

ORDER FOR SUPPLIES OR SERVICES

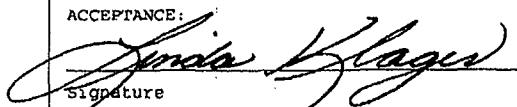
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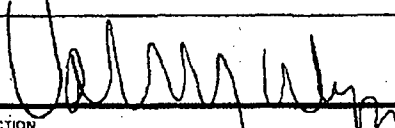
IMPORTANT: Mark all packages and papers with contract and/or order numbers.

BPA NO. BASIC

| | | | | | |
|---|--|---|--|---|----------------------|
| 1. DATE OF ORDER 9-25-2008 | | 2. CONTRACT NO. (if any) GS35F0229K | | 6. SHIP TO: | |
| 3. ORDER NO. DR-33-06-317-T054 | | 4. REQUISITION/REFERENCE NO. 33-06-317T033M004 | | a. NAME OF CONSIGNEE U.S. Nuclear Regulatory Commission | |
| 5. ISSUING OFFICE (Address correspondence to) U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Anthony Briggs (CMB3) Mail Stop: TWB-01-B10M Washington, DC 20555 | | | | b. STREET ADDRESS Attn: Bill Dabbs 11545 Rockville Pike Mail Stop: T2-C2M | |
| 7. TO: | | c. CITY Washington | | d. STATE DC | e. ZIP CODE 20555 |
| a. NAME OF CONTRACTOR MAR, INCORPORATED | | | | f. SHIP VIA | |
| b. COMPANY NAME | | | | 8. TYPE OF ORDER | |
| c. STREET ADDRESS 1803 RESEARCH BLVD STE 204 | | | | <input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY | |
| d. CITY ROCKVILLE | | | | REFERENCE YOUR Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated. | |
| e. STATE MD | | f. ZIP CODE 208506106 | | Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract. | |
| 9. ACCOUNTING AND APPROPRIATION DATA B&R: 85015300129 JC:D-1035 BOC:252A APP:31X0200 (Funds Source: N0200) FFS:5008RO61 OBLIGATE: \$50,403.00 | | | | 10. REQUISITIONING OFFICE CIO NMSS/HLWRS-EBB | |
| 11. BUSINESS CLASSIFICATION (Check appropriate box(es)) | | | | 12. F.O.B. POINT Destination | |
| <input checked="" type="checkbox"/> a. SMALL | | <input type="checkbox"/> b. OTHER THAN SMALL | | <input type="checkbox"/> g. SERVICE-DISABLED VETERAN-OWNED | |
| <input type="checkbox"/> d. WOMEN-OWNED | | <input type="checkbox"/> e. HUBZone | | <input type="checkbox"/> f. EMERGING SMALL BUSINESS | |
| 13. PLACE OF | | 14. GOVERNMENT B/L NO. | | 15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) | |
| a. INSPECTION | | b. ACCEPTANCE | | 16. DISCOUNT TERMS N/A | |

17. SCHEDULE (See reverse for Rejections)

| ITEM NO. (a) | SUPPLIES OR SERVICES (b) | QUANTITY ORDERED (c) | UNIT (d) | UNIT PRICE (e) | AMOUNT (f) | QUANTITY ACCEPTED (g) |
|--------------|---|----------------------|----------|----------------|------------|-----------------------|
| | TASK ORDER 54 UNDER NRC ORDER DR-33-06-317 (CISSS): The Contractor shall provide the U.S. Nuclear Regulatory Commission with, "Office of Nuclear Material Safety and Safeguards (NMSS) High Level Waste (HLWRS) Continuous Monitoring," services in accordance with the following: - The attached Statement of Work - The attached Schedule of Supplies and Services and Prices - The terms and conditions of GSA Contract GS-35F-0229K - The terms and conditions of NRC Order DR-33-06-317 Reference: MAR Quotation (Ref #2008-104/WA983) dtd 9/18/08 DUNS NO. 062021639 ACCEPTANCE:  Signature Date LINDA KLAGES, VICE PRESIDENT Print Name/Title | | | | | |

