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| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | 1. CONTRACT ID CODE | | PAGE OF PAGES | |
| 2. AMENDMENT/MODIFICATION NO. M0005 | | 3. EFFECTIVE DATE See Block 16C | | 4. REQUISITION/PURCHASE REQ. NO. NRR-14-0247/000001 | |
| 5. PROJECT NO. (If applicable) | | 6. ISSUED BY US NRC - HQ ACQUISITION MANAGEMENT DIVISION MAIL STOP 3WFN-05-C64MP WASHINGTON DC 20555-0001 | | 7. ADMINISTERED BY (If other than Item 6) | |
| 8. NAME AND ADDRESS OF CONTRACTOR (No. street, county, State and ZIP Code) SOLUTION TECHNOLOGY SYSTEMS INC ATTN WILLIAM T CALLERY NA ARLINGTON VA 222092510 | | 9A. AMENDMENT OF SOLICITATION NO. | | 9B. DATED (SEE ITEM 11) | |
| 10A. MODIFICATION OF CONTRACT/ORDER NO. NRC-HQ-12-C-33-0123 NRC-HQ-13-T-03-0001 | | 10B. DATED (SEE ITEM 13) 08/06/2013 | | 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS | |
| 12. ACCOUNTING AND APPROPRIATION DATA (If required) 2014-X0200-FEEBASED -20-20D099-11-5-156-J4793-3145 | | Net Increase: \$1,091,985.43 | | 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) | | | |
| X | | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR clause 52.212-4(c) | | | |
| | | D. OTHER (Specify type of modification and authority) | | | |
| E. IMPORTANT: Contractor <input type="checkbox"/> is not. <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office. | | | | | |
| 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) The purposes of this modification are to: | | | | | |

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)
2014-X0200-FEEBASED -20-20D099-11-5-156-J4793-3145 Net Increase: \$1,091,985.43

| | | | | | |
|-----------|--|--|--|--|--|
| 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) | | | |
| X | | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR clause 52.212-4(c) | | | |
| | | D. OTHER (Specify type of modification and authority) | | | |

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 purposes of this modification are to:

- Add two subtasks (Item Numbers 09404 and 09505 in this modification) to this task order. Attachment 2 to the task order with the two new subtasks is included as an attachment to this modification and highlights Subtask 3 and Subtask 4.
- Obligate funding in the amount of \$1,091,985.43 as follows:
Item No. 9504: \$730,852.09; and
Item No. 9505: \$361,133.34.

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) HERIBERTO COLON | |
| 15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign) | | 16C. DATE SIGNED 08/07/2014 | |

NSN 7540-01-152-8070
Previous edition unusable

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

SUNSI REVIEW COMPLETE

TEMPLATE - ADM001

NOV 05 2014

ADM002

CONTINUATION SHEET

REFERENCE NO OF DOCUMENT BEING CONTINUED
 NRC-HQ-12-C-33-0123/NRC-HQ-13-T-03-0001/M0005

PAGE OF
 2 18

NAME OF OFFEROR OR CONTRACTOR
 SOLUTION TECHNOLOGY SYSTEMS INC

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|-----------------|---|-----------------|-------------|-------------------|---------------|
| 09504 | <p>3. Extend the period of performance of this task order through September 30, 2015 to allow for completion of Subtask 3 and Subtask 4.</p> <p>As a result of this modification, the ceiling and obligated amounts of this task order are increased by \$1,091,985.43 from \$2,830,051.57 to \$3,922,037.00.</p> <p>Attachment 2 Subtask 3, Refinement of High Level Design Requirements</p> <p>Milestone 4.1, OLTS Refinement, due by 11/21/14. Price: \$146,170.42</p> <p>Milestone 4.2, RPS Refinement, due by 1/16/15. Price: \$109,627.81</p> <p>Milestone 4.3, RPS Refinement, due by 3/13/15. Price: \$109,627.81</p> <p>Milestone 4.4, RPS Refinement, due by 5/8/15. Price: \$109,627.81</p> <p>Milestone 4.5, RPS Refinement, due by 7/3/15. Price: \$109,627.81</p> <p>Milestone 4.6, Finalization, due by 9/25/15. Price: \$146,170.43</p> | | | | 730,852.09 |
| 09505 | <p>Attachment 2 Subtask 4, FA3/FA4 Transition Activities</p> <p>Authorized Labor Categories and Fixed Hourly Rates:</p> <p>For the period of 1/1/15 through 9/25/15:</p> <p>Sr. Business Analyst: \$122.77/hour Sr. System Analyst: \$135.37/hour Sr. Solution Architect: \$144.25/hour</p> <p>For the period of 9/26/15 through 9/30/15:</p> <p>Sr. Business Analyst: \$126.82/hour Sr. System Analyst: \$139.84/hour Sr. Solution Architect: \$149.01/hour</p> | | | | 361,133.34 |

