ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF PAGES 3

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
3. ORDER NO.: NRC-DR-33-08-307T011
MODIFICATION NO.:
4. REQUISITION/REFERENCE NO.: OIS-11-090

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

6. SHIP TO:
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:
a. NAME OF CONTRACTOR: EMERGENT, LLC
b. COMPANY NAME:
c. STREET ADDRESS: 8133 LEESBURG PIKE STE 450
d. CITY: VIENNA
e. STATE: VA
f. ZIP CODE: 221822622

f. SHIP VIA:

8. TYPE OF ORDER
[ ] 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.
[X] 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.

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.: 110638
Obligation: $194,000.00 DUNS No. 781797712 NAICS: 443120

10. REQUISITIONING OFFICE: OIS
Office of Information Services

11. BUSINESS CLASSIFICATION (Check appropriate box(es))
[X] a. SMALL [ ] b. OTHER THAN SMALL [ ] c. DISADVANTAGED [ ] g. SERVICE-DISABLED VETERAN-OWNED
[ ] d. WOMEN-OWNED [ ] e. HUBZone [ ] f. EMERGING SMALLBUSINESS

12. F.O.B. POINT: Destination

13. PLACE OF
a. INSPECTION
b. ACCEPTANCE

14. GOVERNMENT B/L NO.

15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date): See Attached SOW

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)
	Task Order No. 11 under Delivery Order No. NRC-DR-33-08-307 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. Reference is made to Emergent LLC's proposal dated January 25, 2011. See attached pages for details of Task Order No. 11.					

18. SHIPPING POINT
19. GROSS SHIPPING WEIGHT
20. INVOICE NO.

17(h) TOTAL (Cont. pages): $199,748.01

21. MAIL INVOICE TO:
a. NAME: Dept.of Interior/National Business Ctr.
e-mail address: NRCPayments@nbc.gov
b. STREET ADDRESS (or P.O. Box): ATTN: Fiscal Services Branch - D2770
7301 W. Mansfield Avenue
c. CITY: Denver,
d. STATE: CO
e. ZIP CODE: 80235-2230

SEE BILLING INSTRUCTIONS ON REVERSE

17(i). GRAND TOTAL: $199,748.01

22. UNITED STATES OF AMERICA BY (Signature): Michael A. Turner

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

TEMPLATE - ADM002

SUNSI REVIEW COMPLETE FEB 15 2011

ADM002

In accordance with the Section B.3.20, Task Order Procedures, of the subject delivery order, this letter hereby definitizes Task Order No. 11. This effort shall be performed in accordance with the enclosed Statement of Work. Task Order No. 11 shall be in effect from February 9, 2011 through June, 22, 2011. The total cost ceiling for Task Order No.11 is **$199,748.01**. 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. 11 obligates funds in the amount of **$194,000.00**. 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:

CLIN/Labor Category	Period of Performance	Estimated Hours	Labor Rate	Estimated Amount
CLIN 30/Principal Engineer	02/09/11 - 06/22/11	[redacted]	[redacted]	[redacted]
CLIN 30/Sr. Principal	02/09/11 - 06/22/11	[redacted]	[redacted]	[redacted]
Estimated Amount:				[redacted]
CLIN 40/Principal Engineer	06/23/11 – 12/30/11	[redacted]	[redacted]	[redacted]
CLIN 40/Sr. Principal	06/23/11 – 12/30/11	[redacted]	[redacted]	[redacted]
Estimated Amount:				**$241,346.90**

TOTAL ESTIMATED AMOUNT: **$441,094.91**

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

- [redacted]er

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).

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 provides below.

ACCEPTED:

Paul D. Kohlin

NAME

Executive Vice President

TITLE

2-18-2011

DATE

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

DELIVERY ORDER NRC-DR-33-08-307

STATEMENT OF WORK
TASK ORDER #11

"Identity, Credential and Access Management (ICAM)"

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) seeks to effect the necessary changes in order to align with the government's Identity Management requirements and activities. ICAM, established by the Information Security and Identity Management Committee (ISIMC), states its mission as: "Fostering effective government-wide identity and access management, enabling trust in online transactions through common identity and access management policies and approaches, aligning federal agencies around common identity and access management practices, reducing the identity and access management burden for individual agencies by fostering common interoperable approaches, ensuring alignment across all identity and access management activities that cross individual agency boundaries, and collaborating with external identity management activities through inter-federation to enhance interoperability."

