

2. AMENDMENT/MODIFICATION NO. M008      3. EFFECTIVE DATE February 17, 2009      4. REQUISITION/PURCHASE REQ. NO. 07-06-504M008/M010  
 REPA #'s in AAMS      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      U.S. Nuclear Regulatory Commission  
 Div. of Contracts      Div. of Contracts  
 Attn: H. (Eddie) Col?n, Jr.      Mail Stop: TWB-01-B10M  
 Mail Stop: TWB-01-B10M      Washington, DC 20555  
 Washington, DC 20555

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)  
 PROJECT PERFORMANCE CORPORATION  
 ATTN: PETER DIERBECK  
 DIRECTOR OF CONTRACTS  
 1760 OLD MEADOW RD STE 400  
 MC LEAN VA 221024331  
 CODE 622496230      FACILITY CODE

(X) 9A. AMENDMENT OF SOLICITATION NO.  
 9B. DATED (SEE ITEM 11)  
 10A. MODIFICATION OF CONTRACT/ORDER NO. GS35F0068J DR-07-06-504  
 10B. DATED (SEE ITEM 13) 09-29-2006

**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)      911-15-123-133      R1168      3131      31X0200.911  
 OBLIGATE: \$300,000.00 (FFS Commitment #: NSR-09-159)

**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).  
 C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:  
 D. OTHER (Specify type of modification and authority)      C.2 - 52.217-7 - Option to Increase Quantity - Separately Priced Line Item (MAR 1989)  
 X

**E. IMPORTANT:** Contractor  is not,  is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)  
 The following changes are hereby incorporated into Task Order No.: DR-07-06-504:  
 (SEE ATTACHED CONTINUATION PAGES)  
 Period of Performance: 9/29/2006 - 9/28/2009 (unchanged)  
 Ceiling: \$4,245,530.80 (changed)  
 Obligation: \$4,061,296.79 (changed)

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) Peter Dierbeck, Director of Contracts  
 15B. CONTRACTOR/OFFEROR *Laura Weeks* (Signature of person authorized to sign)  
 15C. DATE SIGNED BY 05/11/2009  
 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Heriberto Col?n, Jr., Contracting Officer  
 16B. UNITED STATES OF AMERICA (Signature of Contracting Officer)  
 16C. DATE SIGNED 5/20/2009

The purpose of this modification is to:

- (1) revise the Statement of Work to add sections 6.15 – 6.19 to define requirements and allow PPC to provide the NRC with technical support in the following areas: Validating the ERDS Data Point Library; ERDS Maintenance Environment; ERDS Phase II Pilot/Transition to VPN; ERDS Web Server Redundancy; and ERDS Project Management **at no additional cost** (within the ceiling of the task order per period of performance).

*This modification confirms the previous authorization provided to PPC via email dated 2/17/2009 to commence work on this effort, effective February 17, 2009.*

*Reference is made to PPC's proposal dated February 10, 2009 in response to this effort, as revised via emails dated 3/17/2009 and 4/20/09 (corrected typographical errors in cost proposal) requesting a "No-Cost Realignment of Resources," which is hereby accepted.*

- (2) Exercise OPTIONAL Task 1- Additional Support, under the task order, thereby increasing the total amount (ceiling) of the task order by **\$216,660.78**, from \$4,028,870.02 to **~~\$4,245,530.80~~**.
- (3) Provide incremental funding in the amount of **\$300,000.00**, thereby increasing the obligated amount of the order from \$3,761,296.79 to **\$4,061,296.79**.

Accordingly, the order is modified as follows:

1. The SOW is revised to add the following sections 6.15 through 6.19 immediately after section 6.14:

***...6.15 Validate ERDS Data Point Library (DPL)***

*Requirements:*

- 6.15.1 *The contractor shall perform the comparative analysis to determine inconsistencies between the existing ERDS DPL database at NRC and each NRC ERDS Licensees DPL database.*
- 6.15.2 *The contractor shall produce a report that provides recommended solutions and must contain discussion about each solution proposed and give their pros and cons as well as cost of each solution. This report should also rank each solution from most to least viable.*

- 6.15.3 The contractor shall perform all necessary tasks to implement the NRC selected solution.