| | | | | | |
|---|--|---------------------------|--|---|--|
| 18. SHIPPING POINT | | 19. GROSS SHIPPING WEIGHT | | 20. INVOICE NO. | |
| 21. MAIL INVOICE TO: | | | | | |
| a. NAME Department of Interior / NBC NRCPayments@nbc.gov | | | | | |
| b. STREET ADDRESS (or P.O. Box) Attn: Fiscal Services Branch - D2770 7301 W. Mansfield Avenue | | | | | |
| c. CITY Denver | | d. STATE CO | | e. ZIP CODE 80235-2230 (Potential Amt. if all Options Exer.) | |
| 22. UNITED STATES OF AMERICA BY (Signature)  | | | | 23. NAME (Typed) Valerie Whipple Contracting Officer TITLE: CONTRACTING/ORDERING OFFICER | |

\$160,254.93 (Base Yel^(h) TOTAL (Cont. pages))

\$514,000.18 (17)(f) GRAND TOTAL

AUTHORIZED FOR LOCAL REPRODUCTION PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (REV. 4/2006) PRESCRIBED BY GSA/FAR 48 CFR 53.213(f)

DELIVERY ORDER NO. DR-33-06-317

TASK ORDER NO. 54

Office of Nuclear Material Safety and Safeguards (NMSS)

High Level Waste Repository Safety (HLWRS) Information Security Program (ISSP) Continuous Monitoring

1.0 OBJECTIVE

The Contractor shall support the Office of Nuclear Material Safety and Safeguards (NMSS), Division of High Level Waste Repository Safety (HLWRS) Information System Security Program (ISSP).

2.0 Background

For more information please review the following categorization documents:

- Center for Nuclear Waste Regulatory Analyses (CNWRA) – CNWRA is a general support system that has been categorized as a moderate system.

3.0 PERIOD OF PERFORMANCE

The period of performance for this task order will be for one base year with two 1 year options.

| | From | To | Condition |
|---------------|--------------------|--------------------|---|
| Base Year | September 26, 2008 | September 25, 2009 | N/A |
| Option Year 1 | September 26, 2009 | September 25, 2010 | Only if Option Year of base contract is exercised |
| Option Year 2 | September 26, 2010 | September 25, 2011 | Only if Option Year of base contract is exercised |

4.0 FUNDING

- (a) The total estimated amount (ceiling) for the products/services ordered, delivered, and accepted under this task order is **\$160,254.93 (including not to exceed travel amount of \$19,190.02)**.
- (b) The amount presently obligated with respect to this task order is **\$50,403.00**. The Contractor shall not be obligated to incur costs above this ceiling/obligated amount unless and until the Contracting Officer shall increase the amount obligated. When and if the amount(s) paid and payable to the Contractor hereunder shall equal the obligated amount, the Contractor shall not be obligated to continue performance of the work unless and until the Contracting Officer shall increase the amount obligated with respect to this contract. Any work undertaken by the Contractor in excess of the obligated amount specified above is done so at the Contractor's sole risk.

5.0 SCOPE OF WORK

The Contractor must ensure NMSS/HLWRS's ISSP meets all federally mandated and Nuclear Regulatory Commission (NRC) defined security requirements. The Contractor shall perform the following: Integrated

Security Activity Planning & Scheduling: Contingency Planning; Continuous Monitoring; and Other Technical Services.

The Contractor shall provide the necessary security support staff to develop the associated documentation to support the tasks specified in Statement of Work (SOW) ENCLOSURE 6 of Delivery Order DR-33-06-317 "Certification and Accreditation (C&A) PROCESS AND DELIVERABLES".

6.0 TASKS

The Contractor shall support the NMSS/HLWRS ISSP according to Consolidated Information Security Support Services (CISSS) SOW Enclosure 6 and Section B "Schedule of Supplies or Services and Prices".

Please note that any Contractor personnel working under this task order can not take on the role of certification agent for any NMSS/HLWRS system.

At no time is the Contractor allowed to configure an NMSS/HLWRS operational system.