Attachment 2

**Performance Work Statement
IT/IM Strategic Planning
(Subtask 1)**

1. IT/IM Subtask 1 – IT/IM Performance Work Statement

NRC's IT/IM Strategic Planning Branch (ISPB) requires assistance to establish enterprise-wide technology standards to support a broad range of business and technical functions across its environment. The contractor shall assemble a team that brings significant capability, including specific domain expertise in technical standards, technical project management, governance, enterprise architecture, and process improvement.

Successful communication activities represent a critical component of ISPB's operational effectiveness and have traditionally played a significant role in determining the success or failure of various NRC projects and initiatives. Communications at NRC are complicated by the existence of diverse stakeholder groups including management, program staff, IT/IM, and other support staff. The contractor shall:

- Engage ISPB to Plan and Coordinate Work Activities
- Align technology standards with the Strategic Plan and Roadmap
- Establish Data Interface Requirements
- Develop Data Definitions
- Establish Architecture Requirements
- Obtain Approval of recommended Technology Standards
- Provide Regular Progress Reports

1.1 RPS Subtask 1 - IT/IM Activities

1.1.1 Engage ISPB to Plan and Coordinate Work Activities

The contractor shall support post-award kick-off activities and establish a process for standards definition and adoption. This will include the following activities:

- Meet with ISPB to identify all NRC project stakeholders
- Present our Stakeholder Management and Communications (SMC) Methodology for the IT/IM Subtask
- Discuss ongoing NRC stakeholder engagement
- Identify our approach for identifying and capturing appropriate standards

1.1.2 Establish Alignment with Strategic Plan and Roadmap

Perform the following activities as technology standard are identified:

- Work the agency's IT/IM strategic planning processes to integrate standards into planned work
- Harvest investments made across the agency as agency-wide standards
- Establish/implement touch points during the agency's planning and budgeting processes
- Align planned activities with technology standards
- Add new activities to the roadmap for the promotion and use of standards agency-wide.

1.1.3 Establish Data Interface Requirements

To establish consistent mechanisms for accessing data across repositories, we will:

- Develop requirements for use by technical teams across the agency.

- Leverage previously performed work, including efforts to establish authoritative data sources
- Define content and format to communicate interface requirements to technical PMs, developers, database architects, etc.

1.1.4 Establish Data Definitions

The contractor shall work collaboratively with OIS, ISPB, and specific solution/repository owners to:

- Develop/maintain data definitions within the Enterprise Data Inventory.
- Develop and refine the inventory structure
- Develop new definitions as required
- Refine existing definitions based on specific system changes.

1.1.5 Develop Architecture Requirements

The contractor shall work with NRC stakeholders to:

- Determine architecture priorities
- Support the development/enhancement of architecture components
- Support the evolution of architecture repositories and content to improve the structure and usability.

1.1.6 Obtain Approval on Recommended Technology Standards

To support the approval and adoption of Technology Standards the team will:

- Assist in the development and approval of packages for Architecture Council (AC) review and including definition of the standard, applicability, enterprise benefit(s), etc.
- Brief the AC on standards and broader directions.

1.2 RPS Subtask 1 – IT/IM Performance Requirements

1.2.1 Services/Deliverables

The contractor shall deliver an analysis of existing NRC and Federal technology standards, and commercial best practices. This will include architecture analysis, alternatives analysis, and resource and cost estimates. The specific artifacts to be completed for each task are detailed below.

