

ORDER FOR SUPPLIES OR SERVICES

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

BPA NO. NRC-DR-33-10-324

1. DATE OF ORDER 09-13-2010		2. CONTRACT NO. (If any) GS35F0125S		6. SHIP TO:		
3. ORDER NO. NRC-T001		MODIFICATION NO.		a. NAME OF CONSIGNEE U.S. Nuclear Regulatory Commission		
5. ISSUING OFFICE (Address correspondence to) U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Mail Stop: TWB-01-B10M Washington, DC 20555		4. REQUISITION/REFERENCE NO. 33-10-324		b. STREET ADDRESS Arthur Davis Mail Stop: 06H11 301-415-5780		
7. TO:		c. CITY Washington		d. STATE DC	e. ZIP CODE 20555	
a. NAME OF CONTRACTOR AEGIS.NET INC		f. SHIP VIA				
b. COMPANY NAME		8. TYPE OF ORDER				
c. STREET ADDRESS 2275 RESEARCH BLVD		<input type="checkbox"/> a. PURCHASE 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.			<input checked="" type="checkbox"/> b. DELIVERY 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 208503268		10. REQUISITIONING OFFICE OIS		
9. ACCOUNTING AND APPROPRIATION DATA 05515344133 F1199 252A 31X0200 \$294,331.00 FSS#:5510R152 05515344133 F1200 252A 31X0200 \$78,439.00 FSS#:5510R153 DUNS: 792268265				11. BUSINESS CLASSIFICATION (Check appropriate box(es))		
<input checked="" type="checkbox"/> a. SMALL <input type="checkbox"/> d. WOMEN-OWNED		<input type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> e. HUBZone		<input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> f. EMERGING SMALL BUSINESS		12. F.O.B. POINT N/A
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)		16. DISCOUNT TERMS
a. INSPECTION NRC Headquarters	b. ACCEPTANCE NRC Headquarters	N/A		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)
	This is a labor-hour task order issued under NRC's GSA FSS BPA No. NRC-DR-33-10-324. The Contractor shall provide the services described in the Statement of Work, Attachment 1. Page two (2) contains a complete breakdown of the pricing structure to perform the work associated under this task order. Obligation: \$372,770.00 Ceiling: \$1,312,965.60 Period of Performance: 9/16/2010-5/14/2011 Project Officer: Arthur Davis, Arthur.Davis@nrc.gov Contractor P.O.C: Thomas Lourenco, Thomas.Lourenco@nrc.gov				See CONTINUATION Page	

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					17(i). GRAND TOTAL
	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		\$372,770.00		

22. UNITED STATES OF AMERICA BY (Signature) 	23. NAME (Typed) Joseph L. Widdup Contracting Officer TITLE: CONTRACTING/ORDERING OFFICER
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**ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION**

PAGE NO.
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IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 09-13-2010	CONTRACT NO. GS35F0125S	ORDER NO. NRC-T001
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ITEM NO. (A)	SUPPLIES OR SERVICES (B)	QUANTITY ORDERED (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)	QUANTITY ACCEPTED (G)
	Base Period (9/16/2010-5/14/2011)					
0001	IV&V Technical Specialist	7,586	HR	145.68	\$1,105,128.48	
0002	IV&V Process Manager	1,114	HR	182.02	\$202,837.12	
0003	Travel costs - to be reimbursed in accordance with FAR Subpart 31.205-46, Travel costs.	1	Lot	5,000.00	\$5,000.00	
	Option Period 1 (5/15/2011-5/14/2012)					
1001	IV&V Technical Specialist	10,015	HR	149.79	\$1,500,146.85	
1002	IV&V Process Manager	1,485	HR	187.23	\$278,036.55	
1003	Travel costs - to be reimbursed in accordance with FAR Subpart 31.205-46, Travel costs.	1	Lot	5,000.00	\$5,000.00	
	Option Period 2 (5/15/2012-5/14/2013)					
2001	IV&V Technical Specialist	8,515	HR	154.03	\$1,311,565.45	
2002	IV&V Process Manager	1,485	HR	192.52	\$285,892.20	
2003	Travel costs - to be reimbursed in accordance with FAR Subpart 31.205-46, Travel costs.	1	Lot	5,000.00	\$5,000.00	
	Note 1: All Units and Unit Prices are Not-to-Exceed amounts.					
	Note 2: The Contractor shall provide a receipt for each individual travel cost that exceeds \$75 with the invoice					
	Note 3: The Contractor shall provide a copy of employee timesheets or similar computer-generated data with each invoice to support the number of hours being billed. See also attached Billing Instructions.					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

A.1 52.217-9 OPTION TO EXTEND THE TERM OF THE CONTRACT (MAR 2000)

(a) The Government may extend the term of this contract by written notice to the Contractor within 10 days; provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least 15 days before the contract expires. The preliminary notice does not commit the Government to an extension.

(b) If the Government exercises this option, the extended contract shall be considered to include this option clause.

(c) The total duration of this contract, including the exercise of any options under this clause, shall not exceed 5/14/2013.

A.2 52.232-19 AVAILABILITY OF FUNDS FOR THE NEXT FISCAL YEAR (APR 1984)

Funds are not presently available for performance under this contract beyond \$372,770.00. The Government's obligation for performance of this contract beyond that date is contingent upon the availability of appropriated funds from which payment for contract purposes can be made. No legal liability on the part of the Government for any payment may arise for performance under this contract beyond \$372,770.00, until funds are made available to the Contracting Officer for performance and until the Contractor receives notice of availability, to be confirmed in writing by the Contracting Officer.

A.3 AUTHORITY TO USE GOVERNMENT PROVIDED SPACE AT NRC HEADQUARTERS (JUL 2007)

Prior to occupying any government provided space at NRC HQs in Rockville Maryland, the Contractor shall obtain written authorization to occupy specifically designated government space, via the NRC Project Officer, from the Chief, Space Design Branch, ADSPC. Failure to obtain this prior authorization can result in one, or a combination, of the following remedies as deemed appropriate by the Contracting Officer.

- (1) Rental charge for the space occupied will be deducted from the invoice amount due the Contractor
- (2) Removal from the space occupied
- (3) Contract Termination

A.4 OPTION PERIODS - TASK ORDER/DELIVERY ORDER UNDER A GSA FEDERAL SUPPLY SCHEDULE CONTRACT (MARCH 2007)

The Period of Performance (PoP) for this requirement may extend beyond the Offeror's current PoP on their GSA Schedule. Offerors may submit proposals for the entire PoP as long as their current GSA Schedule covers the requested PoP, or their GSA Schedule contains GSA's "Evergreen Clause" (Option to Extend the Term of the Contract), which covers the requested PoP if/when the option(s) are exercised. Offerors are encouraged to submit accurate/realistic pricing for the requirement's entire PoP, even if the proposed GSA Schedule does not include pricing for the applicable option years, etc.

For proposal evaluation purposes, the NRC assumes that applicable Evergreen Clause Option(s) will be exercised and the NRC will apply price analysis, as applicable. It is in the best interest of the Offeror to explain major deviations in escalation, proposed in any Evergreen Clause option years. Resulting GSA task/delivery order option years subject to the Evergreen Clause will be initially priced utilizing the same rates proposed under the last GSA-priced year of the subject GSA Schedule. Upon GSA's exercise of the GSA Schedule option year(s) applicable to the Evergreen

NRC-T001

Clause, the NRC will modify the awarded task/delivery order to incorporate either the proposed pricing for the option years or the GSA-approved pricing (whichever is lower).

It is incumbent upon the Offeror to provide sufficient documentation (GSA-signed schedule, schedule modifications, etc.) that shows both the effective dates, pricing and terms/conditions of the current GSA Schedule, as well as Evergreen Clause terms/conditions (as applicable). Failure to provide this documentation may result in the Offeror's proposal being found unacceptable.

Independent Verification and Validation for FSME Systems

Statement of Work

1. INTRODUCTION

Within the Nuclear Regulatory Commission (NRC), the Office of Federal and State Materials and Environmental Management Programs (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.

2. OBJECTIVE

FSME utilizes numerous information systems to support its mission. Independent Verification and Validation (IV&V) services are critical to the FSME approach to systems planning, development, and maintenance. The purpose of support under this task order is to ensure that all FSME systems development and maintenance work is done in compliance with contractual requirements and fully satisfying stated FSME requirements.