Subtask 1: Integrated Security Activity Project Plan

The Contractor shall develop and implement a project plan to ensure the completion of the tasks identified in this SOW occurs as expected. The Contractor shall be required to develop and maintain an Integrated Security Activity Project Plan and perform Integrated Activity Scheduling. These deliverables shall be developed at the individual project level (i.e., each system for which a certification and accreditation effort will be undertaken) and aggregate to the program level. The Project Plan shall incorporate all tasks and projects such that the individual projects roll up into an Integrated Security project schedule encompassing all NRC security related activities, services, and deliverables. The Project Plan shall identify resources for each activity and include the Work Breakdown Structure levels. The Project Plan will include:

- **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.

- **Schedule and Budget**

The schedule and budget will identify what resources are needed, identify how much effort is required, and when each of the tasks specified in the WBS can be completed. The Contractor shall allocate a portion of the budget for each work package that comprises the WBS, and ensure that the WBS adequately defines all work necessary to meet the requirements for the project.

Subtask 2: Contingency Planning

The Contractor must ensure the each system's contingency planning process has been implemented according to federally mandated and Nuclear Regulatory Commission (NRC) defined security requirements. The Contractor will identify any deficiencies and will specify any operational risks that may affect the system's ability to perform its mission and protect its data (stored and transmitted). The Contractor shall perform the following:

| Tasks | Center for Nuclear Waste Regulatory Analyses (CNWRA) |
|---|--|
| Subtask 2 – Contingency Plan (CP) | Update system contingency plan. |
| Subtask 3 – Contingency Test and Report | <p>The Contractor shall work with the system owner to verify, validate, and document the results of the system's contingency test in the system's Contingency Test Report.</p> <p>Upon completion of the Contingency Test, the Contractor shall update the system's Contingency Plan to reflect validated information.</p> |

The Contractor shall ensure that the steps, templates, and reports outlining a system's Contingency Planning process in NRC's Project Management Methodology are utilized and followed.

The Contractor shall provide the necessary security support staff to develop the associated documentation to support the tasks specified in Statement of Work (SOW) ENCLOSURE 6 of Delivery Order **DR-33-06-317** "CERTIFICATION AND ACCREDITATION PROCESS AND DELIVERABLES" for unclassified systems.

2.1: System Contingency Planning

The Contractor shall support the NRC staff in the development and documentation of a Contingency Plan (CP) and test procedures. The System CP shall be documented in a report that follows the NRC Template for the System CP. The Plan shall be maintained in its hard copy form for contingency execution should the NRC Network Infrastructure be unavailable.

The CP shall be developed in accordance with federally mandated requirements, NRC defined security requirements, National Institute of Standards & Technology (NIST) Special Publication (SP) 800-34 "Contingency Planning Guide for Information Technology Systems", NIST SP 800-37 "Guide for the Security Certification & Accreditation of Federal Information Systems", and the NRC CP Template.

The Contractor shall provide detailed procedures for the Notification/Activation Phase, Recovery Operations, and Return to Normal Operations. The procedures shall contain sufficient detail that a technically trained individual not familiar with the system can successfully follow the procedures. The system CP shall contain

- Sufficient contact information (personnel and vendor)
- Equipment (hardware and software)
- Specification information to enable reconstitution of the system from scratch, all service level agreements, memoranda of understanding
- IT standard operating procedures for the system
- Identification of any systems that this system is dependent upon along with references for the applicable contingency plans

- References to the emergency management plan and occupant evacuation plan
- References to the appropriate continuity of operations plan.

The System CP shall be documented in a report that follows the NRC Template for System CP. The report shall be delivered in draft form and then in pre-Test form after NRC comments have been incorporated. The NRC CSO staff review of the draft is required to ensure compliance.

2.2: Contingency Test and Report

The Contractor shall provide expert advice and support during the Contingency Planning Test to ensure the test plan documentation is compliant with the System CP that has been approved by the NRC. Testing shall follow the test procedures developed and documented by the Contractor. The Contractor shall document the testing in a System Contingency Test Report (CP Test Report). The CP Test Report shall be developed in accordance with federally mandated requirements, NRC defined security requirements, NIST SP 800-34 "Contingency Planning Guide for Information Technology Systems", NIST SP 800-37 "Guide for the Security Certification and Accreditation of Federal Information Systems", and the NRC Contingency Test Report Template.