(Note, Subtask 1, IT/IM is the 'second' component of the RPS Performance Work Statement, therefore, all IT/IM Subtask Activities are prefixed by the number '2')

RPS Subtask 1 IT/IM - PERFORMANCE REQUIREMENTS TABLE

| IT/IM Subtask Activity | Service/Deliverable | Performance Standard |
|------------------------|------------------------------|---|
| 2.1 IT/IM Technology | Top ten technology standards | Top 10 technology specification standards |

| IT/IM Subtask Activity | Service/Deliverable | Performance Standard |
|--|---|---|
| Standards (3/31/2014) | Technology standard recommendations | Detailed technology standards relevant to NRC |
| | Technology standards roadmap (Draft) | Draft plan for enterprise technology standard implementation and adoption |
| 2.2 IT/IM Data Requirements (6/30/2014) | Data definition and requirements input for the Reactor Program System (RPS) data interfaces | Detailed RPS data interface specifications by interfacing system |
| | Technology standards roadmap (Update) | Updated plan for technology standard adoption and implementation |
| 2.3 Data Interface Standards (9/30/2014) | Data interface technology standards | Detailed data interface technology specifications based on relevance to NRC |
| | Technology standards roadmap (Update) | Updated plan for technology standard adoption and implementation |
| | RPS data interface specifications (Draft) | Data interface technology standards for RPS |
| 2.4 Additional Standards (11/30/2014) | Establish additional standards as described in NRC approved standard implementation roadmap | Document additional standards per the NRC's standard implementation roadmap |
| | Technology standards roadmap (Final) | Final plan for technology standard adoption and implementation |
| | RPS data interface specifications (Final) | Data interface technology standards for RPS |

1.2.2 Acceptable Quality Level (AQL) (Variance/Deviation from Performance Standard)

The Acceptable Quality Level (AQL) is the deviation or variance from the performance standard that is acceptable to the Government. The variance of a service/deliverable may be 0% if there is simply no margin for error (i.e., manufacturer of a NASA rocket). The variance may be plus or minus and is determined based on the needs of the agency. Not all services/deliverables may require 0% variance (100% compliance) with the performance standards. Variances are established based on the practical needs of the agency with a keen understanding of the cost impact associated with requiring a higher level quality service/deliverable with little or no variance.

The AQL is generally described as a percentage, but may be expressed in other ways as deemed appropriate (i.e., numeric).

AQL Measure: For the Subtasks below, the AQL is based on the number (as opposed to percent) of variances from the artifacts for that ask.

For example, at an AQL of 1 variance, if the government feels that 2 artifacts do not meet the performance/completeness standard set in 1.2.1, then the deliverable would not meet the AQL. 1 variance would be acceptable and account for different interpretations.

RPS IT/IM SUBTASK - ACCEPTABLE QUALITY LEVEL TABLE

| IT/IM Subtask Activities | Service/Deliverable | Performance Standard | Acceptable Quality Level (AQL) |
|--------------------------------|--|--|--------------------------------|
| 2.1 IT/IM Technology Standards | Top 10 technology standards, standards recommendations for NRC, NRC technology standards roadmap | (Complete all standards specified for task in 1.2.1) | 1 variance |
| 2.2 IT/IM Data Requirements | Define RPS data definitions and data interface requirements | (Complete all standards specified for task in 1.2.1) | 1 variance |
| 2.3 Data Interface Standards | Define RPS data attributes, data sharing, architecture and interface requirements | (Complete all standards specified for task in 1.2.1) | 1 variance |
| 2.4 Additional Standards | Develop technology standards approval package(s) for the Architecture Council and final RPS interface specifications | (Complete all standards specified for task in 1.2.1) | 1 variance |

1.2.3 Government Surveillance (Monitoring and Measuring/Testing)

The primary means of surveillance for this Task Order will be artifact reviews. We will distribute documents electronically without generating outsized amounts of paper or email correspondence.

The COR (or appropriate designee) and stakeholders will review artifacts for completeness, per the standards in section 1. The COR will provide interim reviews during each iteration. After these reviews, the contractor shall resolve any findings from the review and re-submit for approval.