3. SCOPE

The contractor shall provide all personnel, materials, hardware, software, labor, supplies, equipment, travel, and other direct costs necessary to accomplish the performance of the tasks described below. Support will cover two major groups of FSME systems: 1.) the Integrated Source Management Portfolio (ISMP); and 2.) Legacy Systems. The ISMP consists of the existing National Source Tracking System (NSTS) and will add the newly developed user Enrollment Module, License Verification System (LVS), and the Web-Based Licensing system (WBL). The term Legacy Systems refers to all FSME systems under maintenance, excluding the ISMP systems (NSTS, WBL, LVS, and Enrollment Module).

4. PERIOD OF PERFORMANCE

The periods of performance of this task order are as follows:

Base period- 9/8/2010-5/14/2011 (estimated level of effort not-to-exceed 8,700 contractor labor hours); Option Period 1 - 5/15/2011-5/14/2012 (estimated level of effort not-to-exceed 11,500 contractor labor hours); Option Period 2 - 5/15/2012-5/14/2013 (estimated level of effort not-to-exceed 10,000 contractor labor hours)

5. CONTRACTOR STAFFING

FSME requires that the contractor designate a point of contact for each system under development or maintenance. For major systems, the contractor shall designate a point of contact who is dedicated to IV&V support for the subject system, with the exception of the WBL. The WBL point of contact may also oversee all IV&V support for the legacy Licensing Tracking System 2.0 (LTS 2.0), being replaced by the WBL. Specifically, the contractor shall provide dedicated points of contact for the following areas of FSME support:

- a. National Source Tracking System (NSTS)
- b. Web-based License System (WBL) development and Licensing Tracking System 2.0 (LTS 2.0) maintenance
- c. License Verification System (LVS) and User Enrollment Module development
- d. Maintenance of all other FSME legacy systems (e.g., the General License Tracking System – GLTS)

5.1 Key Personnel

The four lead analyst roles described above shall be considered to be Key Personnel and subject to all related conditions of the base contract.

5.2 System specific Contractor Capabilities

The contractor shall provide staff with appropriate expertise, certifications and experience in the following technologies applicable to each FSME system. This level of support is required to avoid disruption related to disputes over the technical accuracy of IV&V contractor assessments.

System	Technologies requiring technical expertise within the IV&V contractor team
ISMP/NSTS	J2EE, Struts, Oracle Web Server, Oracle Application Server, Oracle Database, Structured Query Language, iRule scripting for BIG IP F5 traffic manager appliances, IBM Rational tools including Software Architect, Rational Functional Tester, ClearQuest, ClearCase, and TestManager
ISMP/Enrollment Module	Development will be underway with work tracking toward anticipated deployment in July, 2011. The development platform will be the same as that of the ISMP/NSTS.
ISMP/LVS	J2EE, Struts, Oracle Web server, Oracle Application Server, Oracle Database, Structured Query Language, iRule scripting for BIG IP F5 traffic manager appliances, IBM Rational tools including Software Architect, Rational Functional Tester, ClearQuest, ClearCase, and TestManager
ISMP/WBL	Microsoft .NET, Visual Basic, SQL Server, Structured Query Language, iRule scripting for BIG IP F5 traffic manager appliances, IBM Rational tools including Software Architect, Rational Functional Tester, ClearQuest, ClearCase, and TestManager
GLTS	PowerBuilder, Sybase, and IBM Rational tools as detailed above
LTS	.NET, Visual Basic, SQL Server, and IBM Rational tools as detailed above
NSSDRS	PowerBuilder, Sybase, and IBM Rational tools as detailed above

6. PLACE OF PERFORMANCE AND AVAILABILITY

FSME requires that each IV&V point of contact for an area of FSME support be available on site at least 70% of the hours billed. The Technical Monitor will meet monthly with IV&V contractor management to assess compliance with this need. While the contractor may not rely on the availability of NRC office space, FSME can currently accommodate up to five IV&V analysts on site. The contractor shall provide office space for its remaining staff and ensure that they are readily available by telephone and NRC email during hours billed. The contractor shall also ensure that all staff hours are worked between 8:00 a.m. and 5:00 p.m. unless specifically approved by the FSME technical monitor.

6.1 Travel Requirements

Support under this task order will require local travel to offices of other contractors providing software development, maintenance and operational support for FSME systems. Additionally, occasional travel will be required to remote facilities supporting FSME systems (e.g., the Lockheed Martin facility in Richland, WA) as well as remote facilities of stakeholders in FSME systems (e.g., licensees in California and Massachusetts and state agencies in Ohio and Texas). To ensure consistent proposals, the contractor shall include in their proposal a ceiling amount of \$5,000 in travel expenses for each performance period.

7. SUPPORT ACTIVITIES

The following table provides a high level overview of planned activities related to the ISMP component systems.

Further information on FSME legacy systems is found in the attached appendix of System Fact Sheets. Two systems supporting the NRC Office of Nuclear Material Safety and Safeguards (NMSS) are also supported under this contract. These are the TAPIS (Transportation Approval Package Information System) systems and a supplemental system known as BARTO (not an acronym). Collectively, these systems are referred to as the Storage and Transportation Information Management System (STIMS).

The following list of base contract categories is included for reference

- 8.1.1 System Integration Planning Studies
- 8.1.2 Feasibility Studies
- 8.1.3 Technology Assessments
- 8.2 Lifecycle Project Review (by project phase)
 - 8.2.1 Project Planning
 - 8.2.1.1 Requirements Definition
 - 8.2.1.2 Business Case Review
 - 8.2.1.3 Project Schedule, Cost, and Spending Plan Reasonableness Assessments
 - 8.2.1.4 Review and Support in Developing Standards and Guidelines Related to Development and Maintenance of NRC Systems
 - 8.2.2 Project Execution
 - 8.2.2.1 Advising Source Evaluation Panels (SEP)
 - 8.2.2.2 Functional Gap Analysis
 - 8.2.2.3 Requirements Validation
 - 8.2.2.4 Design Review
 - 8.2.3 Project Controlling
 - 8.2.3.1 Review Project Performance Monitoring
 - 8.2.3.2 Review of Software Developer Contractor Deliverables
 - 8.2.3.3 Technical Code Audits
 - 8.2.3.4 User Acceptance Testing
 - 8.2.3.5 Security
 - 8.2.3.6 System Security Accreditation Support
 - 8.2.4 Maintenance Support Activities
 - 8.2.4.1 Defect Verification and Analysis
 - 8.2.4.2 Software Change Specification Review
 - 8.2.4.3 Configuration/Change Control Board (CCB) support

7.1 Base Period Support Activities (9/8/10 - 5/14/11)

The following table summarizes the state of each system and the general nature of support activities required during this period of performance. This also references the applicable support descriptions from the overall contract vehicle under which this task order is established.

System	Planned Work Requiring IV&V Support	Applicable Base Contract Support
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		Categories
ISMP/General Support of the overall portfolio	<p>During this period, the contractor shall provide ongoing project performance monitoring and related support in satisfying all applicable project status reporting requirements under the NRC Project Management Methodology (PMM) and those of the Office of Management and Budget (OMB). Support will include preparation of monthly OMB Dashboard updates, and periodic updates to artifacts related to OMB Exhibit 300 reporting. OMB reporting is currently managed in ProSight (NRC Primavera implementation).</p> <p>Support in review of development contractor input and recommendations regarding proposed standards related to development within the Microsoft .NET environment and preparation of proposed improvements to best meet NRC requirements.</p>	8.2.1.2, 8.2.1.4, and 8.2.3.1
ISMP/NSTS	<p>During this period, the NSTS will remain operational and the NRC expects to finalize acceptance of the V1.3 maintenance release in early September and that two other maintenance releases will be delivered (V1.4 and V1.5) and a third will be planned and likely started (V2.1). Additionally, FSME will be pursuing requirements validation, design review and startup of work on the major release, NSTS v3.0.</p>	8.1.2, 8.1.3, 8.2.2.2, 8.2.2.3, 8.2.2.4, 8.2.1.3, 8.2.1.4, 8.2.3, and 8.2.4
ISMP/Enrollment Module	Development will be underway with work tracking toward anticipated deployment in July of 2011.	8.2.1.3, 8.2.1.4, 8.2.2.2, 8.2.2.3, 8.2.2.4, and 8.2.3
ISMP/LVS	Development will be underway with work tracking toward anticipated deployment in March of 2012.	8.2.1.3, 8.2.1.4, 8.2.2.2, 8.2.2.3, 8.2.2.4, and 8.2.3
ISMP/WBL V1.0	Development of the first phased WBL release will be underway with work tracking toward anticipated deployment in October of 2011. The primary goal of this release will be to replace the current LTS system, Inspection Planning System (IPS) and to support usage by Agreement State licensees in addition to the previously supported NRC licensees.	8.2.1.3, 8.2.1.4, 8.2.2.2, 8.2.2.3, 8.2.2.4, and 8.2.3
Legacy Systems and Other Support		
GLTS	For this stable system, two routine maintenance releases are planned during this period.	8.2.3.2, 8.2.3.3, 8.2.3.4, 8.2.3.5, 8.2.3.6, 8.2.4.1, 8.2.4.2, and 8.2.4.3
IPS	This legacy system has no routine maintenance releases. Maintenance releases are performed only as needed to address emergent issues.	As above - same support required for all systems under maintenance with minimal Change Control Board (CCB) support beyond the GLTS and LTS.
LTS	This system was re-platformed from a mainframe to web-based (.NET) architecture in mid-2010. Adaptive	As above

