

ORDER FOR SUPPLIES OR SERVICES

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

BPA NO. BASIC

1. DATE OF ORDER SEP 19 2008		2. CONTRACT NO. (if any) GS35F0229K		6. SHIP TO:			
3. ORDER NO. DR-33-06-317-T053		MODIFICATION NO.		a. NAME OF CONSIGNEE U.S. Nuclear Regulatory Commission			
4. REQUISITION/REFERENCE NO. 33-06-317 T053 FFS #10870803C		b. STREET ADDRESS Attn: Bill Dabbs 11545 Rockville Pike Mail Stop: T2-C2				c. CITY Washington	
5. ISSUING OFFICE (Address correspondence to) U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Michele Sharpe Mail Stop: TWB-01-B10M Washington, DC 20555		7. TO:		d. STATE DC		e. ZIP CODE 20555	
a. NAME OF CONTRACTOR MAR, INCORPORATED		f. SHIP VIA				8. TYPE OF ORDER	
b. COMPANY NAME		<input type="checkbox"/> a. PURCHASE		<input checked="" type="checkbox"/> b. DELIVERY			
c. STREET ADDRESS 1803 RESEARCH BLVD STE 204		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.				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.	
d. CITY ROCKVILLE		e. STATE MD		f. ZIP CODE 208506106			
9. ACCOUNTING AND APPROPRIATION DATA B&R: 810-15-5F1-340 JC: J1271 BOC: 252A APPN NO.: 31X0200.810 OBLIGATE: \$40,000.00 DUNS# 062021639		\$40,000.00		10. REQUISITIONING OFFICE: CIO OIS/CSO			
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"/> c. DISADVANTAGED		<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) 9/17/08-9/16/09		16. DISCOUNT TERMS NET 30	
a. INSPECTION ROCKVILLE, MD		b. ACCEPTANCE ROCKVILLE, MD					

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)
	<p>TASK ORDER 53 UNDER NRC ORDER DR-33-06-317 (CISSS): The Contractor shall provide the U.S. Nuclear Regulatory Commission with, "GSS/High Systems C&A: LMSSC ST&E" services in accordance with the following:</p> <ul style="list-style-type: none"> - The attached Statement of Work - The attached Schedule of Supplies or Services and Prices - The terms and conditions of GSA Schedule GS-35F-0229K - The terms and conditions of NRC Order DR-33-06-317. <p>Reference MAR Quotation (Ref# 2008-102/WA971), dated 9/8/2008, entitled Task Order 053</p> <p>ACCEPTANCE:</p> <p style="font-size: 1.2em; margin-left: 20px;"><i>Linda Klages</i></p> <p style="margin-left: 20px;">Signature 9/25/2008 Date</p> <p>Linda Klages/VP Contracts Print Name/Title MAR Incorporated</p>					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME Department of Interior / NBC NRCPayments@nbc.gov				\$40,000.00 (OBLIGATED)		
	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		\$74,543.90 (CEILING)	17(i). GRAND TOTAL
22. UNITED STATES OF AMERICA BY (Signature) <i>Eleni Jernell</i>				23. NAME (Typed) Eleni Jernell Contracting Officer TITLE: CONTRACTING/ORDERING OFFICER			

DELIVERY ORDER NO. DR-33-06-317
TASK ORDER NO. DR-33-06-317-053
GSS/HIGH SYSTEMS C&A: LMSSC ST&E

1.0 OBJECTIVE

The contractor shall support the Computer Security Office (CSO) in the certification and accreditation of the following Office of the Chief Financial Officer (OCFO) Automated Information Systems (AIS)

- LMSSC – Lockheed Martin System Support Center – This is a contractor facility and the security categorization of the system was submitted with a sensitivity of: Confidentiality (H), Integrity (H), and Availability (H).