The CP Test shall be documented in a report that follows the NRC Template for NRC Contingency Test Report. The CP Test Report shall identify all testing assumptions, constraints, and dependencies as well as any anomalies, impromptu tests, and deviations encountered during testing. The CP Test Report shall include the actual testing schedule and detailed test results for each test procedure outlining specific errors encountered. The CP Test Report shall include a table of test findings incorporating any test issues and recommendations. The CP Test Report shall identify any problems encountered during testing and identify the resulting action items for the system. The CP Test Report shall be delivered in draft form and then in final form after NRC comments are incorporated. The NRC must approve the final CP Test Report.

The Contractor shall update the system's CP once the CP Test Report has been completed to reflect validated information. The NRC must approve the final version of the system's CP.

Subtask 3: Continuous Monitoring

This subtask contains the following elements:

3.1: Coordinate Continuous Monitoring Efforts

The Contractor shall assign a project manager to:

- Coordinate the efforts described in this task order.
- Serve as a point of contact.
- Manage the task's triple constraints, which are cost, time, and scope.
- Apply knowledge, skills, tools, and techniques to task order activities to meet or exceed NMSS/HLWRS expectations.
- Work with NMSS/HLWRS and the Center to ensure risks to their operational systems are minimized.
- Assist NMSS/HLWRS and the Center in establishing their continuous monitoring schedules so federally mandated and NRC defined security requirements are met.
- Report at the weekly meeting all circumstances that impact the ability of the contractor to meet the stated objectives of this task order to the NRC Project Officer and NMSS/HLWRS representative.

- Develop an agenda for the weekly status meeting and deliver that agenda to the NRC Project Officer and NMSS/HLWRS representative by close of business each Monday.

3.2: Conduct Vulnerability Assessments

The Contractor shall conduct quarterly vulnerability assessments on NMSS/HLWRS systems.

Vulnerability assessments shall establish if NMSS/HLWRS system security controls are operating as intended and ensure systems continually meet federally mandated and NRC defined security requirements. All risks / deficiencies shall be measured according to NIST SP 800-30 "Risk Management Guide for Information Technology Systems".

Tools

The contractor shall use a variety of testing tools (Nessus, Core Impact, DISA Gold, etc.), manual and automatic, including proprietary and modified open source, to conduct the assessment. All hardware and software used to support this task order must be approved by the NRC Project Officer.

Process

This Vulnerability Assessment shall contain the following phases:

- Phase 1: Preparation – The contractor shall ensure all testing devices that are going to be used during the assessment are loaded with the latest patches, security updates, device drivers, and plug-ins.
- Phase 2: Information Gathering – The contractor shall conduct scans, review documentation, and interview personnel to gather the needed information to perform a risk analysis of NMSS/HLWRS systems.
- Phase 3: Draft Assessment Reports - The contractor shall develop and identify the risks each system poses to itself, its data, and the NRC infrastructure.
- Phase 4: Validate Findings – The contractor shall work with the System Owner, ISSOs and Center's administrators to validate the findings, ensure risks have been properly assessed, and to develop mitigation strategies that will resolve the deficiencies.
- Phase 5: Finalize Assessment Reports – The contractor shall incorporate NRC's comments into the Assessment Reports and deliverable the final version of the Assessment Reports to the NRC Project Officer.
- Phase 6: Summary Assessment Report – The contractor shall develop and or update a Summary Assessment Report. The Summary Report shall document the overall risk the organization has incurred as well as any observed vulnerability trends.
- Phase 7: Plan of Action and Milestone (POA&M) Reports – The contractor shall incorporate any findings into each system's POA&M Report and validate the Center's activities associated with resolving the POA&M action.

The Assessment Reports, Summary Assessment Report, and Updated POA&M Reports shall be submitted to NRC Project Officer for review and comment. All reports must be approved by the NRC Project Officer, and NMSS/HLWRS representative. The Contractor shall revise and update each deliverable as appropriate and provide final versions to the NRC.