	maintenance will continue until October 2011 when it is replaced by the WBL	
NSSDRS	This legacy system has no routine maintenance releases. Maintenance releases are performed only as needed to address emergent issues.	As above
RTS	This legacy system has no routine maintenance releases. Maintenance releases are performed only as needed to address emergent issues.	As above
TAPIS	This legacy system has no routine maintenance releases. Maintenance releases are performed only as needed to address emergent issues.	As above
TAPNM	This legacy system has no routine maintenance releases. Maintenance releases are performed only as needed to address emergent issues.	As above
General Support (incl. IT Planning)	FSME requires periodic support in updating the IT strategic plan as well as assessments of emergent technologies with potential application to FSME IT support requirements. This update entails interviewing business area contacts and producing fact sheets regarding all current information systems within FSME. Systems to be documented include user-generated systems that are key to FSME line of business activities. The study also entails an alternatives analysis for future plans to maintain, migrate or replace all FSME systems.	8.1.1, 8.1.2, 8.1.3, and 8.2.1.4
	During this period, FSME requires support in development and documentation of maintenance procedures, including work authorization, configuration management, quality assurance, NRC acceptance and deployment of products affecting systems, but not within the main application boundary (e.g., stored procedures, external scripts, and report templates). FSME envisions definition of three to four product-based scenarios. The process will include obtaining input from system owner representatives (NRC staff), NRC IT staff, and maintenance contractor staff.	8.2.1.4
	Broad support in addressing the introduction of emergent enterprise wide systems, including: 1.) impact assessment; 2.) specification of interfaces to FSME systems; and 3.) advice and support in review of design of interfaces between FSME systems and non-FSME systems.	8.2.1.1, 8.2.2.2, 8.2.2.3, and 8.2.2.4
	Support in reviewing maintenance contractor deliverables related to revision of legacy system documentation to maintain compliance with the NRC PMM methodology. These reviews will be for accuracy, thoroughness, and PMM compliance.	8.2.3.2
	Support to system owner staff in understanding the impact of candidate software change requests as well as in understanding the pros and cons of alternate technical approaches proposed by maintenance contractors.	8.2.2.2, 8.2.2.3, 8.2.2.4, and 8.2.4.2
	Support to FSME IT staff in assessing the impact and applicability of changes to NRC IT policy and non-FSME information systems. These assessments will entail review of documentation and an informal briefing or email assessment.	8.2.2.2, 8.2.2.3, 8.2.2.4, and 8.2.4.2
	Support for impact analysis, gap analysis, requirements definition, requirements validation, and acceptance testing	8.2.1.1, 8.2.2.3, 8.2.3.2, 8.2.3.4,

	in relation to needs to define and specify interfaces to emergent agency wide systems (generally require informal reporting in the form of briefings or email summaries)	and 8.2.4.2
	Support of operational systems for requirements definition, requirements validation, design review, and acceptance testing in relation to contractor products affecting an operational FSME system, but not directly part of the application code (e.g., external data manipulation scripts, custom reports, network appliance scripts, and database stored procedures)	8.2.1.1, 8.2.2.3, 8.2.2.4, 8.2.3.2, 8.2.3.4, and 8.2.4.2

The following table details IV&V contractor deliverables for this period of performance.

All reports shall comply with prevailing NRC formatting standards. Draft and final versions of reports shall be developed and delivered as directed by the Technical Monitor. All reports and other deliverables shall be delivered prior to the end of this period of performance.

Estimated dates below are based on schedules proposed by development contractors. While the NRC has not determined new dates, work under the Enrollment Module, WBL, and LVS has been delayed. The NRC expects that dates for the Enrollment Module will be about 30 days later than reflected below while LVS and WBL dates will be about 60 days later than reflected below.

System	Deliverable	Estimated dates
ISMP		
ISMP/General	Updates to the OMB Exhibit 300 project data for the ISMP investment and any related systems	Monthly
	For two separate update cycles, draft and final updates of all required artifacts attached to the OMB Exhibit 300 investment record for the ISMP and related systems. These documents include the following: <ul style="list-style-type: none"> • Alternative Analysis • Risk management Plan • Risk register • Quality Assurance Plan • Configuration Management Plan • Security Documentation 	
ISMP/NSTS		
Note on Maintenance Releases: Maintenance releases are scheduled based on numerous factors, including system age and stability and emergent business needs. These releases generally have deployment dates that are four to five months apart.		
ISMP/NSTS	For each of three routine maintenance releases, both draft and final summary reports (in MS Excel format) of all pending Change Requests (CRs), including a brief synopsis and an estimated effort for each CR	See Note on Maintenance Releases above
	Informal (email) reports of findings in response to six spot checks of development contractor compliance with required configuration management and testing procedures, randomly scheduled during maintenance activities	"
	Draft and final reports of Findings (RoF) from review of the development contractor technical approach for CRs within each of three proposed maintenance releases	"
	Draft and final User Acceptance Test (UAT) plans for each of three maintenance releases	"
	Draft and final RoF for first pass code review for each of	"

	three maintenance releases	
	Draft and final RoF for second pass code review for each of three maintenance releases	"
	Draft and final RoF from first pass UAT on each of three maintenance releases	"
	Draft and final RoF from second pass UAT on each of three maintenance releases	"
	Draft and final RoF from review of system documentation updates related to each of three maintenance releases	"
	Draft and final RoF from monitoring of Contingency Test	Once
ISMP/Enrollment Module		
ISMP/Enrollment Module	Status summary (email sufficient) from review of development contractor updates to integrated schedule and IV&V application of NRC schedule updates	Monthly
	Review of development contractor configuration management and testing practices (including audits of Rational data stores)	Twice monthly at random times
	Draft and final Report of Findings (RoF) for development contractor Summary of Findings from requirements validation process	9/15/10
	Draft and final mark-ups to Word extracts from requirements needing edits from validation process	9/25/10
	Draft and final RoF from review of Quality Assurance Plan	9/15/10 – 9/30/10
	Draft and final RoF from review of Configuration Management Plan	9/15/10 – 9/30/10
	Draft and final RoF from review of Test Artifact Configuration Management Plan	9/15/10 – 9/30/10
	Draft and final RoF from review of Project Risk Management Plan	9/15/10 – 9/30/10
	Draft and final RoF from review of Project Management Plan	9/1/10-9/15/10
	Draft and final RoF from review of Software Development Plan	9/1/10-9/15/10
	Draft and final RoF from review of Database Design	10/7/10-10/18/10
	Draft and final RoF from review of User Interface Design	10/14/10-10/25/10
	Draft and final RoF from review of general software Design Models	10/7/10-11/2/10
	Draft and final RoF from review of System Architecture Document	11/17/10-12/1/10
	Draft and final RoF from review of Deployment Plan	12/1/10-12/14/10
	Draft and final RoF from review of System Test Plan	11/1/10-11/24/10
	Draft and final RoF from review of Security Risk Assessment documentation	3/15/11-4/15/11
	Draft and final RoF from review of System Security Plan	3/15/11-4/15/11
	Draft and final RoF from review of Contingency Plan	10/21/10-10/27/10
	Draft and final RoF from first round review of Module 1 software build	3/15/11-3/21/11
	Draft and final RoF from second round review of Module 1 software build	3/15/11-3/21/11
	Draft and final RoF from first round review of Module 2 software build	5/3/11-5/14/11
	Draft and final RoF from second round review of Module 2 software build	5/3/11-5/14/11
	Draft and final RoF from review of System Test Scripts	2/17/11-3/7/11

