of this regulatory review, shall be the updated and properly formatted draft Safety Evaluation Report (SER) chapters 4, 5, 14 and 18, a Tier 1 Roadmap, and ultimately a completed SER w/appendices. The SER chapters will serve as input to the NRC staff's SER which will document the NRC's technical, safety, and legal basis for approving the design certification amendment. The SER chapters must provide sufficient information to adequately explain the NRC staff's rationale for why there is *reasonable assurance* that public health and safety is protected. The SER chapters, and ultimately the SER, should be written in a manner whereby a person with a technical (non-nuclear) background and unfamiliar with the applicant's request could understand the basis for the staff's conclusions. The SER format is described in the 10/7/2008 AP1000 Reviewer's Guide (Attachment 2) and the overall SER format and layout are represented in NUREG 1793.

The contractor is responsible for structuring the draft SER format to follow Federal and agency standards for publications. The current agency word processing standard is Microsoft Word. The contractor must use the latest agency-designated version of this agency standard. The word processing source file and electronic "print" file in Portable Document Format (PDF) should be automated, structured, and reusable (i.e. apply templates, contain automatic bookmarks, and have "live" Web links). The contractor must consider long-term use and revision when establishing styles. This will be evidenced by styles that are constructed for ease of use and that apply automated functions. The contractor must provide a style sheet itemizing the specifications for each style or tag applied in the word processing program. For example, the style sheet will note the name of the style, formatting details, and the specific functions of and use for each style.

At the completion of Task 3, submit current appendices (task 4) as contained in NUREG 1793. Include a separate list of the remaining open items and the basis for such determination. At the completion of task 6, include updates to the appendices.

Electronic files should be—

1. Accessible: comply with Section 508 of the Rehabilitation Act (check the accessibility); accessible to screen readers; high contrast in b&w if any color is used; any information conveyed with color is conveyed equally well when color is not available
2. Archival: generate PDF using PDF/A format, an international standard for archival PDFs; embed fonts; update/delete metadata
3. Print-ready: min. 600 dpi (1200 dpi recommended) for high-quality, professional printing; include print disclaimers for any scanned or pixelated images; the PDF should be an entire document, including cover, inside cover, title page, Form 335, etc. (see NUREG-1757)

The schedule for deliverables shall be contained in the approved project plan for the task order effort.

In all correspondence, include identifying information: JCN Q4160; Technical Assignment Control No. (TAC), RX0603; Task Order 65; Applicant: Westinghouse.

Reporting requirements are also specified in Section 3.

6.0 MEETINGS AND TRAVEL

- a. One person, one day working meeting to kickoff project and contractor orientation.*
- b. One person, one day working meetings at NRC headquarters to review deliverables*

*At the discretion of the NRC TM, meeting may be conducted via telephone or video conference.

7.0 NRC FURNISHED MATERIAL

The following NRC furnished materials will be provided to the contractor together with SOW:

- a. CD-ROM containing Staff SER input by SRP Sections.
- b. The AP1000 Reviewer's Guide - 10/7/2008.
- c. **AP1000 DCD Revision 16 and 17 (incl. reviewer's aide versions and Rev. 16 Tier 1 "Roadmap")**

The following NRC furnished materials will be provided to the contractor as they become available:

- a. CD-ROM containing Staff SER input by SRP Sections and/or SER input updates.

8.0 PERIOD OF PERFORMANCE

The period of performance is from January 16, 2009 through January 31, 2011.

9.0. OTHER APPLICABLE INFORMATION

- a. License Fee Recovery

All work under this task order is fee recoverable and must be charged to the appropriate TAC number(s).

- b. Assumptions and Understandings:

The level of effort for Task 2 is based assumption that there are expected to be **4 chapters** and it will take, on the average, 12 hours to integrate, format, edit each chapter

The level of effort for Task 3 is based on the assumption that this task will be approximately 10 times the effort of Task 2 and will require subject matter expert involvement.

The level of effort for Task 4 is based on the assumption that assembling the final SER is mostly an administrative effort and developing the Tier 1 document will be 85% administrative effort.

The level of effort for Task 5 is based on the assumption that this task will be approximately 25% the effort of Task 2 as the scope is limited to additional content based on responses to open items and other supplemental information.

Web-enabled (electronic): bookmarks for navigation (generated by MS Word with the heading styles applied); live links to Web sites (entire URL must be active); meet NRC Web publication standards; enabled for Fast Web view; match agency wide electronic standards (<http://www.nrc.gov/site-help/e-submittals.html>)

Specifically, the MS Word file should use—

1. styles
2. automated formatting (no manually tabbed columns)
3. linked bookmarks or anchors for the table of contents or other document guides that jump to specific sections of the text
4. headers and other structural markup
5. abbreviation list
6. list and link figures, equations, tables, etc.
7. formatted tables with simple columns (do not nest tables, mark column headers if possible)
8. embedded fonts and objects

Suggestions for file names—

1. Use ASCII letters (a-z, A-Z), digits (0-9), underscores and hyphens ("_" and "-").
2. Do not use spaces, quotation marks, diacritic marks or other special/non-printing characters.
3. Reserve the period (".", full stop) for the file extension at the end of the filename.

In addition to general document quality standards, the contractor should meet the standards in—

1. U.S. Government Printing Office (GPO) Style Manual
2. NUREG-0650, Rev, 2, "Preparing NUREG-series Publications"
3. NUREG-1379, "NRC Editorial Style Guide"
4. NUREG-0544, "NRC Collection of Abbreviations," Rev. 4 July 1998
5. www.plainlanguage.gov
6. Section 508 of the Rehabilitation Act

Attachment:

AP1000 Reviewers Guide