

SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS
OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24, & 30

1. REQUISITION NO. FSM-12-064			PAGE 1 OF 21	
2. CONTRACT NO. NRC-HQ-11-C-33-0060	3. AWARD/EFFECTIVE DATE	4. ORDER NO. NRC-HQ-12-T-41-0016	5. SOLICITATION NUMBER	6. SOLICITATION ISSUE DATE

7. FOR SOLICITATION INFORMATION CALL:	a. NAME	b. TELEPHONE NO. (No Collect Calls)	8. OFFER DUE DATE/LOCAL TIME
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9. ISSUED BY U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Dominique Malone Mail Stop: TWB/ 1 A31M Washington, DC 20555	CODE 3100	10. THIS ACQUISITION IS <input checked="" type="checkbox"/> UNRESTRICTED OR <input type="checkbox"/> SET ASIDE: _____ % FOR: <input type="checkbox"/> SMALL BUSINESS <input type="checkbox"/> WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOMEN-OWNED SMALL BUSINESS PROGRAM NAICS: 541519 <input type="checkbox"/> HUBZONE SMALL BUSINESS <input type="checkbox"/> ECONOMICALLY DISADVANTAGED WOMEN-OWNED SMALL BUSINESS (EDWOSB) SIZE STANDARD: <input type="checkbox"/> SERVICE-DISABLED VETERAN-OWNED SMALL BUSINESS <input type="checkbox"/> (8)(A)
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11. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED <input checked="" type="checkbox"/> SEE SCHEDULE	12. DISCOUNT TERMS	13a. THIS CONTRACT IS A RATED ORDER UNDER CPAS (15 CFR 700) <input type="checkbox"/>	13b. RATING N/A
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14. METHOD OF SOLICITATION <input type="checkbox"/> RFP <input type="checkbox"/> IFB <input checked="" type="checkbox"/> RFP	15. DELIVER TO U.S. Nuclear Regulatory Commission Washington DC 20555	16. ADMINISTERED BY U.S. Nuclear Regulatory Commission Div. of Contracts Mail Stop: TWB-01-B10M Washington, DC 20555	CODE 3100
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17a. CONTRACTOR/OFFEROR LOCKHEED MARTIN SERVICES, INC. 700 N FREDERICK AVE GAITHERSBURG MD 208793328 TELEPHONE NO.	CODE FACILITY CODE	18a. PAYMENT WILL BE MADE BY Department of Interior / NBC NRCPAYMENTS_NBCDENVER@nbc.gov Attn: Fiscal Services Branch - D2770 7301 W. Mansfield Avenue Denver CO 80235-2230 PHONE: FAX:	CODE 3100
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17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER

18b. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 16a UNLESS BLOCK BELOW IS CHECKED
 SEE ADDENDUM

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES See CONTINUATION Page	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
	Task Order 16, NRR FSME This is a labor-hour task order. Contractor Rep: Jeffery Funk Phone: 301-519-5808 Email: Jeffery.W.Funk@lmco.com COR: Menelik Yimam Total Obligated Amount: \$325,000 Total Contract Ceiling: \$378,254.39 Period of Performance: 03/16/2012 - 09/25/2012 (Use Reverse and/or Attach Additional Sheets as Necessary)				

25. ACCOUNTING AND APPROPRIATION DATA Obligate: \$325,000 FAIMIS: RQ121380, DUNS:145969783 Appr:31X0200.211 NAICS: 541519, JCN: F1222, B&R: 2012-55-34-4-156	26. TOTAL AWARD AMOUNT (For Govt. Use Only) Total Obligated Amount: \$325,000.00 Total Award Amount (Ceiling): \$378,254.39
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27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1, 52.212-4, FAR 52.212-3 AND 52.212-5 ARE ATTACHED. ADDENDA ARE ARE NOT ATTACHED.

27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4. FAR 52.212-5 IS ATTACHED. ADDENDA ARE ARE NOT ATTACHED.

28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN 1 COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED

29. AWARD OF CONTRACT: REF. _____ OFFER DATED _____ YOUR OFFER ON SOLICITATION (BLOCK 5), INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN IS ACCEPTED AS TO ITEMS:

30a. SIGNATURE OF OFFEROR/CONTRACTOR <i>Jeffery W. Funk</i>	31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER) <i>Dominique C. Malone</i>
30b. NAME AND TITLE OF SIGNER (TYPE OR PRINT) Jeffery W. Funk, Contract Mgr.	31b. NAME OF CONTRACTING OFFICER (TYPE OR PRINT) Dominique Malone Warrant Number 172
30c. DATE SIGNED 3/15/2012	31c. DATE SIGNED 3-15-2012

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION IS NOT USABLE

STANDARD FORM 1449 (REV. 5/2011)
Prescribed by GSA - FAR (48 CFR) 53.212

TEMPLATE - ADM001

SUNSI REVIEW COMPLETE

MAR 22 2012

ADM802

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PART I

SECTION B - SUPPLIES OR SERVICES AND PRICE/COSTS

B.1 Contract Type

The contract type for this task order is Labor-Hours.

B.2 Period of Performance

Base Period – March 16, 2012 – September 25, 2012

Option Period I – September 26, 2012 to September 25, 2013

Option Period II – September 26, 2013 to September 25, 2014

Option Period III – September 26, 2014 to September 25, 2015

Option Period IV – September 26, 2015 to September 25, 2016

B.3 Cost/Price

See section J-2.

B.4 Consideration and Obligation-Time and Materials Contract (August 2011)

(a) Currently, the ceiling price to the Government for full performance under this contract is \$378,254.39

(b) The contract includes: (1) direct labor hours at specified fixed hourly rates, inclusive of wages, fringe, overhead, general and administrative expenses, and profit; and (2) cost of materials totaling \$0.00.