	Draft and final RoF from monitoring of Contingency Test	2/17/11-3/7/11
	User Acceptance Test Plan	3/28/11
ISMP/LVS		
ISMP/LVS	Status summary (email sufficient) from review of development contractor updates to integrated schedule and IV&V application of NRC schedule updates	Monthly
	Status report (email sufficient) from review of development contractor configuration management and testing practices (including audits of Rational data stores)	Twice monthly at random times
	Draft and final Report of Findings (RoF) for development contractor Summary of Findings from requirements validation process	9/16/10
	Draft and final mark-ups to Word extracts from requirements needing edits from validation process	9/22/10
	Draft and final RoF from review of Quality Assurance Plan	10/5/10-10/27/10
	Draft and final RoF from review of Configuration Management Plan	10/5/10-10/27/10
	Draft and final RoF from review of Project Risk Management Plan	10/5/10-11/3/10
	Draft and final RoF from review of Database Design	10/5/10-10/26/10
	Draft and final RoF from general review of User Interface Design	11/18/10-12/8/10
	Draft and final RoF from review of general software Design Models	1/16/11-1/27/11
	Draft and final RoF from review of System Architecture Document	1/12/11-1/25/11
	Draft and final RoF from review of Deployment Plan	11/28/10-12/15/10
	Draft and final RoF from review of System Test Plan	10/24/10-11/30/10
	Draft and final RoF from review of Security Risk Assessment documentation	3/22/11-4/18/11
	Draft and final RoF from review of System Security Plan	3/22/11-4/18/11
	Draft and final RoF from review of Contingency Plan	12/1/10-12/21/10
	Draft and final RoF from first round review of Feature Set 1 software build	3/4/11-3/27/11
	Draft and final RoF from second round review of Feature Set 1 software build	3/4/11-3/27/11
	Two draft and one final edition of User Acceptance Test Plan	11/29/10-1/6/11
	Draft and final RoF from first round review of operational support materials	2/10/11-3/7/11
	Draft and final RoF from second round review of operational support materials	2/10/11-3/7/11
ISMP/WBL		
ISMP/WBL V1.0 (LTS/IPS)	Status summary (email sufficient) from review of development contractor updates to integrated schedule and IV&V application of NRC schedule updates	Monthly
	Status report (email sufficient) from review of development contractor configuration management and testing practices (including audits of Rational data stores)	Twice monthly at random times
	Draft and final Report of Findings (RoF) for development contractor Summary of Findings from requirements validation process	9/15/10-9/25/10
	Draft and final mark-ups to Word extracts from requirements needing edits from validation process	9/25/10 - 9/30/10
	Draft and final RoF from review of Quality Assurance Plan	9/30/10-10/13/10

	Draft and final RoF from review of Configuration Management Plan	10/7/10-10/26/10
	Draft and final RoF from review of Project Risk Management Plan	9/29/10-10/13/10
	Draft and final RoF from review of Software Development Plan	10/14/10-11/2/10
	Draft and final RoF from review of Database Design	11/16/10-12/2/10
	Draft and final RoF from general review of User Interface Design (excludes Section 508 compliance)	11/16/10-12/2/10
	Draft and final RoF from review of Section 508 compliance	12/13/10-12/27/10
	Draft and final RoF from review of general software Design Models	11/16/10-12/2/10
	Draft and final RoF from review of System Architecture Document	11/25/10-12/9/10
	Draft and final RoF from review of Deployment Plan	12/2/10-12/20/10
	Draft and final RoF from review of System Test Plan	11/16/10-12/7/10
	Draft and final RoF from review of Security Risk Assessment documentation	1/25/11-1/31/11
	Draft and final RoF from review of System Security Plan	1/25/11-1/31/11
	Draft and final RoF from review of Contingency Plan	11/18/10-12/2/10
	Draft and final RoF from review of System Test Scripts	1/25/11-3/13/11
	Draft and final RoF from first round review of software build addressing system testing issues	5/10/11-5/14/11
	Draft and final RoF from second round review of software build addressing system testing issues	5/10/11-5/14/11
	Two draft and one final edition of User Acceptance Test Plan	11/23/10-12/7/10
	Draft and final RoF from first round review of user support materials	1/30/11-2/10/11
	Draft and final RoF from second round review of user support materials	1/30/11-2/10/11
	Draft and final RoF from first round review of operational support materials	1/25/11-2/14/11
	Draft and final RoF from second round review of operational support materials	1/25/11-2/14/11
Legacy Systems		
GLTS Maintenance Releases		
GLTS	For each of two routine maintenance releases, both draft and final summary reports (in MS Excel format) of all pending CRs, including a brief synopsis and an estimated effort for each CR	See Note on Maintenance Releases above
	Informal (email) reports of findings in response to four spot checks of development contractor compliance with required configuration management and testing procedures, randomly scheduled during maintenance activities	"
	Draft and final reports of Findings (RoF) from review of the development contractor technical approach for CRs within each of two proposed maintenance releases	"
	Draft and final User Acceptance Test (UAT) plans for each of two maintenance releases	"
	Draft and final RoF for first pass code review for each of two maintenance releases	"
	Draft and final RoF for second pass code review for each of two maintenance releases	"
	Draft and final RoF from first pass UAT on each of two	"

	maintenance releases	
	Draft and final RoF from second pass UAT on each of two maintenance releases	"
	Draft and final RoF from review of system documentation updates related to each of two maintenance releases	"
	Draft and final RoF from monitoring of Contingency Test	Once
LTS 2.0 Maintenance Releases		
LTS V2.x	For each of three routine maintenance releases, both draft and final summary reports (in MS Excel format) of all pending CRs, including a brief synopsis and an estimated effort for each CR	See Note on Maintenance Releases above
	Informal (email) reports of findings in response to six spot checks of development contractor compliance with required configuration management and testing procedures, randomly scheduled during maintenance activities	"
	Draft and final reports of Findings (RoF) from review of the development contractor technical approach for CRs within each of three proposed maintenance releases	"
	Draft and final User Acceptance Test (UAT) plans for each of three maintenance releases	"
	Draft and final RoF for first pass code review for each of three maintenance releases	"
	Draft and final RoF for second pass code review for each of three maintenance releases	"
	Draft and final RoF from first pass UAT on each of three maintenance releases	"
	Draft and final RoF from second pass UAT on each of three maintenance releases	"
	Draft and final RoF from review of system documentation updates related to each of three maintenance releases	"
	Draft and final RoF from monitoring of Contingency Test	Once
NSSDRS Maintenance Releases		
NSSDRS	For one routine maintenance release, both draft and final summary reports (in MS Excel format) of all pending CRs, including a brief synopsis and an estimated effort for each CR	See Note on Maintenance Releases above
	Informal (email) reports of findings in response to two spot checks of development contractor compliance with required configuration management and testing procedures, randomly scheduled during maintenance activities	"
	Draft and final reports of Findings (RoF) from review of the development contractor technical approach for CRs within one proposed maintenance release	"
	Draft and final User Acceptance Test (UAT) plan for one maintenance release	"
	Draft and final RoF for first pass code review for one maintenance release	"
	Draft and final RoF for second pass code review for one maintenance release	"
	Draft and final RoF from first pass UAT on one maintenance release	"
	Draft and final RoF from second pass UAT on one maintenance release	"
	Draft and final RoF from review of system documentation updates related to one maintenance release	"

	Draft and final RoF from monitoring of Contingency Test	Once
General Support		
IT Planning Support	Three draft and one final versions of an update to the FSME IT strategic plan, a document of approximately 50 pages detailing the current FSME system portfolio and plans for enhancement and replacement of systems and technologies	Date to be determined, but within this period of performance
	Two draft and one final version of documentation for system maintenance procedures, including work authorization, configuration management, quality assurance, NRC acceptance and deployment of products affecting systems, but not within the main application boundary (e.g., stored procedures, external scripts, and report templates)	Date to be determined, but within this period of performance
	Draft and final RoF from two assessments of technologies with potential application to FSME IT requirements.	Date to be determined, but within this period of performance

7.2 Option Period 1 Support Activities (5/15/11 - 5/14/12)

The following table summarizes the state of each system and the general nature of support activities required during this period of performance. This also references the applicable support descriptions from the overall contract vehicle under which this task order is established.