2.0 BACKGROUND

The following summarizes the systems that the contractor will be working with:

LMSSC

The LMSSC facility is located at 30 West Gude Drive, Rockville, Maryland. It provides workspace for approximately 90 employees who support the Nuclear Regulator Commission (NRC) with maintenance activities for 93 NRC systems under the NRC Maintenance & Operations (M&O) Support Contract and development activities [e.g. software development, system (integration) testing, and user acceptance testing (UAT)] for the Electronic Information Exchange (EIE) 2.4 adaptive maintenance project; Integrated Personnel Security System (IPSS); National Source Tracking System (NSTS); and Protected Web Server (PWS). The LMSSC facility houses infrastructure components (i.e. Local Area Network (LAN) / Wide Area Network (WAN) network equipment, NRC Workstations and printers provided by the NRC Desktops system, Rational Servers, File Server, Mail Server, and Tape Server) that support LMSSC staff as they conduct maintenance and development activities; and development hardware for EIE 2.4 adaptive maintenance project, IPSS, NSTS, and PWS. The LMSSC facility does not house any production applications.

3.0 SCOPE OF WORK

The contractor must ensure the system has been installed, configured, and maintained according to federally mandated and Nuclear Regulatory Commission (NRC) defined security requirements. The contractor will identify any operational risks found that may affect the system's ability to perform its mission and protect its data (stored and transmitted). The contractor shall perform the following:

<u>Tasks</u>	<u>LMSSC</u>
<u>Subtask 2 - E-Authentication Risk</u>	<u>N/A</u>
<u>Assessment</u>	

<u>Tasks</u>	<u>LMSSC</u>
<p><u>Subtask 3 - Security Categorization Package</u></p> <ul style="list-style-type: none"> • <u>Security Categorization Document</u> • <u>Security Categorization Memo</u> • <u>Privacy Impact Assessment</u> • <u>Records Management Form 637</u> 	<p>N/A</p>
<p><u>Subtask 4 - Security Risk Assessment (SRA)</u></p>	<p>N/A</p>
<p><u>Subtask 5 - System Security Plan (SSP)</u></p>	<p>N/A</p>
<p><u>Subtask 6 - Preliminary System Testing</u></p>	<p>N/A</p>
<p><u>Subtask 7 - Standard Test and Evaluation (ST&E) Plan</u></p>	<p><u>Shall develop ST&E Plan</u></p> <p><u>The contractor will only be taking on the role of certification agent for the system.</u></p>
<p><u>Subtask 8 - System Testing</u></p> <ul style="list-style-type: none"> • <u>ST&E Report</u> • <u>Vulnerability Assessment Report</u> • <u>Corrective Action Plan</u> 	<p><u>Shall perform system testing.</u></p> <p><u>The contractor will only be taking on the role of certification agent for the system.</u></p>

<u>Tasks</u>	<u>LMSSC</u>
<u>Subtask 9 - Authority To Operate (ATO) Package</u> <ul style="list-style-type: none"> • <u>Approval to Operate Memo</u> • <u>Package Includes Named Deliverables</u> 	N/A

*Contractor will only be taking on the role of certification agent for the system because C&A is of a contractor facility that contains an NRC workspace. "Certification Agent" is defined as an individual, group, or organization responsible for conducting a security certification, or comprehensive assessment of the management, operational, and technical security controls in an information system to determine the extent to which the controls are implemented correctly, operating as intended, and producing the desired outcome with respect to meeting the security requirements for the system. The certification agent also provides recommended corrective actions to reduce or eliminate vulnerabilities in the information system. Prior to initiating the security assessment activities that are a part of the certification process, the certification agent provides an independent assessment of the system security plan to ensure the plan provides a set of security controls for the information system that is adequate to meet all applicable security requirements."

The contractor shall ensure that the steps, templates, and reports outlining certification and accreditation 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 SOW ENCLOSURE 6 of Delivery Order DR-33-06-317 "C&A PROCESS AND DELIVERABLES" for unclassified systems.

4.0 SCHEDULE

The contractor shall provide security documentation and reports for each system consistent with the NRC-approved integrated project plan (Subtask 1).