(c) The amount presently obligated by the Government with respect to this contract is \$325,000.

(d) This is an incrementally-funded contract and FAR 52.232-22 - "Limitation of Funds" applies.

SECTION C - PERFORMANCE WORK STATEMENT

C.1 Background

This Performance Work Statement (PWS) provides for the general maintenance support necessary for the continued operation of systems supporting The Office of Federal and State Materials and Environmental Management Programs (FSME).

FSME develops, implements, and oversees the regulatory framework for industrial, commercial, and medical uses of radioactive materials, uranium recovery activities and the decommissioning of previously operating nuclear facilities and power plants. In addition, FSME conducts extensive environmental assessments in support of these regulatory functions. FSME's regulatory work protects public health and safety, provides for the common defense and security, and protects the environment. FSME implements these regulatory programs consistent with NRC's organizational values and in coordination with partners at other Federal agencies, the States, the Nuclear Regulatory Commission (NRC) Regions and Tribal Governments.

Most of the systems covered under this PWS support the mission of FSME's Materials Safety and State Agreements (MSSA) division. MSSA is responsible for the oversight and programmatic direction of materials uses associated with medical, academic, and industrial uses of byproduct materials, including direction to the NRC Regions regarding these activities. MSSA responsibilities include, but are not limited to, the following:

- (1) Provide regional coordination, allegation coordination, enforcement coordination, and event review and follow-up for the office
- (2) Identify and resolve generic problems and policy issues
- (3) Develop policy and procedures for assessing regional performance of materials licensing and inspection activities and coordinate office participation in the Integrated Materials Performance Evaluation Program
- (4) Provide technical support for training of regional and Agreement State materials licensing and inspection staffs
- (5) Review programmatic activities and participate in the development of technical and policy operations for regulations, regulatory guides, and policy statements
- (6) Develop and implement technical and policy guidance related to sealed sources and devices for Headquarters, Regions, and Agreement States
- (7) Conduct safety evaluation of sealed sources and devices
- (8) Conduct the exempt distribution licensing and the generally licensed device registration programs

As such, MSSA maintains all licensing database management systems associated with the above activities, including the Sealed Source and Device Registry (NSSDRS), the General License Tracking System (GLTS), the Reciprocity Tracking System (RTS), and the Licensing Tracking System (LTS).

In addition to the above mentioned systems, FSME has the responsibility of tracking of resources and contract financial data, including the Regulatory Information Tracking System (RITS) and Technical Assistance Program Support System (TAPNM).

This PWS also covers the system that supports the Office of Nuclear Material Safety and Safeguards (NMSS) Division of Spent Fuel Storage and Transportation (SFST). SFST uses the Transportation Approval Package Information System's (TAPIS) in support of its regulation of the storage of nuclear reactor spent fuel and the domestic and international transportation of radioactive materials. The TAPIS's main purpose is to support SFST's function by maintaining information about NRC certified packages and quality assurance programs used by companies involved in any facet of the transportation of nuclear material under 10CFR Part 71.

The database management systems mentioned above need periodic maintenance and operational support. In addition, changes to these systems are necessary to reflect minor changes in business requirements, such as additional management reports and updates to code tables.

The NRC has obtained unlimited rights through a license agreement with the State of Ohio's Department of Health the Radiation Materials (RADMAT) system, a Government-Off-the-Shelf (GOTS) materials licensing solution developed for the Ohio State Department of Health. This product has been adapted to meet FSME needs and is the current License Tracking System. Additionally, the LTS has been modified such that it can be readily configured for use by a licensing agency. It is likely that the LTS will be distributed for use by as many as 15 of the NRC Agreement State licensing agencies.

C.2 Scope of Work

Work will begin under this task order upon the Contractor receiving a change request from the Task Order Contracting Officer Representative through the NRC's IBM Rational Tools Suite.

This task order provides the necessary support for the General License Tracking System (GLTS), Licensing Tracking System (LTS/1266), Reciprocity Tracking System (RTS/3615), Regulatory Information Tracking System (RITS), Region I Inspection Planning System (IPS), National Sealed Source and Device Registry System (NSSDRS), Transportation Approval Package Information System (TAPIS), Work Item Tracking System (WITS), and Technical Assistance Program Support System (TAPNM).

Under this task order, the contractor must provide all hosting and operational support services for the LTS instance that is used by NRC staff and contractors (within the NRC wide area network). Upon completion of development of the new FSME Web-based License System (WBL) in August of 2012, the LTS will be entirely replaced by the WBL. The contractor under this task order shall assist in the process of merging LTS v2.x code with the WBL code and in the transition to the WBL. The WBL will be hosted under the separate Integrated Source Management Portfolio (ISMP) contract. The contractor shall also provide support for decommissioning of the LTS.

The contractor shall provide required support for the downloading of data for the NRC and its contractors and M&O support for the GLTS, LTS, RTS, IPS-RI, RITS, NSSDRS, TAPIS, WITS, and TAPNM to provide the following assurances:

- (1) Operational activities (e.g., year-end carryovers) are timely, properly implemented, and tested.
- (2) Identified program "bugs" are corrected and tested as directed by the NRC.
- (3) These systems continue to function properly in NRC's operating environment.
- (4) Perfective maintenance (e.g., generation of a new report) identified by users of the systems is properly implemented and tested.
- (5) Necessary documentation is updated and complete.
- (6) The LTS is hosted and available for use except during planned outages.
- (7) The LTS user community, including external users of the distribution version (LTS-DV) receives timely and responsive support.

Examples of requests that might be submitted under this task order are provided in the attachment to this document.

C.3 Specific Tasks

1. Maintenance

The contractor shall be responsible for making necessary changes to ensure that identified problems with an application system are corrected and the system is returned to production in the shortest amount of time possible.

