

ORDER FOR SUPPLIES OR SERVICES

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

BPA NO.

1. DATE OF ORDER FEB 09 2011		2. CONTRACT NO. (if any) GS35F0153M		6. SHIP TO:	
3. ORDER NO. NRC-DR-33-08-307T009		MODIFICATION NO.		4. REQUISITION/REFERENCE NO. OIS-11-089	
5. ISSUING OFFICE (Address correspondence to) U.S. Nuclear Regulatory Commission Division of Contracts ATTN: Michael Turner Mail Stop: TWB-01-B10M Washington, DC 20555				a. NAME OF CONSIGNEE U.S. Nuclear Regulatory Commission	
				b. STREET ADDRESS OIS/ICOD ATTN: Helen Hughes Mail Stop: T-5-D-14	
c. CITY Washington		d. STATE DC		e. ZIP CODE 20555	
7. TO:				f. SHIP VIA	
a. NAME OF CONTRACTOR EMERGENT, LLC				B. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE	
c. STREET ADDRESS 8133 LEESBURG PIKE STE 450				<input checked="" type="checkbox"/> b. DELIVERY	
d. CITY VIENNA		e. STATE VA		f. ZIP CODE 221822622	
9. ACCOUNTING AND APPROPRIATION DATA B&R No. 2011-10-51-J-144 Job Code No.: J1298 BOC No. 252A APPN No.: 31X0200.011 FFS Commitment No.: 110630 Obligation: \$47,000.00 DUNS No. 781797712 NAICS: 443120				10. REQUISITIONING OFFICE OIS Office of Information Services	
11. BUSINESS CLASSIFICATION (Check appropriate box(es))				12. F.O.B. POINT Destination	
<input checked="" type="checkbox"/> a. SMALL		<input type="checkbox"/> b. OTHER THAN SMALL		<input type="checkbox"/> c. DISADVANTAGED	
<input type="checkbox"/> d. WOMEN-OWNED		<input type="checkbox"/> e. HUBZone		<input type="checkbox"/> f. EMERGING SMALL BUSINESS	
<input type="checkbox"/> g. SERVICE-DISABLED VETERAN-OWNED					
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) See Attached SOW	
a. INSPECTION		b. ACCEPTANCE		16. DISCOUNT TERMS Net 30	

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	<p>Task Order No. 09 under Delivery Order No. NRC-DR-33-08-307</p> <p>The Contractor shall provide the U.S. Nuclear Regulatory Commission (NRC) with Managed Public Key Infrastructure Support Services in accordance with the attached Statement of Work, the terms and conditions of GSA Federal Supply Schedule Contract No. GS35F0153M, and applicable clauses under Delivery Order No. NRC-DR-33-07-307.</p> <p>Reference is made to Emergent LLC's proposal dated January 14, 2011.</p> <p>See attached pages for details of Task Order No. 09.</p>					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.	\$51,132.30	17(h) TOTAL (Cont. pages)	
	21. MAIL INVOICE TO:					
	a. NAME Dept. of Interior/National Business Ctr. e-mail address: NRCPayments@nbc.gov				\$51,132.30	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		

22. UNITED STATES OF AMERICA
BY (Signature)

Michael A. Turner

23. NAME (Typed)
Michael A. Turner,
Contracting Officer
TITLE: CONTRACTING/ORDERING OFFICER

TEMPLATE - ADMIN

SUNSI REVIEW COMPLETE

FEB 15 2011

DMOD

In accordance with the Section B.3.20, Task Order Procedures, of the subject delivery order, this letter hereby definitizes Task Order No. 9. This effort shall be performed in accordance with the enclosed Statement of Work. Task Order No. 9 shall be in effect from February 9, 2011 through June, 22, 2011. The total cost ceiling for Task Order No.9 is **\$51,132.30**. The term of this task order may be extended at the option of the Government through December 30, 2011, pursuant with Section C.3, Option to Extend the term of the Contract.

Task Order No. 9 obligates funds in the amount of **\$47,000.00**. The obligated amount shall, at no time, exceed the task order cost ceiling. When and if the amount(s) paid and payable to the Contractor hereunder shall equal the obligated amount, contractor is not obligated to continue performance under this task order or otherwise incur costs in excess of the amount obligated, until the Contracting Officer notifies the contractor in writing that the obligated amount has been increased. In absence of such notification by the Contracting Officer, the Government is not obligated to reimburse the contractor for any costs in excess of the obligated amount specified herein. Any work undertaken by the Contractor in excess of the obligated amount specified above is done so at the Contractor's risk.