The monitoring of accuracy of all artifacts will be aided by:

- Meetings and sessions where SMEs and stakeholders review and discuss various artifacts
- Informal reviews, where stakeholders can review and comment on initial drafts of requirements, architecture and other artifacts

RPS IT/IM SUBTASK 1 - GOVERNMENT SURVEILLANCE TABLE

| IT/IM Subtask Activities | Service/Deliverable | Performance Standard | Acceptable Quality Level (AQL) | G'vt Surveillance Method |
|--------------------------------|--|--|--------------------------------|--------------------------|
| 2.1 IT/IM Technology Standards | Top 10 technology standards, standards recommendations for NRC, NRC technology standards roadmap | (Complete all standards specified for task in 1.2.1) | 1 variance | Artifact Reviews |

| | | | | |
|------------------------------|--|--|------------|------------------|
| 2.2 IT/IM Data Requirements | Define RPS data definitions and data interface requirements | (Complete all standards specified for task in 1.2.1) | 1 variance | Artifact Reviews |
| 2.3 Data Interface Standards | Define RPS data attributes, data sharing, architecture and interface requirements | (Complete all standards specified for task in 1.2.1) | 1 variance | Artifact Reviews |
| 2.4 Additional Standards | Develop technology standards approval package(s) for the Architecture Council and final RPS interface specifications | (Complete all standards specified for task in 1.2.1) | 1 variance | Artifact Reviews |

1.2.4 Government Incentives

Performance of a service (artifacts) will be evaluated to determine whether or not it meets the performance requirements and standards set forth in the contract. When the performance requirement is not met, the deficiency will be brought to contractor's attention. Contractor will be allowed to respond to the deficiency and the NRC will evaluate the response.

For service (artifact) that meets the performance requirement and standard of the contract, the contractor shall be paid the percentage of the contract line item price indicated in the PRS for that service/deliverable.

If performance of a service (artifact) fails to meet the performance requirement and standard for a service surveilled by the method shown on the PRS, the NRC will subtract an amount from the applicable contract line item number (CLIN) as specified in the PRS in this section and under the incentives column in Technical Exhibit 1.

Any deductions from payment shall be taken from the payment for the month in which the Contracting Officer makes the determination that deduction is appropriate, regardless of the period in which the performance occurred.

General Incentive Structure

The incentive structure will be similar across contract line items. A penalty is assessed for 3 or more variances, and an incentive is applied for zero (0) variances. At each task milestone, the following table would apply.

| Variances | Incentive/Disincentive |
|--|---|
| Zero (0) (all artifacts meet the performance standard for the task, as specified in 1.2.1) | Incentive of an additional 1.5% of the CLIN value is paid to the contractor. |
| One (1) artifact does not meet the performance standard for the task, as specified in 1.2.1 | No incentive or disincentive. |
| Two (2) artifacts do not meet the performance standard for the task, as specified in 1.2.1 | Disincentive of 1.5% of the CLIN value is deducted from invoice/payments to contractor. |

RPS IT/IM SUBTASK - GENERAL INCENTIVE TABLE

| IT/IM Subtask Activities | Service/Deliverable | Performance Standard | Acceptable Quality Level (AQL) | G'vt Surveillance Method | Incentives |
|--------------------------------|--|--|--------------------------------|--------------------------|--|
| 2.1 IT/IM Technology Standards | Top 10 technology standards, standards recommendations for NRC, NRC technology standards roadmap | (Complete all standards specified for task in 1.2.1) | 1 variance | Artifact Reviews | 1.5% incentive for 0 variances; 1.5% disincentive for >0 variances |
| 2.2 IT/IM Data Requirements | Define RPS data definitions and data interface requirements | (Complete all standards specified for task in 1.2.1) | 1 variance | Artifact Reviews | 1.5% incentive for 0 variances; 1.5% disincentive for >0 variances |
| 2.3 Data Interface Standards | Define RPS data attributes, data sharing, architecture and interface requirements | (Complete all standards specified for task in 1.2.1) | 1 variance | Artifact Reviews | 1.5% incentive for 0 variances; 1.5% disincentive for >0 variances |
| 2.4 Additional Standards | Develop technology standards approval package(s) for the Architecture Council and final RPS interface specifications | (Complete all standards specified for task in 1.2.1) | 1 variance | Artifact Reviews | 1.5% incentive for 0 variances; 1.5% disincentive for >0 variances |

The information above pertains solely to the RPS Subtask 1 IT/IM. All other information relating to this Subtask is detailed in the primary Performance Work Statement for MOM FA3 Task Order 1, Reactor Program System Replacement, and Subtask 2 Analysis of Alternatives.