B. System to Be Serviced

System Name	System Number	Owner/ Users	System Acronym	Software	Platform	Allotted Level of Effort
Licensing Tracking System	1266	FSME	LTS 2.x And LTS DV	ASP.NET	Web Microsoft	13,000 h/y
General License Tracking System	B0041	FSME	GLTS	Powerbuilder, Sybase, OCR for Forms (COTS)	Client Server	3,000 h/y
Reciprocity Tracking System	3615	FSME	RTS	Clipper, Blinker, dBasell+	PC/LAN	300 h/y
Regulatory Information Tracking System	1290	FSME	RITS	Cobol, DB2, ISPF, PL/1	Mainframe	300 h/y
Region I Inspection Planning System	9817		IPS-R1	Cobol, DB2, ISPF, QMF, Wylbur	Mainframe	125 h/y

National Sealed Source and Device Registry System	3516	FSME	NSSDRS	Powerbuilder, Sybase	Client Server	500 h/y
Transportation Approval Package Information System	1265	NMSS	TAPIS	DB2	Mainframe	300 h/y
Work Item Tracking System	3607	NMSS/F SME	NMSS/WI TS	Clipper	PC/LAN	200 h/y
Technical Assistance Program Support System	1233	FSME/N MSS	TAPNM	DB2	Mainframe	00 h/y

The above estimates may change and are provided as guidance for planning and scheduling purposes.

C. Definitions

Maintenance—application systems maintenance shall include, but not be limited to, modification of code, tables, and data; creation of reports and queries; performing analysis and troubleshooting; and establishing and executing backups, restores, archives, and other systems housekeeping duties.

D. Initiation of Work

For system maintenance/retirement, each work request may be submitted by an email or written correspondence from the NRC Task Order Contracting Officer Representative (COR) to the contractor responsible for the upkeep of the application. The contractor shall determine the magnitude of the work request and notify the NRC Task Order COR by email or other written correspondence within 1 week of the request. The correspondence required of the contractor depends on the magnitude of the work request.

E. Independent Action

Corrective maintenance work or data downloads requiring 16 hours or less to complete shall be accomplished by the contractor without prior NRC Task Order COR approval. For “fix-it-if-it-is-broken” work that is over 16 hours, the contractor shall provide an email or other written estimate to the NRC Task Order COR within 1 business day of receipt of the request. Upon NRC Task Order COR approval, the contractor is to immediately commence and complete requested work.

F. Work Actions Requiring Preapproval

For work consisting of modifications to code tables, data validation, troubleshooting (non-operations), backups, restores, archives, query value change, and the like, which require 32 hours or less to complete, the contractor shall provide an email or other written estimate and scope to the NRC Task Order COR within 1 business day of receipt

of the request. Work will begin upon receipt of the emailed authorization from the NRC Task Order COR.

For all other work requiring less than 40 hours to complete, the contractor shall provide, within 1 week of the request, the estimated number of hours to complete the work and the estimated start and completion date. The work may be performed without further approval from the NRC Task Order COR.

Work which will require over 40 hours to complete (code, document, and test) will require the contractor to email or provide written correspondence with an assessment of the effort required and the earliest start and completion dates. The estimate is due within 1 week of receipt of the request. The NRC Task Order COR shall review the contractor's assessment and make a decision as to whether the work should be authorized and email the authorization response to the contractor within 1 week of receipt. Authorized actions shall be performed by the contractor within 5 business days of authorization, unless a longer time is approved by the NRC Task Order COR.

2. Decommissioning and Migration

The contractor shall be responsible for performing the activities that are necessary for proper decommissioning and/or migration of the legacy LTS system (mainframe RAMIS II). This activity shall include, but is not limited to, the following:

- Developing procedures (archive and restore)
- Testing procedures
- Migration
 - participate in developing and/or executing
 - Migration Plan
 - notify users of migration
 - conduct parallel operations as needed
 - notify all concerned; archive all records
 - provide data extracts as needed
- System decommissioning
 - document plans for decommissioning
 - notify all users of plans and activities
 - conduct parallel operations
 - notify all concerned; archive records
 - keep data from decommissioned system per prevailing NRC guidance

The time allotted for the LTS level of effort in the maintenance section includes this activity.

The process for performing decommissioning/migration activity shall be the same as maintenance work (Section C.1.b-1.e).

3. Hosting Support

Pending migration of the LTS to the new WBL, the contractor shall provide temporary hosting, deployment testing, parallel testing, and user support for the LTS.

- i. Establish and Maintain Production Environment
 - o The contractor shall establish the initial production operating environment for LTS (Note that the prerequisite of the environment purchase and installation is approval by the NRC).
 - o The contractor will provide a detailed Integrated Project Schedule to the Task Order COR.
- ii. Obtain Production Environment Purchase Approval
 - o The contractor shall prepare and deliver, for NRC approval, procurement packages for all software and infrastructure products.
- iii. Purchase/Receive Equipment for Production Environment
 - o The contractor shall purchase/receive the products identified in the contract proposal that are required to establish and maintain the production environment.
- iv. Install and Maintain Production Environment
 - o Following NRC approval the contractor shall install and set up and maintain the NRC-approved production environment at the contractor's site. As part of the setup activity, the contractor shall perform any NRC-specific software configuration needed, as well as establishing and maintaining connectivity and preparing the servers (e.g., hardening) to meet the hosting requirements. The contractor may use existing NRC equipment upon approval by NRC.
 - o In addition to hardening the production environment, the contractor shall demonstrate through scan reports and other documentation that they have independently verified hardening prior to requesting NRC verification. The contractor shall repeat this independent verification after performing any corrective actions and prior to deploying any environment changes.
 - o The contractor shall also work with the NRC's CTF to verify the hardening of the servers meets NRC requirements. Issues discovered during this process must be resolved to the satisfaction of the NRC's CSO office. This will be done by performing independent scans by the CTF which will be reviewed and delivered to the CSO for approval.
 - o Upon successful completion of the CSO review, the equipment will be installed at the contractor's facility on Gude Drive, and connected to a subnet on the POE which will restrict access to the server components.
- v. Use Support
 - o Deployment Support

