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14) (4) (5)	
The contractor shall provide services in accordance with the attached Statement of Work (SOW) entitled "Integration of SER Input for the U.S. EPR Design Certification Application"	
COR-A: Christine Briggs, 301-415-2713, <u>christine.briggs@nrc.gov</u> COR-T: Tanya Ford, <u>tanya.ford@nrc.gov</u> PM: Marty Bowling, 202-466-2700, <u>mbowling@numarkassoc.com</u>	
Total Order Ceiling: \$447,850.00	
Total Obligated Amount: \$5,000.00 Estimated Reimbursable Cost: \$418,639.00	
Fixed-Fee: \$29,211.00 Period of Performance: 03/01/2013 - 01/31/2014	
Numark Authorized Official Date	
18. SHIPPING POINT 19. GROSS SHIPPING WEIGHT 20 INVOICE NO.	
21. MAIL INVOICE TO.	17(h)
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REVERSE b. STREET ADDRESS (or P.O. Box) Attn: Fiscal Services Branch - D2770 FAX: 7301 W. Mansfield Avenue	17(i). GRAND
c. City Denver d. STATE CO 2IP CODE 80235-2230	.00 TOTAL
22. UNITED STATES OF AMERICA. 23. NAME (Typed) PORT LATE OF AMERICA.	
BY (Signature) Pearlette Merriweather Contracting Officer	
TITLE: CONTRACTING/ORDERING OFFICE	

In accordance with section G.4, Task Order Procedures, of Contract No. NRC-HQ-12-C-42-0107, this definitizes Task Order No. NRC-T011. The effort shall be performed in accordance with the attached Statement of Work.

Task Order No. NRC-T011 shall be in effect from March 1, 2013, through January 31, 2014, with a cost ceiling of \$447,850.00. The amount of represents the estimated reimbursable costs, and the amount of represents the fixed-fee.

The amount obligated by the Government with respect to this contract is \$5,000.00, of which approximately represents the estimated reimbursable costs, and the amount of the represents the fixed-fee.

A.1 PRICE/COST SCHEDULE

BASE PERIOD	March 1, 2013, through Janu	ary 31, 2014		建筑建筑
	DESCRIPTION OF SUPPLIES/SERVICES			
001	Services described in the attached Statement of Work (SOW)			
		Total	<u> </u>	\$447,850.00

STATEMENT OF WORK

TASK ORDER STATEMENT OF WORK

JCN	Contractor	Task Order No.					
Q-4159	Numark Associates, Inc.	11					
Applicant	Design/Site	Docket No.					
AREVA NP Inc	U.S. EPR	05200020					
Title/Description							
Integration of SER Input for the	ne U.S. EPR Design Certification	n Application					
TAC No.	TAC No. B&R Number SRP or ESRP Section(s)						
RX0550	2013-25-17-4-118	1 through 19					
NRC Contracting Officer Representative (Administrative)							
Christine Briggs	301-415-2713	Christine.Briggs@nrc.gov					
NRC Contracting Officer F	Representative (Technical)						
Tanya Ford	301-415-1194	Tanya.Ford@nrc.gov					

1.0 BACKGROUND

Combined Operating License (COL) Applications are submitted pursuant to Part 52 of Title 10 of the Code of Federal Regulations (10 CFR 52), "Licenses, Certifications, and Approvals for Nuclear Power Plants." The U.S. Nuclear Regulatory Commission (NRC) reviews COL Applications based on information furnished by electric utility companies pursuant to 10 CFR 52.79, "Contents of Applications; Technical Information in Final Safety Analysis Report."

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.

An Environmental Safety Review Plan (ESRP) (NUREG-1555) is prepared for the guidance of staff reviewers in performing environmental reviews of applications related to nuclear power plants. The ESRPs are companions to regulatory guides that address siting and environmental issues. As with NUREG-0800 the purpose of the ESRP is to assure the quality and uniformity of environmental reviews.

The staff publishes the results of these reviews in a Safety Evaluation Report (SER).

As part of Task Order 41 under Contract No. NRC-42-07-481, the contractor provided technical assistance related to the review of the U.S. EPR Design Certification Application (DC) and integration of chapters 1 through 19. Technical formatting, editing, and integration have been completed for all 19 Phase 2 SER chapters. The contractor will continue technical editing, formatting, and integration of chapters for Phase 4, as needed, under this new contract.