System	Planned Work Requiring IV&V Support	Applicable Base Contract Support Categories
ISMP/General Support of the overall portfolio	During this period, the contractor shall provide ongoing project performance monitoring and related support in satisfying all applicable project status reporting requirements under the NRC Project Management Methodology (PMM) and those of the Office of Management and Budget (OMB). Support will include preparation of monthly OMB Dashboard updates, and periodic updates to artifacts related to OMB Exhibit 300 reporting. OMB reporting is currently managed in ProSight (NRC Primavera implementation).	8.2.1.2 and 8.2.3.1
ISMP/NSTS	During this period, the NSTS will remain operational and the NRC expects that two maintenance releases will be delivered (V2.1 and V2.2) and a third will be planned and likely started (V2.3). Additionally, FSME will be pursuing requirements validation, design review and startup of work on the major release, NSTS v3.0.	8.1.2, 8.1.3, 8.2.2.2, 8.2.2.3, 8.2.2.4, 8.2.1.3, 8.2.1.4, 8.2.3, and 8.2.4
ISMP/Enrollment Module	Development will be underway with work tracking toward anticipated deployment in July of 2011. Following deployment, the NRC will immediately pursue planning for the V1.1 maintenance release. It is possible that two minimal maintenance releases could be required during this performance period.	8.2.1.3, 8.2.1.4, 8.2.2.2, 8.2.2.3, 8.2.2.4, 8.2.3, and 8.2.4
ISMP/LVS	Development will be underway with work tracking toward anticipated deployment in March of 2012. Following deployment, the NRC will immediately pursue planning for	8.2.1.3, 8.2.1.4, 8.2.2.2, 8.2.2.3,

	the V1.1 maintenance release. It is possible that one minimal maintenance release could be required during this performance period.	8.2.2.4, 8.2.3, and 8.2.4
ISMP/WBL V1.0 (LTS/IPS)	Development of the first phased WBL release will be underway with work tracking toward anticipated deployment in October of 2011. The primary goal of this release will be to replace the current LTS system, Inspection Planning System (IPS) and to support usage by Agreement State licensees in addition to the previously supported NRC licensees.	8.2.1.3, 8.2.1.4, 8.2.2.2, 8.2.2.3, 8.2.2.4, and 8.2.3
ISMP/WBL V2.0 (STIMS)	Development of the second phased WBL release will begin with work tracking toward anticipated deployment in November of 2012. The primary goal of this release will be to replace the current TAPIS and BARTO systems.	8.2.1.3, 8.2.1.4, 8.2.2.2, 8.2.2.3, 8.2.2.4, and 8.2.3
Legacy Systems and Other Support		
GLTS	For this stable system, two routine maintenance releases are planned during this period.	8.2.3.2, 8.2.3.3, 8.2.3.4, 8.2.3.5, 8.2.3.6, 8.2.4.1, 8.2.4.2, and 8.2.4.3
IPS	This legacy system has no routine maintenance releases. Maintenance releases are performed only as needed to address emergent issues.	As above - same support required for all systems under maintenance with minimal CCB support beyond the GLTS and LTS.
LTS	This system was re-platformed from a mainframe to web-based (.NET) architecture in mid-2010. Adaptive maintenance will continue until October 2011 when it is replaced by the WBL	As above
NSSDRS	This legacy system has no routine maintenance releases. Maintenance releases are performed only as needed to address emergent issues.	As above
RTS	This legacy system has no routine maintenance releases. Maintenance releases are performed only as needed to address emergent issues.	As above
TAPIS	This legacy system has no routine maintenance releases. Maintenance releases are performed only as needed to address emergent issues.	As above
TAPNM	This legacy system has no routine maintenance releases. Maintenance releases are performed only as needed to address emergent issues.	As above
General Support (incl. IT Planning)	FSME requires periodic support in updating the IT strategic plan as well as assessments of emergent technologies with potential application to FSME IT support requirements.	8.1.1, 8.1.2, 8.1.3, and 8.2.1.4
	Broad support in addressing the introduction of emergent enterprise wide systems, including: 1.) impact assessment; 2.) specification of interfaces to FSME systems; and 3.) advice and support in review of design of interfaces between FSME systems and non-FSME systems.	8.2.1.1, 8.2.2.2, 8.2.2.3, and 8.2.2.4
	Support in reviewing maintenance contractor deliverables related to revision of legacy system documentation to maintain compliance with the NRC PMM methodology.	8.2.3.2

	These reviews will be for accuracy, thoroughness, and PMM compliance.	
	Support to system owner staff in understanding the impact of candidate software change requests as well as in understanding the pros and cons of alternate technical approaches proposed by maintenance contractors.	8.2.2.2, 8.2.2.3, 8.2.2.4, and 8.2.4.2
	Support to FSME IT staff in assessing the impact and applicability of changes to NRC IT policy and non-FSME information systems. These assessments will entail review of documentation and an informal briefing or email assessment.	8.2.2.2, 8.2.2.3, 8.2.2.4, and 8.2.4.2
	Support for impact analysis, gap analysis, requirements definition, requirements validation, and acceptance testing in relation to needs to define and specify interfaces to emergent agency wide systems (generally require informal reporting in the form of briefings or email summaries)	8.2.1.1, 8.2.2.3, 8.2.3.2, 8.2.3.4, and 8.2.4.2
	Support of operational systems for requirements definition, requirements validation, design review, and acceptance testing in relation to contractor products affecting an operational FSME system, but not directly part of the application code (e.g., external data manipulation scripts, custom reports, network appliance scripts, and database stored procedures)	8.2.1.1, 8.2.2.3, 8.2.2.4, 8.2.3.2, 8.2.3.4, and 8.2.4.2

The following table details IV&V contractor deliverables for this period of performance.

All reports shall comply with prevailing NRC formatting standards. Draft and final versions of reports shall be developed and delivered as directed by the Technical Monitor. All reports and other deliverables shall be delivered prior to the end of this period of performance.

Estimated dates below are based on schedules proposed by development contractors. While the NRC has not determined new dates, work under the Enrollment Module, WBL, and LVS has been delayed. The NRC expects that dates for the Enrollment Module will be about 30 days later than reflected below while LVS and WBL dates will be about 60 days later than reflected below.

System	Deliverable	Estimated dates
ISMP/General	Updates to the OMB Exhibit 300 project data for the ISMP investment and any related systems	Monthly
	For two separate update cycles, draft and final updates of all required artifacts attached to the OMB Exhibit 300 investment record for the ISMP and related systems. These documents include the following: <ul style="list-style-type: none"> • Alternative Analysis • Risk management Plan • Risk register • Quality Assurance Plan • Configuration Management Plan • Security Documentation 	
ISMP/NSTS		
ISMP/NSTS	For each of three routine maintenance releases, both draft and final summary reports (in MS Excel format) of all pending CRs, including a brief synopsis and an estimated	See Note on Maintenance Releases above

	effort for each CR	
	Informal (email) reports of findings in response to six spot checks of development contractor compliance with required configuration management and testing procedures, randomly scheduled during maintenance activities	"
	Draft and final reports of Findings (RoF) from review of the development contractor technical approach for CRs within each of three proposed maintenance releases	"
	Draft and final User Acceptance Test (UAT) plans for each of three maintenance releases	"
	Draft and final RoF for first pass code review for each of three maintenance releases	"
	Draft and final RoF for second pass code review for each of three maintenance releases	"
	Draft and final RoF from first pass UAT on each of three maintenance releases	"
	Draft and final RoF from second pass UAT on each of three maintenance releases	"
	Draft and final RoF from review of system documentation updates related to each of three maintenance releases	"
	Draft and final RoF from monitoring of Contingency Test	Once
ISMP/Enrollment Module		
ISMP/Enrollment Module (Development)	Status summary (email sufficient) from review of development contractor updates to integrated schedule and IV&V application of NRC schedule updates	Monthly
	Review of development contractor configuration management and testing practices (including audits of Rational data stores)	Twice monthly at random times
	Draft and final RoF from first round review of software build addressing system testing issues	6/14/11-6/21/11
	Draft and final RoF from second round review of software build addressing system testing issues	6/14/11-6/21/11
	Draft and final RoF from first round review of software build addressing UAT issues	7/10/11-7/24/11
	Draft and final RoF from second round review of software build addressing UAT issues	7/10/11-7/24/11
	Draft and final RoF from third round review of software build addressing UAT issues	7/10/11-7/24/11
	Draft and final RoF from first round User Acceptance Testing	6/27/11-7/10/11
	Draft and final RoF from second round User Acceptance Testing	6/27/11-7/10/11
	Draft and final RoF from third round User Acceptance Testing	6/27/11-7/10/11
ISMP/Enrollment Module V1.x (Maintenance)	For each of two routine maintenance releases, both draft and final summary reports (in MS Excel format) of all pending CRs, including a brief synopsis and an estimated effort for each CR	See Note on Maintenance Releases above
	Informal (email) reports of findings in response to four spot checks of development contractor compliance with required configuration management and testing procedures, randomly scheduled during maintenance activities	"
	Draft and final reports of Findings (RoF) from review of the development contractor technical approach for CRs within	"