- Deploy the LTS system to the NRC Headquarters and all Regions
 - Migrate the current LTS database structure to the LTS system
 - Deploy a current version of the LTS database to the users
 - Update system with changes approved during the parallel tests
- Parallel Testing Support
 - Support daily status meetings with LTS users
 - Respond to user questions or comments on their experiences during the parallel testing
 - Develop and test scripts to support synchronizing LTS with LTS
 - Run approved synchronization scripts daily to keep the systems in synch
 - React to user request to update LTS system to correct issues found during the parallel testing
 - Provide estimates for issues found during the parallel testing
 - Deploy fixes approved by the NRC task manager to meet user needs.
 - User Support
 - Monitor the LTS email box or SharePoint site for issues discovered
 - Research and provide clarification or changes to the LTS system during testing
 - Conduct Webinars as requested to support interactive dialogue with the users
 - Deploy updates to the testing infrastructure as approved by the NRC task manager
 - Capture new user requirements and provide estimates for items to be considered for subsequent software releases.

4. Freedom of Information Act (FOIA) Processing

The estimated level of effort for FOIA processing is 50 hours per year.

The contractor shall provide time estimates within 1 day and extract reports and forward extracted data ("read-me" file, "data," "unzip" file, and "code value" files, if appropriate) to the FOIA Section via email within 2 days of the request.

If the request is for materials information and the LTS database, a copy of the LTS.CODES (standard file created by a contractor and provided once to FOIA Section) shall be copied to the same storage media.

The contractor shall perform work needed to extract data that satisfies the FOIA requests using the appropriate databases. The contractor shall perform data extraction from the source database and deliver resultant data in the format requested via email. This may include a special preparation for comma-delimited, database, or spreadsheet format. (NOTE: In the absence of any specific formatting request, the data shall be extracted in fixed-length record format.)

The contractor shall be required to download the data to its PC, which may require that procedures be developed for running programs against the requested system.

The contractor shall verify the transferred data against the source data for correctness of content and on the contractor's PC for physical integrity.

If requested, the contractor shall reformat the data into alternative output modes. This may require the creation of a comma-delimited format, creating an MS Access file or a similar PC database format, or a format compatible with other desktop software such as Microsoft Word or Excel.

If the data file is too large to fit onto a single compact disk, the contractor shall compress the file using prevailing NRC-supported utility to produce a self-extracting archive. This is primarily for the convenience of the requestor; however, it is also useful for expedited delivery to the FOIA Section.

The contractor shall verify the compressed file within the utility by expanding it and validating the content for readability before delivery to the NRC.

The contractor shall deliver a help file providing information on use of the file(s) being placed on the diskette to the FOIA Section. This, as well, shall include a detailed description of the extracted data field layouts, as well as an explanation of how to expand the compressed data file.

The contractor shall transport the final data file, help file, and codes file to the FOIA Section via email for inclusion on the requestor's response diskette.

5. Standard Work Approach

The contractor shall establish a configuration management plan in accordance with Sections A and C of this delivery order.

The contractor and the NRC Task Order COR shall attend, as required, occasional meetings (average of 2 per month—the number of meetings may be higher than average when work is being performed or is more complex) to discuss the work and schedule.

The application's change log, as necessary, shall reflect the modifications made for each work request. All required documentation outlined in the NRC PMM and CMP shall be updated to reflect the modifications.

When performing work on the GLTS, the NSSDRS, or any other system developed in the PowerBuilder environment, the contractor shall comply with the attached FSME/NMSS PowerBuilder programming standards, entitled, "Powerbuilder Software Development Standards." In cases of emergency maintenance or when the contractor believes compliance with these standards would be impractical, the contractor may request, by email, a task-specific waiver from the NRC Task Order COR.

During the performance period of this contract, the contractor shall maintain the build log for each system in a public/shared disk location accessible to the NRC Task Order COR. This log shall be stored in a format accessible using products in the NRC standard desktop configuration (e.g., Corel Office or MS Office). The log shall contain the following information:

- system

- build number (nn.nn.nn)
- date build was created
- description of work related to build (e.g., Change Proposal titles and/or brief descriptions from Problem Reports)
- Reason for build (e.g., internal contractor testing, pre-delivery regression testing, independent verification and validation (IV&V) review, Change Management (CM) check-in)

Where possible, this build number shall be included in the system interface (e.g., splash screens and Help->About). The contractor shall include the build number in all correspondence and forms related to delivery and deployment of each build. The contractor shall assign a new build number every time the system is delivered to the NRC, including deliveries for pre-acceptance testing, requirements clarification, demonstrations, or IV&V reviews. The contractor shall also assign a new build number to the version tested while generating the acceptance test log for delivery to the NRC before CM check-in. The contractor may assign a new build number every time the system is recompiled or a build is generated, even for internal testing. For a given work effort (group of Problem Reports and Change Proposals), the contractor shall assign build numbers associated with the prior (current production) version until the final build is delivered for CM check-in. For example, if the current production version is build 02.02.14, the contractor shall use the numbers 02.02.15-02.02.99, (incremented by 1), before preparing the final build for CM check-in. Using this example, the final build would be 02.03.00 or 03.00.00, if the NRC deemed it a significant upgrade.

Before beginning work on a given build, the contractor shall review the RequisitePro and/or ClearQuest data and ensure that all Problem Reports and Change Proposals related to the build are in the appropriate Rational data store and that they have been updated to associate them with the target build. The target build shall be the version number agreed to by the NRC Task Order COR and will always have 00 in the third part.