Attachment 2

**Performance Work Statement
RPS Analysis of Alternatives
(Subtask 2)**

1. RPS Subtask 2 – Analysis of Alternatives Performance Work Statement

For the RPS Analysis of Alternatives Subtask the contractor shall provide technical expertise to:

- Review existing technical and functional requirements
- Develop technical platform evaluation criteria
- Identify technical platform alternatives
- Assess the technical platform alternatives against the evaluation criteria
- Develop resource estimates for the development of the modernized Reactor Program System

1.1 Subtask 2 AoA Activities

1.1.1 Requirements and Architecture Development

Perform the following activities related to RPS Requirements and scope:

- Assimilate existing Reactor Program System documentation from within the Office of Nuclear Reactor Regulation and the Office of Information Services
- Develop summary RPS requirements that influence technical platform analysis and selection
- Review and verify requirements with stakeholders and SMEs
- Update RPS technical requirements
- Develop a high level solution architecture based on requirements to support analysis of alternative
- Conduct additional validation meeting(s) to review and refine the draft architecture
- Revise and finalize the RPS Solution Architecture

1.1.2 Evaluation of Alternatives, Preliminary Resource Estimate

Perform the following activities related to the evaluation of alternative platforms and preliminary resource/cost estimate:

- Identify alternative technical solutions based on their ability to meet the identified requirements and address the proposed architecture
- Conduct validation meeting(s) with stakeholders to review and refine potential alternatives
- Develop evaluation criteria based on a weighting of requirements and solution characteristics including: solution implementation complexity, level of effort, timeframe, cost and fit within existing agency technical policies and standards
- Conduct validation meeting(s) with stakeholders to review and refine the criteria and relative weights
- Conduct the alternatives analysis by applying the criteria to potential solutions
- Develop summary narrative that describes alternative solutions and results
- Conduct a single review session to present initial analysis and distribute the analysis documentation to applicable stakeholders for further review during a brief, time-boxed, review window
- Incorporate feedback from stakeholders into the analysis
- Distribute updated analysis
- Develop Preliminary RPS Development Cost Estimate based on the requirements and preferred platform

1.1.3 Final Resource/Cost Estimate

Perform the following activities related to finalizing the Resource/Cost estimate:

- Develop detailed project development schedule including the following activities:
 - Transition from FA3 vendor
 - Iterative schedule for: developing detailed design artifacts; update all system artifacts; short-cycle system component delivery including user review/test/acceptance activity; system component migration and deployment activities; final user test and acceptance; final artifact delivery
- Update Resource/Cost estimate and distribute to key stakeholders for review, comment, concurrence
- Distribute Final RPS Development Resource/Cost Estimate.

1.2 Subtask 2 – AoA Performance Requirements

1.2.1 Services/Deliverables

The contractor shall deliver the requirements and architecture analysis, alternatives analysis and resource/cost estimate required by NRC. The specific artifacts to be completed for each task are detailed below.

(Note, the RPS Analysis of Alternatives Subtask is the ‘third’ component of the RPS Performance Work Statement, therefore, all AoA Subtask Activities are prefixed by the number ‘3’)

RPS AoA PERFORMANCE REQUIREMENTS TABLE

| AoA Subtask Activity | Service/Deliverable | Performance Standard |
|---|---|---|
| 3.1 RPS Requirements and Architecture Development (3/14/2014) | Requirements for Analysis (Draft/Final) | Final existing high level technical requirements |
| | Solution Architecture for Analysis (Draft) | Draft high level solution architecture based on requirements to facilitate analysis of alternatives |
| | Summary Presentation (Draft) | Initial Summary Presentation to include: Requirements and Solution Architecture |
| 3.2 RPS Alternative Assessment, Draft Resource Estimate (5/14/2014) | Alternatives Analysis | Identify alternative solution architectures, establish evaluation criteria, apply evaluation criteria to each potential solution architecture, and assess results and supporting analysis |
| | Solution Architecture for Analysis (Update) | Update high level solution architecture based on requirements to facilitate analysis of alternatives |
| | Resource Estimate (Draft) | Draft RPS development Resource Estimate |

| AoA Subtask Activity | Service/Deliverable | Performance Standard |
|-------------------------------------|--|---|
| | Summary Presentation (Update) | Update Summary Presentation to include: Solution Architecture Analysis and Draft Resource Estimate |
| 3.3 RPS Resource Estimate (9/30/14) | Resource Estimate (Final) | Develop final RPS development Resource Estimate |
| | Solution Architecture for Analysis (Final) | Final high level solution architecture based on requirements to facilitate analysis of alternatives |
| | Summary Presentation (Final) | Final Summary Presentation to include: Resource Estimate |