5.0 TASKS

The contractor shall support the Certification and Accreditation of OCFO systems according to SOW Enclosure 6 and Section B "Schedule of Supplies or Services and Prices".

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: E-Authentication Risk Assessment

The contractor shall perform this task as identified in the table found in section 3 "Scope of Work".

Electronic authentication (e-authentication) is the process of establishing confidence in user identities electronically presented to an information system. The focus is on remote authentication of individual people over a network, for the purpose of electronic government or commerce. The OMB M-04-04 memorandum guidance applies to systems that have remote authentication of users of Federal agency information technology systems for the purposes of conducting Government business electronically (or e-government). The guidance does not apply to internal only systems or the authentication of servers, or other machines and network devices. NRC's policy is to only require separate E-authentication Risk Assessments on systems where it is required. E-Authentication Risk Assessments shall be consistent with OMB M04-04, NIST SP 800-30, NIST SP 800-60A, and NIST SP 800-63.

Subtask 3: Security Categorization Package

The contractor shall perform this task as identified in the table found in section 3 "Scope of Work".

Security categorization standards for information and information systems provide a common framework and understanding for expressing security that, for the federal government, promotes: (i) effective management and oversight of information security programs; (ii) consistent reporting to the Office of Management and Budget (OMB) and Congress on the adequacy and effectiveness of information security policies, procedures, and practices. NRC's Security Categorization Package contains the following deliverables: Security Categorization Memo, Security Categorization Document, Privacy Impact Assessment, and Records Management Form 637.

A Security Categorization Package shall be completed for each new major application/general support system, listed system, contractor system, and those owned by other Federal agencies.

Subtask 4: Security Risk Assessment

The contractor shall perform this task as identified in the table found in section 3 "Scope of Work".

This Assessment is an important activity in an agency's information security program that directly supports security accreditation and is required by the FISMA and OMB Circular A-130, Appendix III. This assessment influences the development of the security controls for an information system and generates much of the information needed for the system's security plan.

The assessment shall characterize the information processed by using FIPS 199, Standards for Security Categorization of Federal Information and Information Systems and NIST SP 800-60, Guide for Mapping Types of Information and Information Systems to Security Categories. The risk assessment shall follow NIST SP 800-37 Guide for the Security Certification and Accreditation of Federal Information Systems, and include the following:

- Identification of user types and associated roles and responsibilities;
- Identification of risk assessment team members and their associations;
- A description of the risk assessment approach and techniques, where the techniques include documentation review, interviews, observation, and system configuration assessments, security scans and penetration tests;
- A description of the risk scale used, including at a minimum, the potential impact as defined in FIPS 199, and likelihood as defined in NIST SP 800-30, Risk Management Guide for Information Technology Systems;
- A list of potential system vulnerabilities;
- A list of potential threat-sources applicable to the system, including natural, human, and environmental threat-sources;
- A table of vulnerability and threat-source pairs and observations about each;
- Detailed findings for each vulnerability and threat-source pair discussing the possible outcome if the pair is exploited; existing controls to mitigate the pair; the likelihood determination as high, moderate, or low; the impact determination expressed as high, moderate, or low; the overall risk rating based upon the risk scale; and the recommended controls to mitigate the risk; and,
- A summary that includes the number of high, moderate, and low findings and provides a list of prioritized action items based upon the findings.

The assessment shall be documented in a report that follows the NRC Template for the Risk Assessment Report. The report shall be delivered in draft form and then in final form after NRC comments are incorporated.

Any residual risk is tracked in the Plan of Action and Milestones (POA&M) Report. The POA&M Report documents the results of this process. POA&Ms include documenting the risk number, a description of each risk, the type of risk (i.e., impacting the confidentiality, integrity, or availability), the level of risk (i.e., low, moderate, or high), the associated controls, and the action(s) required or actually performed to eliminate or minimize each risk. The goal is to remediate all high and moderate security findings, and track the remaining security findings using the system's POA&M Report.