When performing work on any PC or LAN-based system (including client server) covered under this task order, the contractor shall use the Rational Robot and TestManager tools for functional testing. The contractor shall follow the "FSME/NMSS Automated Functional Testing Standards," consulting the NRC Task Order COR as needed for guidance on test coverage.

For each maintenance build on systems covered by automated testing, the contractor shall develop one or more Robot scripts to demonstrate that the issues (Problem Reports and Change Proposals) related to the given build were successfully addressed. Before recording these scripts, the contractor shall refresh the database using the most current database image from the September 1, 2010, production database dump, then replaying the prevailing suite of regression test scripts. The contractor shall not modify any of the NRC regression test scripts or other scripts once delivered to the NRC without explicit NRC direction to do so.

Note: Currently, only the GLTS is covered by automated testing.

C.4 Schedule of Deliverables

a) System Maintenance

Deliverable	Responsibility	Delivery Schedule
Email the NRC Task Order COR with details of work request.	FSME/NMSS staff or authorized alternate	As necessary
Email (or other written correspondence) to the contractor for an assessment of the work request.	NRC Task Order COR	Within 2 days of receipt of work request, contractor ticket, or email for the NRC Task Order COR for fix or other work.
Email (or other written correspondence) to the NRC Task Order COR with an assessment of effort required and the earliest start and completion dates.	Contractor	Within 1 week after receipt of work request requiring less than 40 hours, but greater than 16. Not required for work requests less than 16 hours.
Review contractor assessment and email authorization response to the contractor.	NRC Task Order COR and FSME/NMSS Lead User or authorized alternate	Within 1 week after receipt of contractor's assessment of effort
Completion of the authorized work (including prototyping, testing, deployment, installation, and training).	Contractor	Within a period of time specified either by the contractor in the estimate response or as negotiated with the NRC Task Order COR
Update the contractor Biweekly Status Report for Requested Perfective Maintenance	Contractor	Biweekly, as required.
Build log, assigning build identification numbers to all FSME/NMSS systems covered by this task order.	Contractor	No later than 14 days after award of this modification
Test log report from Rational TestManager showing successful completion of regression testing on product (e.g., build being delivered). Note: Only applies to systems for which the NRC has provided a suite of regression test scripts.	Contractor	Before submission for NRC acceptance testing and configuration management check-in
Draft Rational Robot script(s) demonstrating successful completion of work on all Change Proposals or Problem Reports covered by a given system build	Contractor	At least 10 days before delivery of build for NRC acceptance testing
Comments and/or acceptance notification regarding review of draft Rational Robot script(s) demonstrating successful completion of work on all Change Proposals or Problem	NRC	No more than 7 days after receipt of the draft scripts

Reports covered by a given system build		
Final Rational Robot script(s) demonstrating successful completion of work on all Change Proposals or Problem Reports covered by a given system build	Contractor	At time of submission of build for NRC acceptance testing and configuration management check-in
Test log report from Rational TestManager showing successful completion of the Robot script(s) demonstrating successful completion of work on all Change Proposals or Problem Reports covered by a given system build	Contractor	Before submission for NRC acceptance testing and configuration management check-in
System build and all related artifacts for IV&V review to ensure compliance with prevailing programming standards and work specifications	Contractor	As requested by the NRC Task Order COR or specified in project schedules
Integrated Project Schedule	Contractor	Within 10 days of a release approval.

Additional deliverables in support of LTS and FAMIS

Deliverable	Description	Delivery Schedule
LTS	Develop FAIMIS interface (database script that generates an interface file as needed)	ongoing support
GLTS	Create a new interface from GLTS to FAIMIS.	ongoing support
LTS Version 2.4:	Focus on licensing interface	03/30/2012

b) FOIA Processing

Once the request is received from FSME, the contractor shall respond to the FOIA request within 2 business days. If any problem occurs which interferes with this basic requirement, the NRC Task Order COR should be immediately notified.

The FOIA requestor will be notified by the FOIA Section if any FOIA request requires in excess of 1 hour for data extraction. Under this task order, no work will be done if the estimation exceeds 1 hour without prior FOIA Section authorization.

C.5 Place of Performance

Performance of this task order shall be accomplished primarily at the contractor's facilities. Access to the NRC Headquarters at 11555 Rockville Pike, Rockville, MD 20852 shall be

provided as required for the contractor's personnel during normal working hours for the duration of this task order.

C.6 Expertise/Skills

The contractor shall provide personnel that possess the following:

- Working experience with and knowledge of the applications listed under this task order
- Experience and knowledge in working with the NIH mainframe, ISPF, TSO, CLIST, IBM9370, XEDIT, CMS, COBOL, CLIPPER 5x (and associated libraries), PowerBuilder, Sybase System, OCR for Forms, and RAMIS II
- Working experience with and knowledge of a client server development tool(s)
- Working experience and knowledge of HTML, Web graphics preparation, and other Web development tools approved for use at the NRC
- Knowledge of the Rational Suite Enterprise package, specifically the Rational Functional Tester and Quality Manager testing tools, ClearQuest defect/change management tool, Requirements Composer requirements management tool, and Jazz suite. Knowledge of older IBM Rational tools is also needed during the near term NRC migration from Robot, Test Manager, and Requisite Pro.
 - Rational Functional Tester, Quality Manger, Robot and Test Manager: Staff supporting testing of maintenance work on PC, LAN, of client server systems shall be able to run existing Robot scripts and interpret the test logs. At least one member of the contractor's staff shall also be capable of recording, debugging, and editing Robot scripts.
 - ClearQuest: Staff supporting maintenance of any FSME system covered under this task order shall be capable of using ClearQuest to retrieve information regarding logged defects. Staff supporting logging of defects or changes (as directed by the NRC) shall be capable of entering defect reports into ClearQuest.
 - Requirements Composer and RequisitePro: Staff supporting maintenance of any FSME system covered under this task order shall be capable of using RequisitePro to retrieve information regarding logged requirements.
 - Jazz: Staff supporting maintenance of any FSME system covered under this task order shall be proficient in the use of the IBM Rational Jazz platform.