2.0 OBJECTIVE

The objective of this task order is to obtain contractor's services to integrate the technical input for the staff technical reviewers into the SER DC templates previously developed by the contractor. The deliverables from the contractor will be the completed and technically edited, formatted draft SERs with no open items to be utilized by the NRC staff for documenting the results of the staff review of the U.S. EPR DC application.

3.0 WORK REQUIREMENTS, SCHEDULE AND DELIVERABLES

で を -	Tasks/Standards	Scheduled Completion*	Deliverables
4.	REQUIREMENT: Phase 4 SER input (e.g., responses to open items and confirmatory items) incorporated into corresponding Draft Advanced Final SER.	Two weeks after advance final Chapter input by NRC provided to contractor.	Draft Advanced Final SER
5.	REQUIREMENT: SER Appendices and table of contents to be incorporated into Final SER. See Attachment 2 for list of appendices.	Two weeks after the <u>last</u> advance final Chapter input by NRC provided to contractor.	Included in Item 4 above.
6.	REQUIREMENT: Phase 6 Draft FSER input as provided by technical staff incorporated into draft final SER.	Two weeks after final Chapter input by NRC provided to contractor	Draft Final SER

^{*} These Work Schedules are subject to change by the NRC Contracting Officer (CO) to support the needs of the NRC Licensing Program Plan.

The COR 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 Contracting Officer (CO) and will be coordinated with the NRO COR.

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, need to be proficient in MS Word formatting features, technical editing, and the performance of NRC legal reviews.

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

The contractor shall provide a contractor project manager (PM) 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 COR'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 monthly 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. The report shall be sent via e-mail to the NRC CORs and CO.

Please refer to Section F of the basic contract award document for other contract reporting requirements

Technical reporting requirements

Unless otherwise specified above, the contractor shall provide all deliverables as draft products. The NRC COR 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 COR, and then deliver the final version of the deliverable. When mutually agreed upon between the contractor and the COR, 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 (upon request) and electronic formats. The electronic format shall be provided in MS Word or other word processing software approved by the COR For each deliverable, the contractor shall provide one hard copy (upon request) and electronic copy to both the CORs and the CO. The schedule for deliverables shall be contained in the approved project plan for the task order effort.

In all correspondence, include identifying information: JCN No.: Q-4159; Technical Assignment Control No. (TAC), RX0550; Task Order No.:11; the applicant: AREVA; and, the site: N/A.

Prior to the start of Task 4 (Phase 4), the NRC will submit a Phase 4 document to Numark for processing. When a Phase 4 Word document resolving an Open and/or Confirmatory Item is sent to Numark for processing, it is expected that the following will occur:

- Numark will provide technical editing of the Open or Confirmatory Item response.
- 2. Technical editing of Open or Confirmatory Item write ups will be sent back to NRC as Microsoft (MS) Word files (clean version [RO] and a redline strikeout [RSO]) versions. These files do not require:
 - a. cover sheet
 - b. table of contents
 - c. list of figures
 - d. list of tables
 - e. MS Word "keep together" for all items ("Keep together" can be used if text is hanging at the end of a line.)
 - f. footer page numbering changes
 - g. changes in section numbering
- The following text editing will be performed at NRC:
 - a. format / styling
 - b. text consistency
 - c. abbreviations/acronyms used first time in chapter
 - d. reference confirmation

Note: The Phase 4 Word document(s) resolving an Open or Confirmatory Item could be a single paragraph or a set of paragraphs.

At the completion of Task 4, submit a Technical Evaluation Report (TER), for each Sub-section, open item, or confirmatory item of the SER, as described in item 2 above.

At the completion of Task 6 (Phase 6), submit a TER (see Attachment 1 for the outline, format and content of the report) that contains a summary of the review results and the updated report completed under FSER input as provided by NRC technical staff incorporated into the draft final SER.

The primary deliverables, or output of this regulatory review, shall be the updated and properly formatted draft Final Safety Evaluation Reports (FSERs). The draft FSERs will serve as input to the NRC staff's SERs which will document the NRC's technical, safety, and legal basis for approving the DC application. The draft FSERs 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 draft SERs, and ultimately the FSERs, 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 contractor is responsible for structuring the draft SER format to follow Federal and agency standards for publications and the requirements of 'Development of EPR SER Templates for DC and COL Applications' (Task Order 17). 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., applies 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.

