

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 9	
2. AMENDMENT/MODIFICATION NO. M0014		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. OCIO-16-0134	
5. PROJECT NO. (If applicable)		6. ISSUED BY US NRC - HQ ACQUISITION MANAGEMENT DIVISION MAIL STOP 3WFN-05-C64MP WASHINGTON DC 20555-0001		7. ADMINISTERED BY (If other than Item 6) US NRC - HQ ACQUISITION MANAGEMENT DIVISION MAIL STOP 3WFN-05-C64MP ATTN CAROL GREENWOOD - 301-287-0882 WASHINGTON DC 20555-0001	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ERNST YOUNG LLP 1101 NEW YORK AVENUE NW WASHINGTON DC 200054213		9A. AMENDMENT OF SOLICITATION NO.		9B. DATED (SEE ITEM 11)	
CODE 095347159 FACILITY CODE		X 10A. MODIFICATION OF CONTRACT/ORDER NO. GS23F9794H NRC-HQ-12-F-10-0003		10B. DATED (SEE ITEM 13) 09/26/2012	

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required) Net Increase: \$100,000.00  
See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) 52.217-9 Option to Extend the Term of the Contract; 52.243-1 Changes

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

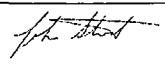

The purpose of this modification is to:

- Exercise option year 4 of this contract, therefore extending the period of performance until 09/27/2017 and increase the Exercised ceiling amount by \$793,144.36 to \$3,983,098.46.
- Add incremental funds in the amount of \$100,000.00, therefore increasing the obligated amount from \$2,203,000.00 to \$2,303,000.00.
- Change the COR from April Bucher to Jennifer Kuk. Jennifer's email is Jennifer.Kuk@nrc.gov and her phone number is 301-415-7015.
- Add additional in scope work to the contract (see additional pages).

LIST OF CHANGES:  
Reason for Modification : Additional Work

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) John Short, Authorized Signatory		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) DANIEL APP	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 5/16/16	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 5/16/16

NSN 7540-01-152-8070  
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)  
Prescribed by GSA  
FAR (48 CFR) 53.243

TEMPLATE - ADM001

SUNSI REVIEW COMPLETE

MAY 19 2016

ADM002

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED

GS23F9794H/NRC-HQ-12-F-10-0003/M0014

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NAME OF OFFEROR OR CONTRACTOR

ERNST YOUNG LLP

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>NEW ACCOUNTING CODE ADDED:</p> <p>Account code: 2016-X0200-FEEBASED-10-10D007-51-J-144-1126-251B BBFY 2016 EBFY Fund X0200 Funds Source FEEBASED YBA Office 10 Division 10D007 Branch Cost Ctr (Job Code) 1126 Major prog/business 51 Product Line J Product 144 BOC 251B REIM Agreement Num REIM Agmt Line Num FAIMIS Template Name 51-J-144-1126 Quantity: 0 Amount: \$100,000.00 Percent: 12.60805 Subject To Funding: N Payment Address:</p> <p>Delivery Location Code: NRCHQ US NRC - HQ DIVISION OF CONTRACTS</p> <p>Period of Performance: 09/28/2012 to 09/27/2017</p>				

## **1. Title of Project**

The title of this project is 'Information Technology (IT) Asset Validation and Market Estimate.

## **2. Background**

As part of its ongoing delivery of IT services within the agency, the U.S. Nuclear Regulatory Commission (NRC) uses a wide range of government furnished equipment (GFE) as well as vendor-provided equipment. This IT equipment, inclusive of desktop, server, storage, network, and other hardware and software, is collectively described as the agency's 'IT assets'.

The NRC uses an indefinite Delivery Indefinite Quantity (IDIQ) contract with Dell Services Federal Government (incumbent) for the delivery of a substantial portion of its IT assets and ongoing services for the agency's headquarters and regionally located offices. The IT assets in use by the agency under this contract represent a critical resource for continued operation of the agency's mission and corporate functions.

However, the vast majority of these assets are owned by the Contractor and procured in the form of monthly fees for the services and capabilities the equipment supports. As this contract approaches its conclusion, the NRC expects to facilitate acquisition of the IT assets currently owned by the incumbent that support the agency to one or more contractors that may be successful in securing new contracts the agency is releasing to provide support after the current contract is completed.

## **3. Objectives**

To support a variety of planning and migration activities associated with the transition from the current contract to one or more future contracts, the NRC is seeking support from a Contractor to:

- Provide an estimate of fair market value for the inventory.
- Independently validate the existing inventory of agency-wide IT assets, inclusive of GFE as well as those supplied by, or in use by, the incumbent to support the agency;
- Validate alignment of IT assets to the agency's current services and systems; and

## **4. Required Tasks**

To accomplish the desired objectives the contractor shall accomplish the following tasks and provide the deliverables described within each underlying task.

### **4.1. Market Estimate**

Using the inventory and additional assumptions where applicable, the Contractor shall provide a Fair Market Value (FMV) estimate for each individual asset. If appropriate, the Contractor may bundle certain assets to arrive at a single FMV estimate, but should minimize this approach wherever possible.

The Contractor shall provide the NRC with a spreadsheet which lists the assets, their associated FMV estimate and, if the FMV estimate is provided in a separate spreadsheet or database from the asset inventory, a key which indicates which asset in the inventory is associated with each estimate. The Contractor shall also include in its spreadsheet the variables used to calculate

estimates, if any, in a manner that allows the estimates to be changed by changing individual variables.

The contractor shall also separately document and describe its estimation approach, any assumptions and variables used, and any risks, issues, or other advisory information considered useful for understanding the FMV estimates. To the extent feasible and practical, the Contractor shall summarize its general confidence level in the estimates provided as a basis for establishing a baseline value for the assets as well as the impacts of time on the values provided.