1.2.2 Acceptable Quality Level (AQL) (Variance/Deviation from Performance Standard)

The Acceptable Quality Level (AQL) is the deviation or variance from the performance standard that is acceptable to the Government. The variance of a service/deliverable may be 0% if there is simply no margin for error (i.e., manufacturer of a NASA rocket). The variance may be plus or minus and is determined based on the needs of the agency. Not all services/deliverables may require 0% variance (100% compliance) with the performance standards. Variances are established based on the practical needs of the agency with a keen understanding of the cost impact associated with requiring a higher level quality service/deliverable with little or no variance.

The AQL is generally described as a percentage, but may be expressed in other ways as deemed appropriate (i.e., numeric).

AQL Measure: For the Subtasks below, the AQL is based on the number (as opposed to percent) of variances from the artifacts for that ask.

For example, at an AQL of 1 variance, if the government feels that 2 artifacts do not meet the performance/completeness standard set in 1.2.1, then the deliverable would not meet the AQL. 1 variance would be acceptable and account for different interpretations.

RPS AoA SUBTASK - ACCEPTABLE QUALITY LEVEL TABLE

| AoA Subtask Activities | Service/Deliverable | Performance Standard | Acceptable Quality Level (AQL) |
|---|--|--|---------------------------------------|
| 3.1 RPS Requirements and Architecture Development | AoA Requirements and Architecture artifacts, completed to performance standard specified in 1.2.1 | (Complete all standards specified for task in 1.2.1) | 1 variance |
| 3.2 RPS Alternative Assessment, Draft Resource Estimate | AoA Alternative Assessment and Resource Estimate artifacts, completed to performance standard specified in 1.2.1 | (Complete all standards specified for task in 1.2.1) | 1 variance |

| | | | |
|---------------------------|---|--|------------|
| 3.3 RPS Resource Estimate | AoA Resource Estimate and Final Subtask artifacts, completed to performance standard specified in 1.2.1 | (Complete all standards specified for task in 1.2.1) | 1 variance |
|---------------------------|---|--|------------|

1.2.3 Government Surveillance (Monitoring and Measuring/Testing)

The primary means of surveillance for this Task Order will be artifact reviews. We will distribute documents electronically without generating outsized amounts of paper or email correspondence.

The COR (or appropriate designee) and stakeholders will review artifacts for completeness, per the standards in section 1.2.4. The COR will provide interim reviews during each iteration. After these reviews, the contractor shall resolve any findings from the review and re-submit for approval.

The monitoring of accuracy of all artifacts will be aided by:

- Meetings and sessions where SMEs and stakeholders review and discuss various artifacts
- Informal reviews, where stakeholders can review and comment on initial drafts of requirements, architecture and other artifacts

RPS AoA SUBTASK - GOVERNMENT SURVEILLANCE TABLE

| Task | Service/Deliverable | Performance Standard | Acceptable Quality Level (AQL) | G'vt Surveillance Method |
|---|--|--|---------------------------------------|---------------------------------|
| 3.1 RPS Requirements and Architecture Development | AoA Requirements and Architecture artifacts, completed to performance standard specified in 1.2.1 | (Complete all standards specified for task in 1.2.1) | 1 variance | Artifact Reviews |
| 3.2 RPS Alternative Assessment, Draft Resource Estimate | AoA Alternative Assessment and Resource Estimate artifacts, completed to performance standard specified in 1.2.1 | (Complete all standards specified for task in 1.2.1) | 1 variance | Artifact Reviews |
| 3.3 RPS Resource Estimate | AoA RPS Resource Estimate and Final Subtask artifacts, completed to performance standard specified in 1.2.1 | (Complete all standards specified for task in 1.2.1) | 1 variance | Artifact Reviews |

1.2.4 Government Incentives

Performance of a service (artifacts) will be evaluated to determine whether or not it meets the performance requirements and standards set forth in the contract. When the performance

requirement is not met, the deficiency will be brought to contractor's attention. Contractor will be allowed to respond to the deficiency and the NRC will evaluate the response.