*Deliverables: ERDS DPL/PAL Recommendations Report (2 weeks after completion of Task 6.15.1), ERDS DPL/PAL Validation Report (2 weeks after completion of Task 6.15.3)*

*Acceptance Criteria: The Recommendation Report should provide a recommended solution with discussion about each solution proposed and ranking.*

*The deliverables are received on time as defined in the project schedule and accepted by the NRC Contracting Officer.*

## **6.16 ERDS Maintenance Environment**

*Requirements:*

- 6.16.1 The contractor shall provide and install all of the necessary software and hardware to build-out a fully functioning ERDS maintenance environment to mirror the production environment.
- 6.16.2 The contractor shall validate the ERDS maintenance environment once the installation is complete to determine that the system is functioning properly.
- 6.16.3 The contractor shall provide a complete demonstration of the ERDS maintenance environment to the ERDS project officer and staff members from the Office of Nuclear Security and Incident Response. The demonstration provided should cover all functional aspects of the working system.
- 6.16.4 The contractor shall provide a complete set of documentation. The document set should include but is not limited to; design; configuration and maintenance documentation.

*Deliverables: ERDS Maintenance System Functional Test Report (2 weeks after completion of Task 6.16.2), ERDS Maintenance System Demonstration (2 weeks after completion of Task 6.16.3), ERDS Maintenance System Documentation to include but is not limited to; design; configuration and maintenance documentation (2 weeks after completion of Task 6.16.4)*

*Acceptance Criteria: The ERDS maintenance environment, the Functional test report and documentation should be accurate and complete as described in the tasks above. A successful functional test of the environment with no major defects.*

*The deliverables are received on time as defined in the project schedule and accepted by the NRC Contracting Officer.*

#### **6.17 ERDS Phase II Pilot/Transition to VPN**

*Requirements:*

- 6.17.1 *The contractor shall develop a comprehensive deployment plan to define all tasks necessary to effectively test and transition ERDS release 2. This plan shall include but not be limited to; Coordination with Licensees; configuration of hardware; shipping of hardware; testing end to end communication and functionality.*
- 6.17.2 *The contractor shall provide the necessary software and hardware needed to follow the deployment plan to install the ERDS release 2 solutions at all ERDS enabled Licensee sites.*
- 6.17.3 *The contractor shall provide a complete set of documentation. The document set should include but is not limited to; design; configuration and maintenance documentation.*

*Deliverables: ERDS Phase II Deployment Plan (2 weeks after completion of Task 6.17.1), ERDS Phase II to include but is not limited to; design; configuration and maintenance documentation (2 weeks after completion of Task 6.17.2)*

*Acceptance Criteria: The Deployment plan and documentation shall be complete and accurate. Successful test of data feeds from all ERDS enabled licensee sites.*

*The deliverable are received on time as defined in the project schedule and accepted by the NRC Contracting Officer.*

#### **6.18 Web Server Redundancy**

*Requirements:*

- 6.18.1 *The contractor shall design alternative strategies to provide Web Server redundancy. Proposed solution must identify all components of the architecture including software and hardware. The contractor shall develop a logical view of the system as components and describe the interfaces between them as well as any external system interfaces.*

- 6.18.2 *The contractor shall produce a report that provides recommended solutions and must contain discussion about each solution proposed and give their pros and cons as well as cost of each solution. This report should also rank each solution from most to least viable.*
- 6.18.3 *The contractor shall perform all necessary tasks to implement the NRC selected solution.*
- 6.18.4 *The contractor shall provide a complete set of documentation. The document set should include but is not limited to; design; configuration and maintenance documentation.*

*Deliverables: Web Server Redundancy Design Alternatives (2 weeks after completion of Task 6.19.1), Web Server Redundancy Recommendation Report (2 weeks after completion of Task 6.19.2), Web Server Redundancy documentation to include but is not limited to; design; configuration and maintenance documentation (2 weeks after completion of Task 6.19.3)*