In order to meet the needs defined by ICAM, the NRC must define, assess and implement necessary processes and technologies to comply with the architectural requirements. The Federal ICAM segment architecture provides Federal agencies with a consistent approach for managing the vetting and credentialing of individuals requiring access to Federal information systems and facilities. The ICAM segment architecture will serve as an important tool for providing awareness to external mission partners and drive the development and implementation of interoperable solutions.

Identity, Credential, and Access Management (ICAM) efforts within the Federal Government are a key enabler for addressing the nation's cyber security need. The ICAM segment architecture establishes the foundation for trust and interoperability in conducting electronic transactions both within the Federal Government and with external organizations. It allows government entities to provision the capabilities needed to identify, authenticate, and authorize individuals in order to provide appropriate access to resources in a standardized and interoperable manner. This will enable Federal agencies to offer a broad array of electronic services in a safe, reliable and sustainable manner to a variety of constituencies.

The NRC activities required to support this effort 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, and additional task orders put forth under the basic MPKI contract. This work will include project management, business modeling, requirements gathering, analysis and architecture design, environments, security, construction, testing, implementation 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 developing and updating the as-built documentation, training NRC identified support personnel, developing or updating security, certification and accreditation documentation, performing the tasks needed to implement required changes, performing tasks to prepare for the operational readiness review, development and testing of an effective back-out plan,.

C. Statement of Work

The work to be performed shall include the following tasks:

1) Project Management Tasks

The contractor shall:

- Comply with the Project Management Methodology (PMM)
- Implement and comply with the ACS Configuration Management Plan
- Implement and comply with the ISS Quality Management Plan
- Implement and comply with the ACS Communications Management Plan
- Develop and implement a communications strategy to prepare stakeholders for changes to their environment
- Develop and implement a risk management strategy
- Comply with the Technical Change Request (TCR) process
- Define roles and responsibilities
- Develop and maintain a project schedule
- Develop a Transition Strategy

2) Business Modeling Tasks

The contractor shall:

- Develop an As-Is Business Model. To this end, the Contractor shall provide an updated System Architecture Document (SAD) of existing systems]
- Develop a To-Be Business Model To this end, the Contractor shall provide a System Architecture Document (SAD) of the proposed system
- Consolidate the PACS and LACS provisioning processes through use of the existing HSPD-12 system
- Implement and deliver smart card storage of expired encryption certificates
- Develop and implement a process for provisioning smart cards in Active Directory
- Standardize the PIV credentials in such a way that it enables the NRC to reduce or eliminate the creation and issuance of separate soft certificates to Federal Executive Agency users
- Enable the NRC to use the PIV credentials for internal physical user access to NRC facilities
- Enable the NRC to use the PIV credentials for internal logical user access to NRC networks
- Design the To-Be Business Model to allow the ability to use encryption for data at rest
- Design the To-Be Business Model to allow the ability to use encryption for data in motion
- Design the To-Be Business Model to allow the ability to use digital signatures
- Facilitate the use of PKI authentication technology
- Design the To-Be Business Model to allow the deliver key recovery functionality for data encryption with lost digital credentials
- Design the To-Be Business Model to allow the deliver key recovery functionality for data encryption with expired digital credentials
- Design the To-Be Business Model to allow the NRC to accept PIV cards from other Executive Branch Agencies for authentication
- Design the To-Be Business Model to allow the NRC to accept third party credentials for authentication
- Design the To-Be Business Model to allow the NRC the ability to exchange attribute information with internal organizations
- Design the To-Be Business Model to allow the ability to exchange attribute information with external organizations
- Centralize provisioning and workflow management for both logical and physical access
- Design the To-Be Business Model to allow the ability to manage externally issued credentials

3) Requirements Tasks

The contractor shall:

- Identify and list the stakeholders
- Gather stakeholder requirements

4) Analysis Design Tasks

The contractor shall:

- Develop an As-is Technical Architecture Model
- Develop a To-be Technical Architecture Model

5) Construction Tasks

The contractor shall:

- Implement and deliver smart card functionality at every agency Windows XP and Windows 7 workstation; for the purposes of this task order, the domain of workstations includes those desktops and laptops that are located at, an NRC facility within the five regions
- Design the To-Be Business Model to allow the ability to perform key recovery of lost encryption credentials
- Design the To-Be Business Model to allow the ability to perform key recovery of expired encryption credentials