	each of two proposed maintenance releases	
	Draft and final User Acceptance Test (UAT) plans for each of two maintenance releases	"
	Draft and final RoF for first pass code review for each of two maintenance releases	"
	Draft and final RoF for second pass code review for each of two maintenance releases	"
	Draft and final RoF from first pass UAT on each of two maintenance releases	"
	Draft and final RoF from second pass UAT on each of two maintenance releases	"
	Draft and final RoF from review of system documentation updates related to each of two maintenance releases	"
ISMP/LVS		
ISMP/LVS (Development)	Status summary (email sufficient) from review of development contractor updates to integrated schedule and IV&V application of NRC schedule updates	Monthly
	Status report (email sufficient) from review of development contractor configuration management and testing practices (including audits of Rational data stores)	Twice monthly at random times
	Draft and final RoF from monitoring of Contingency Test	Once
	Draft and final RoF from first round review of Feature Set 2 software build	6/13/11-7/7/11
	Draft and final RoF from second round review of Feature Set 2 software build	6/13/11-7/7/11
	Draft and final RoF from third round review of Feature Set 2 software build	6/13/11-7/7/11
	Draft and final RoF from review of System Test Scripts	6/25/11-7/17/11
	Draft and final RoF from first round review of software build addressing system testing issues	10/17/11-11/22/11
	Draft and final RoF from second round review of software build addressing system testing issues	10/17/11-11/22/11
	Draft and final RoF from first round review of software build addressing UAT issues	12/26/11-1/29/12
	Draft and final RoF from second round review of software build addressing UAT issues	12/26/11-1/29/12
	Draft and final RoF from third round review of software build addressing UAT issues	12/26/11-1/29/12
	Two draft and one final edition of User Acceptance Test Plan	11/29/10-1/6/11
	Draft and final RoF from first round User Acceptance Testing	11/27/11-12/18/11
	Draft and final RoF from second round User Acceptance Testing	11/27/11-12/18/11
	Draft and final RoF from third round User Acceptance Testing	11/27/11-12/18/11
	Draft and final RoF from first round review of training and workshop materials	5/17/11-5/29/11
	Draft and final RoF from second round review of training and workshop materials	5/17/11-5/29/11
	Draft and final RoF from first round review of Computer Based Training modules	1/9/12-1/15/12
	Draft and final RoF from second round review of Computer	1/9/12-1/15/12

	Based Training modules	
ISMP/LVS V1.x (Maintenance)	For each of one routine maintenance release, both draft and final summary reports (in MS Excel format) of all pending CRs, including a brief synopsis and an estimated effort for each CR	See Note on Maintenance Releases above
	Informal (email) reports of findings in response to two spot checks of development contractor compliance with required configuration management and testing procedures, randomly scheduled during maintenance activities	"
	Draft and final reports of Findings (RoF) from review of the development contractor technical approach for CRs within the proposed maintenance release	"
	Draft and final User Acceptance Test (UAT) plans for the maintenance release	"
	Draft and final RoF for first pass code review the maintenance release	"
	Draft and final RoF for second pass code review for the maintenance release	"
	Draft and final RoF from first pass UAT on the maintenance release	"
	Draft and final RoF from second pass UAT on the maintenance release	"
	Draft and final RoF from review of system documentation updates related to the maintenance release	"
	Draft and final RoF from monitoring of Contingency Test	Once
ISMP/WBL		
ISMP/WBL V1.0 (LTS/IPS) (Development)	Status summary (email sufficient) from review of development contractor updates to integrated schedule and IV&V application of NRC schedule updates	Monthly
	Status report (email sufficient) from review of development contractor configuration management and testing practices (including audits of Rational data stores)	Twice monthly at random times
	Draft and final RoF from monitoring of Contingency Test	Once
	Draft and final RoF from first round review of Feature Set 1 software build	8/17/11-8/23/11
	Draft and final RoF from second round review of Feature Set 1 software build	8/17/11-8/23/11
	Draft and final RoF from first round review of Feature Set 2 software build	3/5/12-3/12/12
	Draft and final RoF from second round review of Feature Set 2 software build	3/5/12-3/12/12
	Draft and final RoF from third round review of Feature Set 2 software build	3/5/12-3/12/12
	Draft and final RoF from first round review of software build addressing system testing issues	5/10/11-5/14/11
	Draft and final RoF from second round review of software build addressing system testing issues	5/10/11-5/14/11
	Draft and final RoF from first round review of software build addressing UAT issues	5/21/11-5/24/11
	Draft and final RoF from second round review of software build addressing UAT issues	6/21/11-6/24/11
	Draft and final RoF from third round review of software	6/21/11-6/24/11

	build addressing UAT issues	
	Draft and final RoF from first round User Acceptance Testing	5/17/10-6/3/11
	Draft and final RoF from second round User Acceptance Testing	5/17/10-6/3/11
	Draft and final RoF from third round User Acceptance Testing	5/17/10-6/3/11
	Draft and final RoF from first round review of training and workshop materials	5/17/11-6/29/11
	Draft and final RoF from second round review of and workshop training materials	5/17/11-6/29/11
	Draft and final RoF from first round review of Computer Based Training modules	7/26/11-7/28/11
	Draft and final RoF from second round review of Computer Based Training modules	7/26/11-7/28/11
ISMP/WBL V1.x (Maintenance)	For each of two routine maintenance releases, both draft and final summary reports (in MS Excel format) of all pending CRs, including a brief synopsis and an estimated effort for each CR	See Note on Maintenance Releases above
	Informal (email) reports of findings in response to four spot checks of development contractor compliance with required configuration management and testing procedures, randomly scheduled during maintenance activities	"
	Draft and final reports of Findings (RoF) from review of the development contractor technical approach for CRs within each of two proposed maintenance releases	"
	Draft and final User Acceptance Test (UAT) plans for each of two maintenance releases	"
	Draft and final RoF for first pass code review for each of two maintenance releases	"
	Draft and final RoF for second pass code review for each of two maintenance releases	"
	Draft and final RoF from first pass UAT on each of two maintenance releases	"
	Draft and final RoF from second pass UAT on each of two maintenance releases	"
	Draft and final RoF from review of system documentation updates related to each of two maintenance releases	"
	Draft and final RoF from monitoring of Contingency Test	Once
ISMP/WBL V2.0 (STIMS) (Development)	Status summary (email sufficient) from review of development contractor updates to integrated schedule and IV&V application of NRC schedule updates	Monthly
	Status report (email sufficient) from review of development contractor configuration management and testing practices (including audits of Rational data stores)	Twice monthly at random times
	Draft and final RoF from monitoring of Contingency Test	Once
	Draft and final Report of Findings (RoF) for development contractor Summary of Findings from requirements validation process	(Likely pushed out 5 months based on late WBL V1.0 start)
	Draft and final mark-ups to Word extracts from	12/11/11-12/20/11

	requirements needing edits from validation process	
	Draft and final RoF from review of Quality Assurance Plan	12/8/11-12/18/11
	Draft and final RoF from review of Configuration Management Plan	12/6/11-12/26/11
	Draft and final RoF from review of Project Risk Management Plan	12/11/11-12/22/11
	Draft and final RoF from review of Software Development Plan	12/13/11-12/26/11
	Draft and final RoF from review of Database Design	1/2/12-1/15/12
	Draft and final RoF from general review of User Interface Design (excludes Section 508 compliance)	1/2/12-1/16/12
	Draft and final RoF from review of Section 508 compliance	1/23/12-2/6/12
	Draft and final RoF from review of general software Design Models	1/2/12-1/15/12
	Draft and final RoF from review of System Architecture Document	1/9/12-1/22/12
	Draft and final RoF from review of Deployment Plan	1/16/12-1/30/12
	Draft and final RoF from review of System Test Plan	1/9/12-1/25/12
	Draft and final RoF from review of Security Risk Assessment documentation	12/27/11-1/8/12
	Draft and final RoF from review of System Security Plan	1/2/12-1/12/12
	Draft and final RoF from review of Contingency Plan	1/8/12-1/19/12
	Draft RoF from first round review of Feature Set 1 software build	5/1/12-5/14/12
	Draft RoF from review of System Test Scripts	5/1/12-5/14/12
Legacy Systems		
GLTS Maintenance Releases		
GLTS	For each of two routine maintenance releases, both draft and final summary reports (in MS Excel format) of all pending CRs, including a brief synopsis and an estimated effort for each CR	See Note on Maintenance Releases above
	Informal (email) reports of findings in response to four spot checks of development contractor compliance with required configuration management and testing procedures, randomly scheduled during maintenance activities	"
	Draft and final reports of Findings (RoF) from review of the development contractor technical approach for CRs within each of two proposed maintenance releases	"
	Draft and final User Acceptance Test (UAT) plans for each of two maintenance releases	"
	Draft and final RoF for first pass code review for each of two maintenance releases	"
	Draft and final RoF for second pass code review for each of two maintenance releases	"
	Draft and final RoF from first pass UAT on each of two maintenance releases	"
	Draft and final RoF from second pass UAT on each of two maintenance releases	"
	Draft and final RoF from review of system documentation updates related to each of two maintenance releases	"
	Draft and final RoF from review of Contingency Test Report	Once
LTS 2.0 Maintenance Releases		
LTS V2.x	For each of two routine maintenance releases, both draft and final summary reports (in MS Excel format) of all	See Note on Maintenance