Subtask 5: Systems Security Plan

The contractor shall perform this task as identified in the table found in section 3 "Scope of Work".

The SSP shall be developed in accordance with NIST SP 800-53 Recommended Security Controls for Federal Information Systems, NIST SP 800-37 Guide for the Security Certification and Accreditation of Federal Information Systems, and the NRC IT Security Plan Template. The SSP identifies the necessary security controls that are required, citing the security controls that are in place, those that are planned, those that are not planned, and those that are not applicable.

Where a system relies upon a control that is provided by another system (e.g. the NRC LAN/WAN), the specific control being relied upon shall be noted along with the name of the system providing that control. The Contractor shall trace the security controls to specific documented guidance, NRC policy (e.g., Management Directives), infrastructure policy or procedures.

The SSP shall be documented in a report that follows the NRC Template. The report shall be delivered in draft form and then in pre-system ST&E form after NRC comments are incorporated. The SSP shall be updated after completion of the ST&E test report to reflect validated in-place and planned controls.

Subtask 6: Preliminary Testing

The contractor shall perform a preliminary assessment of the system to ensure the system is compliant with federally mandated and NRC defined security requirements. The contractor shall identify any operational risks found that may affect the system's ability to perform its mission and protect its data (stored and transmitted). The contractor shall obtain from the system owner a list of deviations that have been approved by the Designated Approving Authorities (DAAs), so these risks can be factored in during testing. Accepted risks are still reported, evaluated, and documented.

This subtask includes the automated and manual testing of the different system platforms to ensure they have been configured, operated, and maintained correctly. Also, the contractor must ensure the entire system is tested including those components not identified in this SOW. This testing specifically excludes any Development/Test Environment.

The following is a list of some of the standards that must be checked:

- National Institute of Standards and Technology (NIST) Federal Information Processing (FIPS) 140-2. When checking NIST FIPS 140-2, the contractor must ensure that all cryptography used in the system has been validated, has a current FIPS 140-2 certificate, and the configuration of that cryptography complies with the security policy specified by the certificate for the cryptographic module.
- NIST 800-53 Rev 2 or later standard. The contractor must ensure the system complies with the technical, managerial, and procedural controls found in this standard.
- NRC Hardening Standards. The contractor must ensure the system meets all the NRC hardening standards. For a complete list of Hardening standards please see "<http://www.internal.nrc.gov/ois/it-security/guidance.html>".

The CSO has purchased a Center for Internet Security License for the NRC giving the organization the ability to access CIS Benchmarks; to distribute CIS Benchmark documents and tools; and to use CIS Benchmarks for commercial purposes.

Note: When a federally mandated configuration or NRC hardening standard have not been specified, the contractor will test that component using the vendor's suggested best security practices.

The contractor shall document the results and observations of this process. This shall include documenting the risk number, a description of each risk, the type of risk (i.e., impacting the confidentiality, integrity, or availability), the level of risk (i.e., low, moderate, or high), the associated controls, and the action(s) required or actually performed to eliminate or minimize each risk. The goal is for the system owner to remediate all high/moderate security findings/risks and track those risks using a Plan of Action and Milestone (POA&M) Report.

The contractor shall be responsible for coordinating and executing all applicable site access and non-disclosure agreements and authority to scan forms with parties other than the Nuclear Regulatory Commission prior to commencement of the above mentioned activities, ensuring that project schedules are not impacted.

Subtask 7: ST&E Plan

The contractor shall perform this task as identified in the table found in section 3 "Scope of Work".

The ST&E plan exercises the system's security controls and security requirements and associated technical resolutions, risk mitigation, and implementations such that confirmation that the system and associated controls are operating as intended and in accordance with:

- NIST SP 800-53A Guide for accessing the Security Controls in Federal Information Systems
- NIST SP 800-53 Recommended Security Controls for Federal Information Systems
- NIST SP 800-37 Guide for the Security Certification and Accreditation of Federal Information Systems
- NRC System Security Test and Evaluation Plan Template

The ST&E plan provides detailed test procedures to ensure all federally mandated and NRC defined security requirements are fully tested. These procedures contain sufficient detail that a technically trained individual not familiar with the system can successfully follow the procedures.