Schedule of Supplies/Services:

<u>CLIN/Labor Category</u>	<u>Period of Performance</u>	<u>Estimated Hours</u>	<u>Labor Rate</u>	<u>Estimated Amount</u>
CLIN 30/Principal Engineer	02/09/11 - 06/22/11	[REDACTED]	\$304.22	\$ 48,659.00
CLIN 30/Sr. Principal	02/09/11 - 06/22/11	[REDACTED]	[REDACTED]	[REDACTED]
Estimated Amount:				\$ 51,132.30
CLIN 40/Principal Engineer	06/23/11 - 12/30/11	[REDACTED]	[REDACTED]	\$ [REDACTED]
CLIN 40/Sr. Principal	06/23/11 - 12/30/11	[REDACTED]	\$242.40	\$ [REDACTED]
Estimated Amount:				\$ 52,666.20
TOTAL ESTIMATED AMOUNT:				\$103,798.50

The following individual is considered to be essential to the successful performance of the work hereunder:

- [REDACTED]
- [REDACTED]

The Contractor agrees that such personnel shall not be removed from the effort under the task order without compliance with the Key Personnel Clause (2052.215-70).

Delivery Order No. NRC-DR-33-08-307

Task Order No. 9
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Your contacts during the course of this task are:

- Technical Matters: Helen Hughes - Project Officer - (301) 415-8708
Eric Brusoe - Alternate Project Officer - (301) 415-5053
Roger Swiger - Task Manager - (301) 415-7553
James Peyton - Alternate Task Manager - (301) 415-7819
- Contractual Matters: Michael Turner - Contracting Officer (301) 492-3632

The issuance of this task order does not amend any terms or conditions of the subject contract.

Please indicate your acceptance of this task order by having an official who is authorized to bind your organization, sign in the spaces provided below.

ACCEPTED:

Paul D. Kohlen
NAME

Executive Vice President
TITLE

2-9-2011
DATE

**U.S. Nuclear Regulatory Commission (NRC)
Office of Information Services (OIS)**

DELIVERY ORDER NRC-DR-33-08-307

**STATEMENT OF WORK
TASK ORDER #09**

"Implementation of High Availability for MPKI"

Under

**NRC Managed Public Key Infrastructure (MPKI) Digital Certificates for Subscribers
(Delivery Order No.: NRC-DR-33-08-307)**

A. Background

The Office of Information Services (OIS), Infrastructure & Computer Operations Division (ICOD) has implemented the authentication and credentialing services (ACS) infrastructure. The current services being offered are credentialing external users with medium hardware certificates and credentialing internal customers with HSPD-12 credentials. Internal/external systems have been stood up in the last 2 years. We also use credentials from two legacy systems – i.e. broadband remote access (BRD) and MPKI-lite.

These systems all have hardware that needs updating to keep the systems operating with current and supported hardware. Additionally, these systems are not currently designed for high availability (HA) and require major software enhancements. Since several of these systems are important to ensuring that the agency can continue completing its mission, they need to have a reliable (HA) configuration to ensure a seamless continuity of services. The required activities are to be performed under the MPKI contract, specifically the MPKI Support Services function. This task order identifies required activities and how they will be requested and approved, and it identifies required deliverables and a deliverable schedule.

B. Scope

The scope of this task order is limited to work to be performed in support of on-going activities related to MPKI. Specifically, this task order defines the work to be performed to migrate the current ACS hardware to an updated hardware configuration and ensuring that HA is achieved. This work will include architecture, testing, implementation to include a period of post-implementation transition support, and the support needed for a successful hand off to the NRC operational team.

This Statement of Work (SOW) defines the level of effort to be expended on tasks such as working with NRC staff to harden the new servers and applying the application to the servers, testing the new servers to insure the ACS will operate successfully before being placed in the NRC production environment (POE), updating the as-built documentation, security and certification and accreditation documentation where needed, developing a communication plan, development and testing of an effective back-out plan, and the development of required training materials.

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C. Statement of Work

The work to be performed shall include the following tasks:

1) Preparing Servers in CTF

The contractor shall provide support to the NRC for hardening the servers and installing application software. After the servers are completed they will need to be set-up in the CTF as they will be in the POE. This set-up will be used for user acceptance testing (UAT). Required activities include:

- Analyze architectural designs of current environments and identify requirements and resources necessary to support a successful implementation into the POE.
- Provide direct assistance in anticipating potential implementation risks and defining mitigation techniques.

2) Documentation

The contractor shall provide update design documentation. Required activities include:

- The contractor shall provide documentation and/or support for developing the as-built documentation.
- The contractor shall provide support in updating security documentation including existing certification & accreditation (C&A) documentation needed for the hardware and HA implementation in the POE.
- The contractor shall develop a communication plan that follows the NRC template.
http://www.internal.nrc.gov/communications/comm_tools/guidance.html
- The contractor shall support in the development of all the necessary documentation needed for the operational readiness review.