*Acceptance Criteria: The Recommendation Report should provide a recommended solution with discussion about each solution proposed and ranking.*

*The deliverable are received on time as defined in the project schedule and accepted by the NRC Contracting Officer.*

## **6.19 Project Management**

*Requirement:*

- 6.19.1 *The contractor shall review and revise the baseline ERDS Modernization Project Management Plan, including the project schedule and deliverables, as needed for the new tasks. The contractor shall also update the entire planning package as needed.*

6.19.2 The contractor shall provide a revised project plan and schedule that integrates activity and includes a level 5 Work Breakdown Structure (WBS). The WBS shall include a definition of the work to be conducted decomposed into distinct discrete manageable tasks or groups of tasks (work packages) with decisive outputs and specific measurable entry and exit criteria. Each work package shall have short duration, or can be divided into a series of milestones whose status can be objectively measured. Each work package shall be assigned start and finish dates, a budget value, and can be integrated with higher-level schedules. The Microsoft Project plan shall also identify resources for each activity and include the WBS levels. The WBS shall provide a schedule and budget to accomplish the work, identify the resources needed to complete the work, and allocate the amount of effort and time required to complete each task identified.

6.19.3 The contractor shall identify, analyze and prioritize project risks and update the Risk Analysis Report with priorities and mitigation strategies.

*Deliverables: Project Management Plan (revised, within 2 weeks after award), Project Scheduled (revised, within 2 weeks after award); Planning Package (revised, with 4 weeks after award); Risk Analysis Report (within 4 weeks after award)*

*Acceptance Criteria: Updated Project Management Plan and Project Schedule contains specific data for level of effort, and adequately reflects plans for executing work on the task described in this statement. Revised Planning packages provide appropriate and relevant plans for the project. Risk Analysis Report accurately identifies and prioritizes risks with mitigation strategies.*

*The deliverable are received on time as defined in the project schedule and accepted by the NRC Contracting Officer.*

6.19.4 The contractor shall attend a kick-off meeting that will be conducted at NRC within ten business days following the date of contract award to introduce staff and to conduct a detailed project review. The NRC will provide a detailed overview about the statement of work and their operational expectations and the contractor will present their approach for completing the work.

*Deliverables: Kickoff Meeting (shall be delivered within 10 days of award)*

*Acceptance Criteria: Attendance by Program Manager and key staff for a 2 hour kickoff meeting.*

6.19.5 *The contractor shall provide a Program Manager to oversee and manage the contractor tasks and resources; plan the project, monitor progress and resolve issues; drive the technical deployment of solution; and help define strategy and features for all aspects of the solution. The contractor shall maintain continuous availability of all key personnel who are required to successfully perform the work required in the SOW.*

*The contractor shall arrange system review meetings throughout the life of the contract to discuss issues such as project schedule, budget, resources, equipment, goals, milestones, or anything else that may need attention by the NRC Project Officer or contractor. The frequency of these meetings will be agreed upon by both the NRC Project Officer and contractor immediately following contract award. However, at a minimum, there will be at least one system review meeting conducted quarterly throughout the life of the contract. These meetings can be conducted as teleconferences.*

*Deliverables: Review Meetings (Quarterly or as needed)*

*Acceptance Criteria: Attendance by Program Manager and key staff for the meeting.*

6.19.6 *The contractor shall provide technical progress reports to the NRC Project Officer throughout the life of the contract to describe, in detail, the project's prior, current, and future activities. The report will also provide details about both the project's technical and budgetary performance during the performance period as well as provide Earned Value Measurement (EVM) status. See the Reporting Requirements section in this statement for additional information. The frequency of these progress reports may be changed and will be at the discretion of the NRC Contracting Officer during the contract. The contractor shall provide a monthly Technical Progress Report to the NRC Project Officer and the Contracting Officer by the 10<sup>th</sup> day of each month. The*