The contractor's Vulnerability Assessment Strategy shall include but will not be limited to the following:

- Identifying if the system is vulnerable to any published exploits
- Determining if the system has the latest patches installed
- Determining if the system is utilizing any unsupported hardware/software
- Analyzing if unnecessary ports or services are available
- Ensuring the system adheres to Federal regulations, guidelines, and standards
- Ensuring the system adheres to NRC hardening requirements
- Identifying if SANS top twenty or vendor identified vulnerabilities are present in the system
- Analyzing if the system's implementation adheres to the vendor's recommendations
- Ensuring the system's procedural controls are adequate
- Determining if the system's managerial controls are sufficient
- Analyzing weaknesses in the system's physical security
- Observing NRC employees, contractors, and vendors adherence to policy and procedures

Upon completion, the Contractor shall upload the test results and any resultant POA&M action items into the CSO FISMA tracking tool.

3.3: Annual Assessment

The Contractor shall conduct an annual assessment of NMSS/HLWRS information systems according to NIST SP 800-53A "Guide for Assessing the Security Controls in Federal Information Systems". The Contractor shall develop selection criteria to determine which security controls shall be tested. At a minimum, the selection criteria shall be based upon: the sensitivity level of the system; the requirement to annually test volatile controls; controls called out for annual testing in OMB guidance; CSO specified controls; and those associated with each system's POA&M items.

The Contractor shall perform a comprehensive assessment or limited surveillance, as necessary, of the selected management, operational, and technical security controls for NMSS/HLWRS systems. The assessment shall determine the extent to which each system's controls are implemented correctly, operating as intended, and producing the desired outcome with respect to meeting federally mandated and NRC defined security requirements for each system consistent with NIST SP 800-53A.

Upon completion of testing the Contractor shall develop Annual Security Control Test Report for each system and incorporate any findings into each system's POA&M Report.

The draft Annual Security Control Test Reports and the POA&M Reports shall be submitted to NMSS/HLWRS for review and comment. The Contractor shall revise and update each deliverable as appropriate and provide final versions to NMSS/HLWRS.

Upon completion, the Contractor shall upload the Annual Assessment test results and any resultant POA&M action items into the CSO control tracking tool.

The annual assessment shall be done once a year.

3.4: Update System Documentation

The Contractor shall update, as necessary, the documentation of NMSS/HLWRS systems. The draft documents shall be submitted to NMSS/HLWRS for review and comment. The Contractor shall revise and update each deliverable as appropriate and provide final versions to NMSS/HLWRS

This activity must be done in conjunction with the Annual Assessment. This update shall occur annually.

3.5: Reporting

Utilizing the NRC POA&M process, the Contractor shall update the POA&M Report of NMSS/HLWRS systems quarterly.

The Contractor shall collect information so the POA&Ms can be updated to reflect the current situation. Any new vulnerability that is discovered shall be added and assigned to the appropriate system. All POA&M Reports shall be submitted to NMSS/HLWRS for review and comment. The Contractor shall revise and update each deliverable as appropriate and provide final versions to NMSS/HLWRS.

Upon completion, the Contractor shall upload the POA&M Reports into the CSO control tracking tool.

Subtask 4: Other Technical Services.

This subtask contains the following elements:

4.1: Security Program Communications Support

The Contractor shall provide communications support when NMSS/HLWRS is communicating with upper management, CSO staff, Office of Inspector General, or other responsible parties. Also, the Contractor will assist the Center administrators with their system specific and role based training.

4.2: Supporting Documentation

The Contractor shall develop documentation that identifies how the system's security controls have been implemented. Documentation will include details about the system's technical, managerial, and procedural controls.

Also, the Contractor will assist Center administrators in updating their rules of behavior (includes signing). Rules may exist for each system.

The Contractor shall provide Security Engineering support to verify and validate system architectures and implementations are based on sound security engineering principles and practices. The Contractor shall ensure that all federally mandated and NRC defined security requirements are met.

7.0 PERIOD OF PERFORMANCE

This contract will have a base period of performance for one year with two 1 year options.

8.0 TRAVEL

The contractor shall assume four trips, 5 business days in duration for each trip, consisting of two security analysts, to the following location:

Southwest Research Institute
Division of Geosciences and Engineering