3) Change Management

The contractor must ensure adherence to Agency Change Management (CM) requirements that are tracked and managed rational change management suite. Required activities include:

- Manage changes through the NRC integrated Change Control Process including the use of Rational Suite to be used for system change requests (CR).
- Manage the Technical Change Request Process (TCR) for any changes that affect the NRC infrastructure.
- Manage the Configuration Management Process for baselined items within the ACS system.

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Office of Information Services (OIS)**

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4) Implementation Support

The contractor shall provide HA support to the NRC for the successful deployment and implementation of the updated systems in the POE, to include the successful execution of a back-out plan if required by the NRC. Required activities will include:

- Impact analysis of deploying new code
- Implementation planning and support of revised HA software
- Analysis of issues and guidance on their resolution

5) Operational Support

The contractor shall provide ad-hoc operational and quality assurance related support to business/system owners to address any operational requirements or issues that arise. Required activities will include:

- The provision of technical guidance to system owners as it relates to HA
- Troubleshooting and operational validation with regard to proper implementation of services in accordance with industry best practices.

6) Requests for Services:

Requests shall be recorded and tracked throughout their lifecycle within the Rational software suite. Required activities include:

- i. The NRC TOM shall issue requests via Rational.
- ii. The Contractor shall document all requests, noting the originator and action requested.
- iii. The Contractor shall provide an assessment of the effort needed to complete the request and forward it to the NRC TOM.
- iv. The NRC TOM shall review the Contractor's assessment and respond to the Contractor.
- v. A copy of the completed request shall be sent to the NRC TOM VIA rational.

D. Schedule of Deliverables

<u>Deliverable</u>	<u>Responsibility</u>	<u>Delivery Schedule</u>
Proposed As-built documentation (Para 2)	Contractor	Two weeks prior to deployment in the POE.

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Security and C&A documentation	Contractor	Within 25 workdays after deployment in the POE
Draft Communications Plan	Contractor	Within 15 workdays of signing the TO.
Deployment of updated HA solution In the POE	Contractor	As required and to be completed 1 month prior to the end of the stated period of performance
Readiness review documentation	Contractor	Within 10 workdays after deployment and UAT testing of solution in the POE
Post-implementation Support	Contractor	As required but to be provided upon deployment to POE, and until the end of the stated period of performance

E. Place of Performance

The implementation of work related to this SOW will be performed at the NRC's Headquarters office located in Rockville, MD.

F. Expertise/Skills

The Contractor shall provide skilled personnel with the following experience:

1. Excellent communications and interpersonal skills.
2. Competency in writing and preparation of project presentation materials, as demonstrated by prior assignments
3. Experience with technical project planning, execution, testing and implementation across multiple platforms.
4. Experience with using Sharepoint, Crystal Reports and MS Office softwares including MS Project.
5. Understanding of hardware and HA implementations.

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6. Strong, demonstrated familiarity with Intercede MyID application server
7. Strong, demonstrated familiarity with Sun Identity Manager (IdM)
8. Demonstrated ability to understand digital certificates used by multiple platforms.
9. Able to work with multiple contractors and their staff to accomplish a project.

G. Reporting Requirements

The Contractor shall provide a monthly Technical Progress Report in accordance with the provisions of Section B.3.11 of the Delivery Order Statement of Work. As explained in Section B.3.11, the Technical Progress Report shall be broken down by each item in this task order. The Report shall be submitted in electronic form to the Contracting Officer and Project Officer.

H. Task Order Manager

The manager for this task order is Roger Swiger, (301) 415-7553. The alternate task order manager is James Peyton, (301) 415-7819.

The Technical Monitor may issue technical instructions from time to time during the duration of this task order. Technical instructions must be within the general statement of work stated in the task order and shall not constitute new assignments of work or changes of such nature as to justify an adjustment in cost or period performance. The Contractor shall refer to Subsection B.3.13, entitled Project Officer Authority, for further information and guidance on any technical direction issued under this task order. Any modification to the scope-of-work, cost or period of performance of this task order must be issued by the Contracting Officer and will be coordinated with the Project Officer."

I. Period of Performance

The period of performance for this task order is 02/09/2011-06/22/2011, and may be extended in accordance with subsection C.3 of the basic contract. In the event that Option 3 of the Base Contract is exercised a new modification will be prepared to add additional funding to cover the period from 06/23/2011-12/30/2011.

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Office of Information Services (OIS)**

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J. Meetings and Travel

For estimating purposes, the Government anticipates 3 meetings weekly for a total of 5 hours per week at NRC headquarters offices in Rockville, Maryland.

K. Level of effort

The anticipated level of effort for this task order is 452 total hours as follows: 226 hours for the task order base period of 02/09/2011-6/22/2011, and 226 hours for the option period 06/23/2011-12/31/2011. The task order contains an overall cost ceiling as reflected under the schedule of supplies/services.