The contractor should acquire NRC network/ADAMS access and provide accessible, archival-quality, print-ready, Web-enabled DOC source files that meet Federal and agency requirements for publications. These source files are entered in ADAMS and on finalization by the NRC COR, will be converted by ADAMS into Web-enabled PDFs. The printed version is to be made from the electronic file. Alternatively, on an interim basis while the contractor is pursuing IT2 clearance, the contractor will provide accessible, archival-quality, print-ready, Web-enabled PDF and DOC source files that meet Federal and agency requirements for publications. The print and electronic copies must match (suggestion: print the paper copy from the PDF, which is generated from the MS Word DOC file).

Electronic files should be:

- 1. Accessible: Comply with Section 508 of the Rehabilitation Act (check the accessibility); accessible to screen readers; high contrast in black and white and, if any color is used; such information conveyed with color shall be conveyed equally well when color is not available.
- 2. Archival: Generate PDF using PDF/A format, an international standard for archival PDF; 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).
- 4. 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)

Page 5

- 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.

6.0 MEETINGS AND TRAVEL

The following travel assumptions should be considered in planning the work effort. Travel in excess of the total number of person-trips must be approved by the CO; travel within the work scope limits must be approved by the COR.

a. A maximum of two trips: 1-person, 1-day working meetings at NRC headquarters to review deliverables (as needed)*

*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 Reference COL (R-COL) Subsequent COL (S-COL) [S-COL] Sections and the relevant Appendices from the [R-COL] [S-COL] application.
- b. CD-ROM containing the Final Safety Evaluation Report of the DCD.

8.0 LEVEL OF EFFORT

The estimated level of effort in professional staff hours apportioned among the tasks and by labor category is as follows:

Task(s)	Labor Category	Level of Effort FY-13 (hours)	Level of Effort FY-14 (hours)
4. Phase 4 SER Integration	Technical Editor	900	300
	Document Specialist	600	200
5. SER Appendices	Technical Staff	150	50
	Document Specialist	60	40
6. Phase 6 SER	Technical Editor	70	30
	Document Specialist	150	50
Tasks 4 – 6	Project Manager	400	140
Tasks 4 – 6	Administrative Support	200	80
Total (3420)		2530	890

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9.0 PERIOD OF PERFORMANCE

The projected period of performance is from 3/1/2013 through 1/31/2014.

10.0. 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. Expected Classification or Sensitivity

All work under this project is expected to be treated as containing sensitive-proprietary information.

c. Assumptions and Understandings:

The level of effort for Task 4 is based on the assumption there will be 19 chapters (including approximately 800 open items) and it will take on the average, 2.5 hours to integrate, format, and edit each open item closure paragraph.

The level of effort for Task 5 is based on the assumption that there will be 19 chapters and 11 appendices. The assumption is that it will take, on average, 10 hours to review each chapter and complete each appendix and the table of contents.

The level of effort for Task 6 is based on the assumption that there will be 19 chapters and it will take, on the average, 10 hours to develop necessary appendices, contents and draft final SER.

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 to discuss open items in an attempt to obtain additional information or reach resolution.

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

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

Attachments:

- Outline, Format, and Content for the TER Input
- 2. Appendices

Attachment 1 Outline of the TER

General Discussion

The Proposed TER will consist of:

- 1. Staff input (Technical evaluation and conclusion) integrated into SER template.
- 2. Red-line strike out of Staff input (Technical evaluation and conclusion)
- 3. Original staff input (technical evaluation and conclusion)

One TER will be provided for each chapter of the SER (19 total)

One separate TER will be provided for all of the appendices.

Attachment 2 List of Appendices

Table of Contents

- A Chronology (supplied by NRC)
- B References
- C Abbreviations
- D Principal Contributors (supplied by NRC)
- E Chronology of NRC'S Request for Additional Information (RAI) (supplied by NRC)
- F Reports by the Advisory Committee on Reactor Safeguards (ACRS) (supplied by NRC)
- G Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Cross-References
- H Initial Test Program Test Cross-References
- I Technical Specifications (TS) and Cross-References
- J 10 CFR 20.1406 Minimization of Contamination Cross-References (supplied by NRC)