	pending CRs, including a brief synopsis and an estimated effort for each CR	Releases above
	Informal (email) reports of findings in response to four spot checks of development contractor compliance with required configuration management and testing procedures, randomly scheduled during maintenance activities	"
	Draft and final reports of Findings (RoF) from review of the development contractor technical approach for CRs within each of two proposed maintenance releases	"
	Draft and final User Acceptance Test (UAT) plans for each of two maintenance releases	"
	Draft and final RoF for first pass code review for each of two maintenance releases	"
	Draft and final RoF for second pass code review for each of two maintenance releases	"
	Draft and final RoF from first pass UAT on each of two maintenance releases	"
	Draft and final RoF from second pass UAT on each of two maintenance releases	"
	Draft and final RoF from review of system documentation updates related to each of two maintenance releases	"
	Draft and final RoF from monitoring of Contingency Test	Once
NSSDRS Maintenance Releases		
NSSDRS	For one routine maintenance release, both draft and final summary reports (in MS Excel format) of all pending CRs, including a brief synopsis and an estimated effort for each CR	See Note on Maintenance Releases above
	Informal (email) reports of findings in response to two spot checks of development contractor compliance with required configuration management and testing procedures, randomly scheduled during maintenance activities	"
	Draft and final reports of Findings (RoF) from review of the development contractor technical approach for CRs within one proposed maintenance release	"
	Draft and final User Acceptance Test (UAT) plan for one maintenance release	"
	Draft and final RoF for first pass code review for one maintenance release	"
	Draft and final RoF for second pass code review for one maintenance release	"
	Draft and final RoF from first pass UAT on one maintenance release	"
	Draft and final RoF from second pass UAT on one maintenance release	"
	Draft and final RoF from review of system documentation updates related to one maintenance release	"
General Support		
IT Planning Support	Draft and final RoF from two assessments of technologies with potential application to FSME IT requirements.	Date to be determined, but within this period of performance

7.3 Option Period 2 Support Activities (5/15/12 - 5/14/13)

System	Planned Work Requiring IV&V Support	Applicable Base Contract Support Categories
ISMP/General Support of the overall portfolio	During this period, the contractor shall provide ongoing project performance monitoring and related support in satisfying all applicable project status reporting requirements under the NRC Project Management Methodology (PMM) and those of the Office of Management and Budget (OMB). Support will include preparation of monthly OMB Dashboard updates, and periodic updates to artifacts related to OMB Exhibit 300 reporting. OMB reporting is currently managed in ProSight (NRC Primavera implementation).	8.2.1.2 and 8.2.3.1
ISMP/NSTS	During this period, the NSTS will remain operational and the NRC expects to finalize acceptance of the V2.3 release and that two maintenance releases will be delivered (V2.4 and V2.5) and a third will be planned and likely started (V2.6). If the NRC pursues the optional v3.0 major release, the planned version numbers above will be adjusted accordingly.	8.1.2, 8.1.3, 8.2.2.2, 8.2.2.3, 8.2.2.4, 8.2.1.3, 8.2.1.4, 8.2.3, and 8.2.4
ISMP/Enrollment Module V1.x (Maintenance)	This system will be operational with three routine maintenance releases planned.	8.1.2, 8.1.3, 8.2.2.2, 8.2.2.3, 8.2.2.4, 8.2.1.3, 8.2.1.4, 8.2.3, and 8.2.4
ISMP/LVS V1.x (Maintenance)	This system will be operational with three routine maintenance releases planned.	8.1.2, 8.1.3, 8.2.2.2, 8.2.2.3, 8.2.2.4, 8.2.1.3, 8.2.1.4, 8.2.3, and 8.2.4
ISMP/WBL V1.x	During this period, WBL V1.0 will have been deployed so three routine V1.x maintenance releases are planned.	8.2.3.2, 8.2.3.3, 8.2.3.4, 8.2.3.5, 8.2.3.6, 8.2.4, 8.2.4.1, 8.2.4.2, and 8.2.4.3
ISMP/WBL V2.0	Development of the second phased WBL release will be underway with work tracking toward anticipated deployment in November of 2012. The primary goal of this release will be to replace the current TAPIS and BARTO systems, both of which support the NRC Office of Nuclear Material Safety and Safeguards (NMSS).	8.2.1.3, 8.2.1.4, 8.2.2.2, 8.2.2.3, 8.2.2.4, and 8.2.3
Legacy Systems and Other Support		
GLTS	For this stable system, two routine maintenance releases are planned during this period.	8.2.3.2, 8.2.3.3, 8.2.3.4, 8.2.3.5, 8.2.3.6, 8.2.4.1, 8.2.4.2, and 8.2.4.3
NSSDRS	This legacy system has no routine maintenance releases. Maintenance releases are performed only as needed to address emergent issues.	As above
RTS	This legacy system has no routine maintenance releases. Maintenance releases are performed only as needed to address emergent issues.	As above
TAPIS	This legacy system has no routine maintenance releases. Maintenance releases are performed only as needed to	As above

	address emergent issues.	
TAPNM	This legacy system has no routine maintenance releases. Maintenance releases are performed only as needed to address emergent issues.	As above
General Support (incl. IT Planning)	FSME requires periodic support in updating the IT strategic plan as well as assessments of emergent technologies with potential application to FSME IT support requirements.	8.1.1, 8.1.2, 8.1.3, and 8.2.1.4
	Broad support in addressing the introduction of emergent enterprise wide systems, including: 1.) impact assessment; 2.) specification of interfaces to FSME systems; and 3.) advice and support in review of design of interfaces between FSME systems and non-FSME systems.	8.2.1.1, 8.2.2.2, 8.2.2.3, and 8.2.2.4
	Support in reviewing maintenance contractor deliverables related to revision of legacy system documentation to maintain compliance with the NRC PMM methodology. These reviews will be for accuracy, thoroughness, and PMM compliance.	8.2.3.2
	Support to system owner staff in understanding the impact of candidate software change requests as well as in understanding the pros and cons of alternate technical approaches proposed by maintenance contractors.	8.2.2.2, 8.2.2.3, 8.2.2.4, and 8.2.4.2
	Support to FSME IT staff in assessing the impact and applicability of changes to NRC IT policy and non-FSME information systems. These assessments will entail review of documentation and an informal briefing or email assessment.	8.2.2.2, 8.2.2.3, 8.2.2.4, and 8.2.4.2
	Support for impact analysis, gap analysis, requirements definition, requirements validation, and acceptance testing in relation to needs to define and specify interfaces to emergent agency wide systems (generally require informal reporting in the form of briefings or email summaries)	8.2.1.1, 8.2.2.3, 8.2.3.2, 8.2.3.4, and 8.2.4.2
	Support of operational systems for requirements definition, requirements validation, design review, and acceptance testing in relation to contractor products affecting an operational FSME system, but not directly part of the application code (e.g., external data manipulation scripts, custom reports, network appliance scripts, and database stored procedures)	8.2.1.1, 8.2.2.3, 8.2.2.4, 8.2.3.2, 8.2.3.4, and 8.2.4.2

The following table details IV&V contractor deliverables for this period of performance.

All reports shall comply with prevailing NRC formatting standards. Draft and final versions of reports shall be developed and delivered as directed by the Technical Monitor. All reports and other deliverables shall be delivered prior to the end of this period of performance.

Estimated dates below are based on schedules proposed by development contractors. While the NRC has not determined new dates, work under the Enrollment Module, WBL, and LVS has been delayed. The NRC expects that dates for the Enrollment Module will be about 30 days later than reflected below while LVS and WBL dates will be about 60 days later than reflected below.