6) Testing Tasks

The contractor shall:

- Develop and implement a test strategy
- Implement and comply with the ACS Test Management Plan
- Define the acceptance criteria
- Develop and maintain test cases for UAT testing
- Perform system operational tests

7) Deployment Tasks

The contractor shall:

- Conduct operational readiness review
- Develop training curriculum and training materials targeting users, CSC, and System Administrators
- Give instructor-led Functional Training
- Give instructor-led Technical Training
- Develop a roadmap for the rollout
- Develop installation procedures
- Develop usage procedures
- Develop operational procedures
- Develop helpdesk troubleshooting procedures

8) Environment Tasks

The contractor shall work with the seat contractor who is responsible for the following:

- Distribute and deploy smart card readers to every workstation
- Install drivers in every workstation
- Deploy middleware to every workstation
- Install the UAT release in the CTF environment
- Install the production release in the POE environment
- Provide level 3 support of the implementation after the initial launch date

9) Security Tasks

The contractor shall:

- Update required Security Documents as directed by the Project Officer (see Deliverables table)

10) Architecture Support

The contractor shall provide support to the NRC and their contractors for implementing the architecture needed for updating the technology and software components. Required activities include:

- Analyze architectural designs of current environments and identify requirements and resources necessary to support a successful implementation.

- Provide direct assistance in anticipating potential implementation risks and defining mitigation techniques.

11) Documentation

The contractor shall provide documentation and/or update existing 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.
- 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.

12) Change Management

The contractor shall ensure adherence to Agency Change Management (CM) requirements. 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.

13) Implementation Support

The contractor shall provide support to the NRC in updating the technology and software components, to include the successful execution of a back-out plan if required by the NRC. Required activities will include:

- Impact analysis
- Implementation planning and support
- Analysis of issues and guidance on resolution

14) Operational Support

The contractor shall provide to business/system owners ad-hoc support related to the implementation and integration with digital credentials to address any operational requirements or issues that arise for new or legacy applications. Required activities will include:

- The provision of technical guidance
- Troubleshooting and operational validation with regard to proper integration and implementation of digital credentials in accordance with industry best practices.
- Support relevant applications to accept PIV cards from other Executive Branch Agencies

15) 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 the CR process to the contractor.
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 tracked through the CR process.

D. Schedule of Deliverables

Associated Tasks	Deliverable	Delivery Schedule
Project Management	Communications Plan	90 Days from TO award
	Risk Management Plan	30 Days from TO award
	Risk Matrix	30 Days from TO award
	Roles and Responsibilities Matrix	30 Days from TO award
	Project Schedule	30 Days from TO award
Business Modeling	As-is Business Model	60 Days from TO award
	To-be Business Model	90 Days from TO award
	PIV Enrollment Process Assessment	60 Days from TO award
Requirements	Requirements Specifications	30 Days from TO award

Associated Tasks	Deliverable	Delivery Schedule
Analysis Design	As-is Technical Architecture Model	60 Days from TO award
	To-be Technical Architecture Model	90 Days from TO award
Construction	Functional Capabilities	150 Days from TO award
Testing	Test Management Plan	150 Days from TO award
	UAT Test Plans	150 Days from TO award
	Test Result Summary	150 Days from TO award
Deployment	Readiness Review Report	150 Days from TO award
	Deployment Plan	150 Days from TO award
	Installation Guide	150 Days from TO award
	User Guide	150 Days from TO award
	Operations Guide	150 Days from TO award
	Troubleshooting Booklet	150 Days from TO award
Security Documents	Contingency Plan	150 Days from TO award
	Security Risk Assessment	150 Days from TO award
	System Security Plan	150 Days from TO award
	Security Categorization Package	150 Days from TO award
	Security Certification Package	150 Days from TO award
	Security Test and Evaluation Plan	150 Days from TO award
	Request for Accreditation	150 Days from TO award

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. 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.

G. 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.

H. 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.

I. Meetings and Travel

For estimating purposes, the Government anticipates 3 meetings weekly in duration of 5 hours at NRC headquarters offices in Rockville, Maryland.

J. Level of effort

The anticipated level of effort for this task order is 1,934 total hours as follows: 890 hours for the task order base period of 02/09/2011 through 06/22/2011, and 1,044 hours for the option period 06/23/2011-12/30/2011. The task order contains an overall cost ceiling as reflected under the schedule of supplies/services.