C.7 Project Management Methodology

The contractor shall comply with Management Directive (MD) 2.8, Project Management Methodology, in performing the requirements of this task order. See http://www.internal.nrc.gov/ADM/DAS/cag/Management_Directives/md2.8.pdf.

C.8 Documentation

The contractor shall provide system documentation in accordance with NRC Management Directive (MD) 2.8, Project Management Methodology. The Task Order COR will provide the contractor with guidance on the required content of the documentation. Documents shall be updated according to the configuration management methodology approved by the Task Order COR. The contractor shall store all documentation in the IBM Rational tools within the time frame specified by the Task Order COR. All documents developed shall become the property of NRC.

C.9 Expertise/Skills/Training

The contractor shall ensure that its personnel that work on this task order are appropriately qualified in the technologies and commercial products identified in the NRC's Technical Reference Model (TRM) which is accessible at <http://portal.nrc.gov/edo/ois/bpiad/EASB/TRM/default.aspx>. Training that is needed by the contractor's personnel on the technologies and commercial products identified in the NRC's Technical Reference Model (TRM) shall be at the expense of the contractor.

C.10 Productive Labor Hours

ADDENDUM TO PARAGRAPH (i) OF CLAUSE 52.212-4 ALTERNATE I

The contractor may submit invoices to the Government only for "productive labor hours." "Productive labor hours" are defined as those hours expended by the contractor in performing requirements under a task order and are directly related to an NRC-issued change request that is issued to the contractor through NRC's IBM Rational tools suite. Requests for operational support from NRC task orders under this contract will be issued to the contractor via change requests in NRC's IBM Rational tools suite and will include a ceiling number of contractor productive labor hours within a given period (e.g., 10 productive labor hours between 8:00 a.m. and 7:00 p.m.) If the contractor finds the number of productive labor hours in the change request to be unrealistically low, then the contractor shall inform the Task Order COR within a reasonable time after receiving the change request and should provide a written ceiling estimate for the Task Order COR to consider. If the Task Order COR agrees with the contractor's written ceiling estimate, then the Task Order COR would make the change in IBM Rational tools suite or request that a person with access to the system make that change. The Government may not reimburse the contractor for any invoiced productive labor hours that are not directly related to a NRC issued change request and/or exceed the number of hours included in the applicable change request.

C.11 Project Management Methodology

The contractor shall comply with Management Directive (MD) 2.8, Project Management Methodology, in performing the requirements of this task order. See http://www.internal.nrc.gov/ADM/DAS/cag/Management_Directives/md2.8.pdf.

C.12 Documentation

The contractor shall provide system documentation in accordance with NRC Management Directive (MD) 2.8, Project Management Methodology. The Task Order COR will provide the contractor with guidance on the required content of the documentation. Documents shall be updated according to the configuration management methodology approved by the Task Order COR. The contractor shall store all documentation in the IBM Rational tools within the time

frame specified by the Task Order COR. All documents developed shall become the property of NRC.

C.13 Expertise/Skills/Training

The contractor shall ensure that its personnel that work on this task order are appropriately qualified in the technologies and commercial products identified in the NRC's Technical Reference Model (TRM) which is accessible at <http://portal.nrc.gov/edo/ois/bpiad/EASB/TRM/default.aspx>." Training that is needed by the contractor's personnel on the technologies and commercial products identified in the NRC's Technical Reference Model (TRM) shall be at the expense of the contractor.

C.14 Productive Labor Hours

ADDENDUM TO PARAGRAPH (i) OF CLAUSE 52.212-4 ALTERNATE I

The contractor may submit invoices to the Government only for "productive labor hours." "Productive labor hours" are defined as those hours expended by the contractor in performing requirements under a task order and are directly related to an NRC-issued change request that is issued to the contractor through NRC's IBM Rational tools suite. Requests for operational support from NRC task orders under this contract will be issued to the contractor via change requests in NRC's IBM Rational tools suite and will include a ceiling number of contractor productive labor hours within a given period (e.g., 10 productive labor hours between 8:00 a.m. and 7:00 p.m.) If the contractor finds the number of productive labor hours in the change request to be unrealistically low, then the contractor shall inform the Task Order COR within a reasonable time after receiving the change request and should provide a written ceiling estimate for the Task Order COR to consider. If the Task Order COR agrees with the contractor's written ceiling estimate, then the Task Order COR would make the change in IBM Rational tools suite or request that a person with access to the system make that change. The Government may not reimburse the contractor for any invoiced productive labor hours that are not directly related to a NRC issued change request and/or exceed the number of hours included in the applicable change request.

SECTION D – PACKAGING AND MARKING

SECTION E - INSPECTION AND ACCEPTANCE

See base contract

SECTION F - DELIVERIES OR PERFORMANCE

See base contract

SECTION G - CONTRACT ADMINISTRATION DATA

G.1 Task Order Contracting Officer's Representative

(a) The Task Order COR for this task order contract is:

Menelik Yimam

Office: Office of Federal and State Materials and Environmental Management Programs (FSME)

Mailstop: TWFN/ 8 A23

Washington, DC 20555-0001

Phone: 301-415-0200

Email: Menelik.Yimam@nrc.gov

(b) Performance of the work under this task order contract is subject to the technical direction of the NRC Task Order COR. The term "technical direction" is defined to include the following:

- i. Technical direction to the contractor which shifts work emphasis between areas of work or tasks, authorizes travel which was unanticipated in the Schedule (i.e., travel not contemplated in the Performance Work Statement (PWS) or changes to specific travel identified in the PWS), fills in details, or otherwise serves to accomplish the contractual PWS.
- ii. Provide advice and guidance to the contractor in the preparation of drawings, specifications, or technical portions of the work description.
- iii. Review and, where required by the task order contract, approval of technical reports, drawings, specifications, and technical information to be delivered by the contractor to the Government under the contract.