*frequency of this report and the due date may be changed at anytime during the contract period. Additional types of status reports may also be required and will be requested by the NRC on an as needed basis.*

*The monthly Technical Progress Report provided shall contain a summary of the work performed for each task during the reporting period, include the appropriate statistics and plans for the next reporting period and provide a discussion about the overall project plan, problems or issues, and any proposed corrective actions with an analysis of the impact on other tasks within the scope of this statement. The report shall also contain a status of the projected ceiling costs, hourly/rate expenditures by resource during the reporting period, cumulative expenditures to date, funds obligated to date, a balance of the funds required to complete the order and Earned Value management (EVM) measurements for contractor schedule and costs.*

*Using EVM on IT projects incorporates best practices to improve NRC project planning and execution as well as promote more effective oversight.*

*The Contractor shall report earned value consistent with the Section A-11, Part 7 of the ANSI Standard 748. Schedule variance data submitted shall provide visibility into root causes and establish corrective actions to achieve project completion within established task order schedule. All EVM data shall be provided in tabular and graphical formats to communicate cost variance and schedule status, as well as the technical completion status of the project relative to the Performance Measurement Baseline.*

*EVM data shall be collected using a Level 5 Work Breakdown Structure (WBS). The WBS shall include a definition of the work to be conducted decomposed into distinct discrete manageable tasks or groups of tasks (work packages) with decisive outputs and specific measurable entry and exit criteria. Each work package shall have a short duration, or can be divided into a series of milestones whose status can be objectively measured. Each work package shall be assigned a start and finish date, a budget value, and can be integrated with higher-level schedules.*

*The Contractor shall collect and report on each of the following measures:*

*Performance Measurement Baseline (PMB)*

*Budget Cost of Work Scheduled (BCWS)*

*Actual Cost of Work Performed (ACWP)*

*Budgeted Cost of Work Performed (BCWP)*

*Cost Variance (CV) - The numerical difference between the earned value (BCWP) and the actual cost (ACWP).  $CV = BCWP - ACWP$ .*

*Schedule Variance (SV) - An indicator of how much a program is ahead of or behind schedule.  $SV = BCWP - BCWS$ .*

*Cost Performance Index (CPI) - The cost efficiency factor representing the*

*relationship between the actual cost expended and the earned value.  $CPI = BCWP/ACWP$ .*

*Schedule Performance Index (SPI) - The planned schedule efficiency factor representing the relationship between the earned value and the initial planned schedule.  $SPI = BCWP/BCWS$ .*

*Budget at Completion (BAC) - The sum total of the time-phased budget.*

*Estimate to Complete (ETC) - A calculated value, in dollars or hours that represents the cost of work required to complete remaining project tasks.  $ETC = BAC - BCWP$ .*

*Estimate at Complete (EAC) - A calculated value, in dollars or hours that represents the projected total final costs of work when completed.  $EAC = ACWP + ETC$ .*



*The Contractor shall calculate Earned value credit as a binary value, with 0 percent being given before task completion and 100 percent given when completion of each work unit is validated. The Contractor shall establish specific measurable exit criteria for each task to simplify tracking of task completion, and thus credit the earned value of the task to the project so that the earned value of the project at any given point in time is obtained by a simple math rather than by subjective assessment.*

*Deliverables: Technical Progress Reports (Monthly)*

*Acceptance Criteria: The deliverables are received on time and in accordance with the standards described above. The deliverables are subject to review and acceptance by the NRC Contracting Officer.*

- 6.19.7 The contractor shall provide status reports and/or presentations to the Executive Steering Committee and Project Working Group as requested by the NRC Contracting Officer.*

*Deliverables: Steering Committee Reports (As Requested) Project Presentations (As Requested)*

*Acceptance Criteria: The deliverables are received on time and are relevant to the subject matter and audience. The deliverables are subject to review and acceptance by the NRC Project Officer.*

- 6.19.8 The contractor shall meet and coordinate with the Executive Steering Committee, Project Working Group, internal contractors, external vendors, Nuclear Energy Institute (NEI), Licensees, and other external agencies or government officials as requested to perform the tasks described in this statement.*