The ST&E plan identifies all testing assumptions, constraints, and dependencies and includes a proposed schedule that identifies which personnel, hardware, software, and other requirements that must be met for each portion of the schedule to accomplish full system security testing of all system security functional and assurance requirements where the requirements are not stated as being fulfilled by another system. Also, the contractor shall ensure testing identifies any operational risks found that may affect the system's ability to perform its mission and protect its data (stored and transmitted). Additionally, the contractor must ensure the ST&E Plan includes the entire system.

The following test methods shall be used:

- **Analysis** - The "analysis" verification method shall be used to appraise a process, procedure, or document to ensure properly documented actions (e.g. risk assessments, audit logs, organization level policies, etc.) are in compliance with established requirements. An example of "analysis" as an evaluation technique would be to review documented physical security policies and procedures to ensure compliance with established requirements. This verification method is often called a documentation review.
- **Demonstration** - The contractor will observe random individuals to verify that activities on the system follow the documented procedure or process as the activity is performed. For example, observe visitors upon computer room entry in order to verify that all visitation procedures are followed.
- **Interview** - The contractor will interview personnel to verify the security policies and procedures are understood as implemented and prescribed by governing policies and regulations.
- **Inspection** - The contractor will ensure security controls have been properly implemented and maintained. For example, the contractor shall verify that the visitor's name, signature, organization, reason of visit, arrival and departure date, time, and the escort's name, initials, or signature are included on the log sheets.
- **Technical Test** - The Technical Test verification method shall be used to verify that each implemented control is functioning as intended. For example, the contractor will attempt to access the system by logging on to the system from an end user workstation (or other device) using an incorrect password to see if the system responds with an error message stating an incorrect password has been entered or denies access after exceeding the maximum threshold for logon attempts.

Testing requirements that are stated as being fulfilled by another system (provider) shall be accomplished by verifying that the provider system security plan in-place controls meet the requirement.

Subtask 8: System Testing

The contractor shall perform this task as identified in the table found in section 3 "Scope of Work".

The system shall be independently reviewed, verified, and validated using the system's security test plans and procedures to ensure the accuracy and adequacy of documented test procedures for all system security controls and security requirements and associated technical resolutions, risk mitigation, and implementations contained within various NRC security and systems development documentation or the Rational Suite Enterprise such that confirmation that the system and associated controls are operating as intended. Once testing has been completed, the ST&E Report, the Vulnerability Assessment Report, and the Corrective Action Plan shall be developed to document the results of the system's testing. Finally, the ST&E Plan is updated to reflect validated information.

Subtask 9: ATO Package

The contractor shall perform this task as identified in the table found in section 3 "Scope of Work".

The ATO package documents the results of the system certification and provides the authorizing official with the essential information needed to make a credible risk-based decision on whether to authorize operation of the information system.

The ATO Package contains the following deliverables plus a corresponding CD that contains all supporting documentation: Security Categorization Document, SRA, SSP, ST&E Plan, ST&E Report, Vulnerability Assessment Report, Corrective Action Plan, and an Approval to Operate Request Memo.

All documentation must be provided to the CSO in both hard copy and electronically in MS Word. The SSP must be current (within 2 months). The SRA, ST&E Plan, ST&E Report, and VAR must be current (within 2 months).

6.0 PERIOD OF PERFORMANCE

The period of performance of this task order will be September 17, 2008 through September 16, 2009.

7.0 TRAVEL

The following travel is required to support this effort:

- LMSSC – No travel is needed to support this effort.

8.0 MEETINGS

The contractor's technical representative shall attend monthly status meetings at NRC Headquarters to discuss work being done under this task order.