(c) Technical direction must be within the general statement of work stated in the task order contract. The Task Order COR does not have the authority to and may not issue any technical direction which:

- i. Constitutes an assignment of work outside the general scope of the contract.
- ii. Constitutes a change as defined in the "Changes" clause of this contract.
- iii. In any way causes an increase or decrease in the total estimated contract cost, the fixed fee, if any, or the time required for contract performance.
- iv. Changes any of the expressed terms, conditions, or specifications of the contract.
- v. Terminates the contract, settles any claim or dispute arising under the contract, or issues any unilateral directive whatever.

(d) Technical directions must be issued in writing by the Task Order COR or must be confirmed by the Task Order COR in writing within ten (10) working days after verbal issuance. A copy of the written direction must be furnished to the Contracting Officer. A copy of NRC Form 445, Request for Approval of Official Foreign Travel, which has received final approval from the NRC must be furnished to the Contracting Officer.

- (e) The contractor shall proceed promptly with the performance of technical directions duly issued by the Task Order COR in the manner prescribed by this clause and within the Task Order COR's authority under the provisions of this clause.
- (f) If, in the opinion of the contractor, any instruction or direction issued by the Task Order COR is within one of the categories as defined in paragraph (c) of this section, the contractor may not proceed but shall notify the Contracting Officer in writing within five (5) working days after the receipt of any instruction or direction and shall request the Contracting Officer to modify the contract accordingly. Upon receiving the notification from the contractor, the Contracting Officer shall issue an appropriate contract modification or advise the contractor in writing that, in the Contracting Officer's opinion, the technical direction is within the scope of this article and does not constitute a change under the "Changes" clause.
- (g) Any unauthorized commitment or direction issued by the Task Order COR may result in an unnecessary delay in the contractor's performance and may even result in the contractor expending funds for unallowable costs under the contract.
- (h) A failure of the parties to agree upon the nature of the instruction or direction or upon the contract action to be taken with respect thereto is subject to 52.233-1, Disputes.
- (i) In addition to providing technical direction as defined in paragraph (b) of the section, the Task Order COR shall:
 - a. Monitor the contractor's technical progress, including surveillance and assessment of performance, and recommend to the Contracting Officer changes in requirements.
 - b. Assist the contractor in the resolution of technical problems encountered during performance.
 - c. Review all costs requested for reimbursement by the contractor and submit to the Contracting Officer recommendations for approval, disapproval, or suspension of payment for supplies and services required under this contract.
 - d. Assist the contractor in obtaining the badges for the contractor personnel.
 - e. Immediately notify the Security Branch, Division of Facilities and Security (SB/DFS) (via e-mail) when a contractor employee no longer requires access authorization and return of any NRC issued badge to SB/DFS within three days after their termination.
 - f. Ensure that all contractor employees that require access to classified Restricted Data or National Security Information or matter, access to sensitive unclassified information (Safeguards, Official Use Only, and Proprietary information) access to sensitive IT systems or data, unescorted access to NRC controlled buildings/space, or unescorted access to protected and vital areas of nuclear power plants receive approval of SB/DFS prior to access in accordance with Management Directive and Handbook 12.3.
 - g. For contracts for the design, development, maintenance or operation of Privacy Act Systems of Records, obtain from the contractor as part of closeout procedures,

written certification that the contractor has returned to NRC, transferred to the successor contractor, or destroyed at the end of the contract in accordance with instructions provided by the NRC Systems Manager for Privacy Act Systems of Records, all records (electronic or paper) which were created, compiled, obtained or maintained under the contract.

SECTION H - SPECIAL CONTRACT REQUIREMENTS

H.1 2052.215-70 KEY PERSONNEL (JAN 1993)

See base contract.

PART II

SECTION I CONTRACT CLAUSES

See base contract for clauses that apply to this task order.

SECTION J TASK ORDER ATTACHMENTS

- 1) Data Needed for FSME-01 for Systems Maintenance
- 2) Cost/Price Schedule
- 3) Performance Standards and Metrics

ATTACHMENT J-1

Data Needed for FSME-01 for Systems MaintenanceEmergency Help

For example, a request for a new docket did not work. The docket provided had already been used 3 months ago. This had to be investigated immediately to make sure the database was not corrupt.

Ad Hoc Reports

Occasionally new reports are needed because of changes in budget policy, fees requirements, or the like. If these reports require arithmetic calculations, help will be needed from the contractor.

Modify/Add/Delete Fields

The LTS analyst has the ability to add new reviewer codes. If a number is entered in error, the contractor must delete.

Modify Lookup Tables

New isotope—Samarium-154
New program code—future rule changes may require

QA of Existing Fields*Uploads/Downloads*

When a State becomes an Agreement State, a mass change of status is required. Incorrect data may occur (e.g., GLTS did not consider Massachusetts an Agreement State)

System Repairs*Add/Modify Standard Reports*

It may be necessary to add or modify standard reports for the following reasons:

- management changes regarding statistical information
- modification for rule changes
- administrative changes (e.g., fees)
- Need for incremental committing of funding

RTS

Listed below are two examples of perfective maintenance:

- (1) Add fields for license expiration date, docket number, and inspection report number
- (2) Add ability to search by reference number for multiple locations

Clarifications:

Guidance: The regulations provide for revisions of NRC Form 241 for additional work locations or clients or for changes to the radioactive material or work activities that differ from the information submitted on the initial Form 241. Revisions to Form 241 require a fee payment. However, providing the Regional office information that clarifies or deletes specific locations or work sites, work site contacts, or dates of work are categorized as clarifications and do not require a fee.