*Deliverables: Meetings (as needed)*

*Acceptance Criteria: Attendance by Program Manager and key staff for the meeting.*

- 6.19.9 The contractor shall prepare and deliver presentations related to ERDS modernization as needed to communicate to various ERDS stakeholders.*

*Deliverables: Technical Presentations (As needed)*

*Acceptance Criteria: The deliverables are received on time and are relevant to the subject matter and audience. The deliverables are subject to review and acceptance by the NRC Contracting Officer..."*

- (2) Under Subsection **A.2 CONSIDERATION AND OBLIGATION – DELIVERY ORDERS (JUN 1988)**, the first sentence of paragraphs “a. and b.” of SCHEDULE A is revised to read as follows:
- “a. The total estimated amount of this contract (ceiling) for the product/services ordered, delivered, and accepted under this contract for the base period is ~~\$4,245,530.80...~~”
- “b. The amount presently obligated with respect to this contract is **\$4,061,296.00...**”
3. The following TABLE is incorporated as an ADDENDUM to ATTACHMENT 1 – Labor Rate Schedule, of the task order. (~~SEE NEXT PAGE~~)

**"ADDENDUM TO ATTACHMENT 1 - LABOR RATE SCHEDULE (Price Detail)**

<b>OPTION YEAR 1 (exercised) PERIOD REMAINING</b> <i>(2/17/2009 - 9/30/2009)</i>	<b>Hourly Rate*</b>	<b>Total Est. Hrs.</b>	<b>Total Est. Cost</b>
<b>GSA Labor Category</b>			
Group Project Manager	[REDACTED]	[REDACTED]	\$107,420.86
Software Project Manager	[REDACTED]	[REDACTED]	\$115,339.36
Sr. IT Specialist	[REDACTED]	[REDACTED]	\$149,012.66
Sr. Engineer	[REDACTED]	[REDACTED]	\$106,268.52
Engineer	[REDACTED]	[REDACTED]	\$76,130.80
<b>Sub Total - Labor Year 1 (Remaining Period)</b>		[REDACTED]	<b>\$554,172.20</b>
Travel			\$28,910.16
G&A	[REDACTED]		\$3,975.15
<b>Sub Total - Travel and G&amp;A</b>			<b>\$32,885.30</b>
<b>TOTAL - YEAR 1 (Remaining Period)</b>			<b>\$587,057.50</b>

<b>OPTION YEAR 2</b> <i>(10/1/2009 - 9/30/2010)</i>	<b>Hourly Rate*</b>	<b>Total Est. Hrs.</b>	<b>Total Est. Cost</b>
<b>GSA Labor Category</b>			
Group Project Manager	[REDACTED]	[REDACTED]	\$83,978.16
Software Project Manager	[REDACTED]	[REDACTED]	\$47,865.52
Sr. IT Specialist	[REDACTED]	[REDACTED]	\$101,533.18
Sr. Engineer	[REDACTED]	[REDACTED]	\$107,011.20
Engineer	[REDACTED]	[REDACTED]	\$98,380.80
<b>Labor Subtotal Year 2</b>		[REDACTED]	<b>\$438,768.86</b>
<b>Sub Total - Labor</b>	<b>Total</b>	[REDACTED]	<b>\$992,941.06</b>
<b>TOTAL EST. VALUE OF NO COST EXTENSION</b>			<b>\$1,025,826.36</b>

\*The NRC will be billed these hourly or PPC's FSS GSA schedule labor hour rates per period, whichever is lower

The following is a summary of NRC obligations under this order through the date of this action:

FY2006	\$1,270,000.00
FY2007	\$ 971,435.00
FY2008	\$1,219,861.79
FY2009	\$ 600,000.00
<hr/>	
Cumulative Total of NRC Obligations	<b>\$4,061,296.79</b>

All other terms and conditions remain unchanged.

This modification obligates FY2009 funds in the amount of **\$300,000.00**.