System	Deliverable	Estimated dates
ISMP/General	Updates to the OMB Exhibit 300 project data for the ISMP	Monthly

	investment and any related systems	
	For two separate update cycles, draft and final updates of all required artifacts attached to the OMB Exhibit 300 investment record for the ISMP and related systems. These documents include the following: <ul style="list-style-type: none"> • Alternative Analysis • Risk management Plan • Risk register • Quality Assurance Plan • Configuration Management Plan • Security Documentation 	
ISMP/NSTS		
ISMP/NSTS	For each of three routine maintenance releases, both draft and final summary reports (in MS Excel format) of all pending CRs, including a brief synopsis and an estimated effort for each CR	See Note on Maintenance Releases above
	Informal (email) reports of findings in response to six spot checks of development contractor compliance with required configuration management and testing procedures, randomly scheduled during maintenance activities	"
	Draft and final reports of Findings (RoF) from review of the development contractor technical approach for CRs within each of three proposed maintenance releases	"
	Draft and final User Acceptance Test (UAT) plans for each of three maintenance releases	"
	Draft and final RoF for first pass code review for each of three maintenance releases	"
	Draft and final RoF for second pass code review for each of three maintenance releases	"
	Draft and final RoF from first pass UAT on each of three maintenance releases	"
	Draft and final RoF from second pass UAT on each of three maintenance releases	"
	Draft and final RoF from review of system documentation updates related to each of three maintenance releases	"
ISMP/Enrollment Module		
ISMP/Enrollment Module V1.x (Maintenance)	For each of three routine maintenance releases, both draft and final summary reports (in MS Excel format) of all pending CRs, including a brief synopsis and an estimated effort for each CR	See Note on Maintenance Releases above
	Informal (email) reports of findings in response to four spot checks of development contractor compliance with required configuration management and testing procedures, randomly scheduled during maintenance activities	"
	Draft and final reports of Findings (RoF) from review of the development contractor technical approach for CRs within each of three proposed maintenance releases	"
	Draft and final User Acceptance Test (UAT) plans for each of three maintenance releases	"
	Draft and final RoF for first pass code review for each of three maintenance releases	"
	Draft and final RoF for second pass code review for each of three maintenance releases	"
	Draft and final RoF from first pass UAT on each of three	"

	maintenance releases	
	Draft and final RoF from second pass UAT on each of three maintenance releases	"
	Draft and final RoF from review of system documentation updates related to each of three maintenance releases	"
ISMP/LVS		
ISMP/LVS V1.x (Maintenance)	For each of three routine maintenance releases, both draft and final summary reports (in MS Excel format) of all pending CRs, including a brief synopsis and an estimated effort for each CR	See Note on Maintenance Releases above
	Informal (email) reports of findings in response to four spot checks of development contractor compliance with required configuration management and testing procedures, randomly scheduled during maintenance activities	"
	Draft and final reports of Findings (RoF) from review of the development contractor technical approach for CRs within each of three proposed maintenance releases	"
	Draft and final User Acceptance Test (UAT) plans for each of three maintenance releases	"
	Draft and final RoF for first pass code review for each of three maintenance releases	"
	Draft and final RoF for second pass code review for each of three maintenance releases	"
	Draft and final RoF from first pass UAT on each of three maintenance releases	"
	Draft and final RoF from second pass UAT on each of three maintenance releases	"
	Draft and final RoF from review of system documentation updates related to each of three maintenance releases	"
ISMP/WBL		
ISMP/WBL V1.x	For each of three routine maintenance releases, both draft and final summary reports (in MS Excel format) of all pending CRs, including a brief synopsis and an estimated effort for each CR	See Note on Maintenance Releases above
	Informal (email) reports of findings in response to six spot checks of development contractor compliance with required configuration management and testing procedures, randomly scheduled during maintenance activities	"
	Draft and final reports of Findings (RoF) from review of the development contractor technical approach for CRs within each of three proposed maintenance releases	"
	Draft and final User Acceptance Test (UAT) plans for each of three maintenance releases	"
	Draft and final RoF for first pass code review for each of three maintenance releases	"
	Draft and final RoF for second pass code review for each of three maintenance releases	"
	Draft and final RoF from first pass UAT on each of three maintenance releases	"
	Draft and final RoF from second pass UAT on each of three maintenance releases	"
	Draft and final RoF from review of system documentation updates related to each of three maintenance releases	"
	Draft and final RoF from monitoring of Contingency Test	Once

ISMP/WBL V2.0 (STIMS) (Development)	Status summary (email sufficient) from review of development contractor updates to integrated schedule and IV&V application of NRC schedule updates	Monthly
	Status report (email sufficient) from review of development contractor configuration management and testing practices (including audits of Rational data stores)	Twice monthly at random times
	Draft and final RoF from monitoring of Contingency Test	Once
	Final RoF from first round review of Feature Set 1 software build	5/15/12-6/3/12
	Draft and final RoF from second round review of Feature Set 1 software build	6/10/12-6/14/12
	Final RoF from review of System Test Scripts	5/25/12-6/14/12
	Draft and final RoF from first round review of Feature Set 1 software build	5/19/12-6/3/12
	Draft and final RoF from second round review of Feature Set 1 software build	5/19/12-6/3/12
	Draft and final RoF from first round review of Feature Set 2 software build	8/5/12-1/21/13
	Draft and final RoF from second round review of Feature Set 2 software build	8/5/12-1/21/13
	Draft and final RoF from third round review of Feature Set 2 software build	8/5/12-1/21/13
	Draft and final RoF from review of System Test Scripts	5/15/12-6/14/12
	Draft and final RoF from first round review of software build addressing system testing issues	10/10/12-10/14/12
	Draft and final RoF from second round review of software build addressing system testing issues	10/10/12-10/14/12
	Draft and final RoF from first round review of software build addressing UAT issues	11/19/12-11/22/12
	Draft and final RoF from second round review of software build addressing UAT issues	11/19/12-11/22/12
	Draft and final RoF from first round User Acceptance Testing	10/15/12-10/31/12
	Draft and final RoF from second round User Acceptance Testing	10/15/12-10/31/12
	Draft and final RoF from third round User Acceptance Testing	10/15/12-10/31/12
Legacy Systems		
GLTS Maintenance Releases		
GLTS	For each of two routine maintenance releases, both draft and final summary reports (in MS Excel format) of all pending CRs, including a brief synopsis and an estimated effort for each CR	See Note on Maintenance Releases above
	Informal (email) reports of findings in response to four spot checks of development contractor compliance with required configuration management and testing procedures, randomly scheduled during maintenance activities	"
	Draft and final reports of Findings (RoF) from review of the development contractor technical approach for CRs within each of two proposed maintenance releases	"
	Draft and final User Acceptance Test (UAT) plans for each of two maintenance releases	"
	Draft and final RoF for first pass code review for each of	"

	two maintenance releases	
	Draft and final RoF for second pass code review for each of two maintenance releases	"
	Draft and final RoF from first pass UAT on each of two maintenance releases	"
	Draft and final RoF from second pass UAT on each of two maintenance releases	"
	Draft and final RoF from review of system documentation updates related to each of two maintenance releases	"
NSSDRS Maintenance Releases		
NSSDRS	For one routine maintenance release, both draft and final summary reports (in MS Excel format) of all pending CRs, including a brief synopsis and an estimated effort for each CR	See Note on Maintenance Releases above.
	Informal (email) reports of findings in response to two spot checks of development contractor compliance with required configuration management and testing procedures, randomly scheduled during maintenance activities	"
	Draft and final reports of Findings (RoF) from review of the development contractor technical approach for CRs within one proposed maintenance release	"
	Draft and final User Acceptance Test (UAT) plan for one maintenance release	"
	Draft and final RoF for first pass code review for one maintenance release	"
	Draft and final RoF for second pass code review for one maintenance release	"
	Draft and final RoF from first pass UAT on one maintenance release	"
	Draft and final RoF from second pass UAT on one maintenance release	"
	Draft and final RoF from review of system documentation updates related to one maintenance release	"
General Support		
	Draft and final RoF from two assessments of technologies with potential application to FSME IT requirements.	Date to be determined, but within this period of performance

Glossary

BARTO	NMSS information system, supporting the transportation of nuclear materials. Developed by staff member Andrew Barto.
CCB	Change Control Board or Configuration Control Board.
FSME	Office of Federal and State Materials and Environmental Management Programs
GLTS	General License Tracking System
ISMP	Integrated Source Management Portfolio
LVS	License Verification System
NMSS	Office of Nuclear Material Safety and Safeguards
NSSDRS	National Sealed Source and Device Registry System
NSTS	National Source Tracking System
TAPIS	Transportation Approval Package Information System