Problem: Licensees provide their whole client list with the initial Form 241 submission and then send in clarifications to avoid the revision fees. This has resulted in a significant increase in the number of clarifications processes; however, the RTS does not track clarifications, so only an estimated number exists.

Solution: Revise the RTS to add the ability to count the number of clarifications performed.

Revisions:

Guidance Revisions to Form 241 require a fee payment.

Problem: Licensees send in a revision request with the fee payment. The revision request may require that several items be revised in the RTS. The RTS is designed to count each change as a revision, resulting in the RTS counting several revisions for each fee payment. Therefore, License Fee and Accounts Receivable Branch (LFARB) is unable to reconcile the number of actual revision requests received with fees collected to the number of revisions performed in the RTS.

Solution: Devise a way to allow the RTS to count the revision without counting each change made to the reciprocity information for that revision.

NRC MOM FA2 Task 16 - FSME Systems

Vendor/Job Code	Vendor Labor Category	Base Year 1		Option Year 1		Option Year 2		Option Year 3		Option Year 4					
		Rate	Price	Rate	Price	Rate	Price	Rate	Price	Rate	Price				
E2285	Application SW Dev Anlzt Sr Stf	\$115.77		\$117.00		\$128.44		\$132.43		\$135.47					
E1081	Business Appl Program	\$70.32		\$70.62		\$71.80		\$79.38		\$74.98					
E1023	Business Appl Program Sr	\$82.50		\$83.04		\$84.52		\$86.41		\$88.34					
E1084	Business Appl Program Stf	\$98.87		\$94.63		\$96.38		\$98.57		\$100.80					
E1806	Comp Systems Architect Prin	\$145.48		\$147.04		\$149.82		\$153.42		\$156.97					
E2335	Database Engineer Sr Stf	\$117.42		\$118.53		\$120.79		\$123.58		\$126.41					
E4852	Information Sys Anlzt	\$66.90		\$67.16		\$68.27		\$69.77		\$71.28					
E4853	Information Sys Anlzt Sr	\$81.14		\$81.83		\$83.27		\$85.13		\$87.02					
E4854	Information Sys Anlzt Stf	\$96.95		\$97.70		\$99.48		\$101.74		\$104.03					
E4855	Information Sys Anlzt Sr Stf	\$109.81		\$110.77		\$112.84		\$115.43		\$118.06					
L1075	Software Engineering Mgr	\$125.77		\$127.00		\$128.44		\$132.43		\$135.47					
E1564	Software Quality Eng Sr	\$97.93		\$98.32		\$100.14		\$102.42		\$104.74					
E1213	Comptr Sys Secur Analyst Sr	\$85.94		\$86.50		\$88.04		\$90.02		\$92.02					
E1214	Comptr Sys Secur Analyst Stf	\$88.04		\$88.83		\$100.65		\$102.95		\$105.28					
			\$978,236.80		\$943,206.14		\$438,122.82		\$478,075.14		\$484,418.00				
														Total	\$3,162,902.20

Lockheed Martin Proprietary Information

Performance Metrics and Standards

The contractor shall provide accurate metrics for the defined performance measures. The contractor shall also make available to the Government any source data for the measured metrics when requested to substantiate the reported metrics.

Table Column Definitions

- Required Services: the type of support service being rendered under the scope of the task order.
- Performance Standard: the performance level required to meet the contract requirements. The benchmark for satisfactory performance.
- Acceptable Quality Level: establishes the maximum allowable variation (or error rate) from the standard.
- QASP Monitoring Method: method used for monitoring performance against standards.

Required Services	Performance Measure	Acceptable Quality Level (AQL)	QASP Monitoring Method
Release Schedule	Release should be deployed into production by the due date or delayed deployment date, if requested by the NRC	No more than 1 business day deviation	Task Order COR will check the application to confirm that the appropriate version is running in the production environment
Release Acceptance	Releases should not have been rejected because of defective code or artifacts found during User Acceptance Testing or Independent Verification and Validation contractor code reviews	No more than one release rejection before the build is deemed acceptable	Task Order COR will run IBM Rational Release reports and review IV&V contractor reports of findings
ChangeRequests (CRs) tracked and updated within the designated CM tools	CRs are tracked and implemented within the designated CM tools, including all timely application of all appropriate state changes to the Change Requests and Releases within the designated CM tool (currently Rational ClearQuest)	No deviation	Task Order COR will monitor IBM Rational tools
Release Cost Estimating	Actual Cost of each release should be equal or less than the Estimated Cost of the release	Deviation is 5% over cost	Task Order COR will run IBM Rational Release reports
Production System Availability during business hours	Production system must be availability during business hours excluding Federal Holidays and scheduled system outages	No deviation	Task Order COR will review performance
Support	Coverage provided from 08:00	Investigation of	Task Order COR will

Required Services	Performance Measure	Acceptable Quality Level (AQL)	QASP Monitoring Method
Response Time	to 18:00 Eastern Time, Monday through Friday, excluding holidays	<p><u>system accessibility/usability issues deemed urgent by the reporting user or the Project Officer</u>: Two hour response time to provide initial assessment to Project Officer</p> <p><u>User Support (e.g., Agreement State agency LTS DV issue)</u>: Four business hours for initial response with resolution within one business day</p> <p><u>Posting analyses/estimates for Change Requests</u>: Within one day of the date requested by the NRC (within IBM Rational CR record) unless further deviation granted by Task Order COR</p>	analyze support request and CR documentation and available tracking reports
Deliverables	Delivered within the agreed upon timeframes, addresses the agreed upon scope and complies with acceptable and professional formatting and/or required templates	<p>Delivered by COB of designated deadline</p> <p>No more than one re-submission before any defects within documents are at a non-material level</p>	Task Order COR, subject matter experts and IV&V contractors will review deliverables