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Any deductions from payment shall be taken from the payment for the month in which the Contracting Officer makes the determination that deduction is appropriate, regardless of the period in which the performance occurred.

General Incentive Structure

The incentive structure will be similar across contract line items. A penalty is assessed for 1 or more variances, and an incentive is applied for zero (0) variances. At each task milestone, the following table would apply.

| Variances | Incentive/Disincentive |
|--|---|
| Zero (0) (all artifacts meet the performance standard for the task, as specified in 1.2.1) | Incentive of an additional 1.5% of the CLIN value is paid to the contractor. |
| One (1) artifact does not meet the performance standard for the task, as specified in 1.2.1 | No Incentive or Disincentive applied. |
| Two (2) artifacts do not meet the performance standard for the task, as specified in 1.2.1 | Disincentive of 1.5% of the CLIN value is deducted from invoice/payments to contractor. |

RPS AoA SUBTASK - GENERAL INCENTIVE TABLE

| Task | Service/ Deliverable | Performance Standard | Acceptab le Quality Level (AQL) | G'vt Surveilla nce Method | Incentives |
|---|--|--|--|--|--|
| 3.1 RPS Requirements and Architecture Development | (Deliverables specified for task in 1.2.1) | (Complete all standards specified for task in 1.2.1) | 1 variance | Artifact Reviews | 1.5% incentive for 0 variances; 1.5% disincentive for >0 variances |
| 3.2 RPS Alternative Assessment, Draft Resource Estimate | (Deliverables specified for task in 1.2.1) | (Complete all standards specified for task in 1.2.1) | 1 variance | Artifact Reviews | 1.5% incentive for 0 variances; 1.5% disincentive for >0 variances |

| | | | | | |
|---------------------------|--|--|------------|------------------|--|
| 3.3 RPS Resource Estimate | (Deliverables specified for task in 1.2.1) | (Complete all standards specified for task in 1.2.1) | 1 variance | Artifact Reviews | 1.5% incentive for 0 variances; 1.5% disincentive for >0 variances |
|---------------------------|--|--|------------|------------------|--|

The information above pertains solely to the RPS Analysis of Alternatives Subtask 2. All other information relating to this Subtask is detailed in the primary Performance Work Statement for this MOM FA3 Task Order 1, Reactor Program System Replacement.

Attachment 2

Performance Work Statement Refine High Level Design Requirements (Subtask 3)

The Contractor shall refine the current high level design to ensure outcomes result in further refined business, technical and non-functional RPS requirements. The Contractor shall identify gaps, deviations from business processes and missing use cases. The Contractor shall discuss and work on the items in the parking lot and/or backlog. The Contractor shall capture the list of Change Request (CR) items that have been created based on user and/or stakeholder requests for changes and feature sets in the existing client-server RPS. The Contractor shall analyze all the CRs to ensure the requirements have been taken into consideration in the Replacement RPS, based on users and/or stakeholders input. The Contractor shall focus on data migration activities; suggested items to be considered shall include: high level project plan, data mapping strategy, testing strategy, and optional data migration phases. The Contractor shall provide a schedule, list of deliverables and standards/criteria for completion of these tasks. The period of performance for this task is date of task order modification through 9/25/2015. This task is a firm-fixed-price.

Attachment 2

Performance Work Statement FA3/FA4 Transition Activities (Subtask 4)

The Contractor shall facilitate an organized, thorough transfer of knowledge, information, and artifacts that were acquired or developed under this task order to the FA4 Contractor that NRC selects for RPS development after NRC awards that task order. The Contractor shall, as requested by the TO COR, communicate as frequently as may be necessary, both in person and remotely, with the FA4 contractor during the overlap of the FA3 and FA4 task orders (transition period) to ensure that the FA3 contractor's transfer of knowledge, information and artifacts is complete and successful. These transition activities shall begin after the FA4 task order is awarded, which is expected to occur no later than the second quarter of fiscal year 2015. The period of performance for this task is date of FA4 task order award through 9/30/2015. The exact start date will be specified by future modification to this task order. This subtask may be priced on a labor-hour basis. The Government estimates that approximately 2,600 contractor labor-hours may be required to perform the requirements of this task.