Deliverable	Format	Due
FMV Estimates	MS Excel	45 Days after Receipt of Inventory
Estimate Summary and Supporting Information	MS Word or PowerPoint	45 Days after Receipt of Inventory

**After completion of task 4.1, NRC COR will analyze if there is a need for task 4.2-4.4. If there is, the COR will direct the contractor to perform the work”.**

#### **4.2. Conduct Asset Inventories**

The Contractor shall conduct an inventory of all IT assets that handle National Security Information and Safeguards Information (SGI)

The Contractor shall work with OCIO, all program offices, the regions, and the TTC to coordinate and document information on the agency's IT assets that handle classified and SGI information. The work shall involve inventory and validation of what the agency has and how access (use) is controlled (e.g., whether a PIV card is required). Additional information that may be required includes how the technology is scanned for vulnerabilities, and what the corrective actions are for any gaps. The Contractor shall develop a consolidated inventory that can be exported, updated and maintained as the official record. The Contractor shall also develop summary reports that support the inventory as necessary.

##### **4.2.1. Conduct Agency-wide Data Center Inventory**

The Contractor shall develop an inventory of all agency data centers as defined by the Office of Management and Budget's Data Center Optimization Initiative (DCOI).

The Contractor shall work with OCIO, all program offices, the regions (to include resident inspector sites), and the TTC to identify and document information on the agency's facilities that qualify as data centers under the DCOI. The inventory shall include, but may not be limited to, the number of IT assets in each location, square footage, electrical usage, cooling capabilities, types of IT assets, number of racks, IT storage, and FISMA systems supported within the location. Finally, each location shall be identified as either "Tiered" or "Non-Tiered" according to the DCOI definition. See addendum #1.

The Contractor shall develop a consolidated inventory that can be exported, updated and maintained as the official record. The Contractor shall also develop summary reports that support the inventory as necessary.

#### **4.2.2. Deliverables**

The following deliverables are required for this task.

Deliverable	Format	Due
Inventory of IT Assets that handle National Security Information and SGI	MS Access or MS Excel	30 Days after Receipt of Inventory
Inventory supporting documentation including summary reports	MS Word	30 Days after Receipt of Inventory
Inventory of Agency data Centers as defined by DCOI (See addendum #1)	MS Excel	30 Days after Receipt of Inventory

#### **4.3. Asset Inventory Validation**

The Contractor shall support the validation of the current IT asset inventory maintained by the incumbent as other inventories provided by the agency. The current inventory will be provided to the Contractor in one or more MS Excel Spreadsheets containing details associated with each asset, including asset descriptions, serial or license numbers, location, and other descriptive attributes.

The Contractor shall review the inventory information and identify any gaps in the existing asset inventory that may inhibit validation of the asset inventory; development of fair market value estimates; and successful negotiation, sale, and transfer of the assets from the incumbent to another Contractor.

Additionally, the Contractor shall work in an advisory capacity with the incumbent and the NRC to support remediation of any gaps in the information or, where necessary, identify other methods or techniques to address the gaps.

Following its review of the existing information, the Contractor shall validate the integrity of the inventory using one or more methods sufficient to confirm the accuracy of the information captured in the inventory, including but not limited to the equipment's existence, location, and specifications. Potential methods for validation include but are not limited to physical audits of randomly selected assets (sampling) and/or review of additional documentation including receiving records and configuration management artifacts. These methods are provided to elaborate on the agency's objectives and should not be construed as specific guidance to the Contractor; the Contractor shall describe its proposed approach as part of its response to this Performance Work Statement.

Following completion of its efforts to validate the inventory, the Contractor shall provide the NRC with the results of its validation efforts including, in its estimation, the general reliability of the inventory and any recommendations associated with increasing the accuracy and integrity of the inventory, if any.

Finally, the contractor shall consolidate any disparate lists (e.g. incumbent owned list, GFE list, etc.) into a single inventory that contains appropriate attributes to delineate between previously separate lists and ensure removal of any duplications in asset records.

#### **4.3.1. Deliverables**

The following deliverable are required for this task.

Deliverable	Format	Due
Inventory Gap Analysis	MS Word or PowerPoint	10 Days after Receipt of Inventory
Inventory Validation Findings	MS Word or PowerPoint	30 Days after Receipt of Inventory
Consolidated IT Asset Inventory	MS Excel or MS Access	30 Days after Receipt of Inventory

#### **4.4. Asset Inventory Alignment**

To facilitate the alignment of IT assets to specific future statements of work as well as potential sale and transition of the assets from the incumbent, the Contractor shall validate the information provided to the Contractor which describes and/or aligns the assets to specific agency services and systems. For example, some assets may be used to provide desktops and laptops to users (seat management) while other assets are used to host specific systems in the agency's data center.

The Contractor shall review the information provided to determine whether the nature, depth, or accuracy of the information provided creates risks, issues, or opportunities related to transition of the assets to future contracts for specific services. The Contractor shall also provide any additional recommendations related to asset alignment and transition, as identified.

#### **4.4.1. Deliverables**

The following deliverable are required for this task.

Deliverable	Format	Due
Inventory Alignment Analysis	MS Word or PowerPoint	30 Days after Receipt of Inventory

#### **Addendum #1**

The below DCOI definition of a data center is in draft. The final version may be slightly different.

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## Optimization of Physical Data Centers

### Classification of Physical Data Centers

For the purposes of this memorandum, rooms with at least one server, providing services (whether in a production, test, stage, development, or any other environment), are considered data centers. However, rooms containing only routing equipment, switches, security devices (such as firewalls), or other telecommunications components shall not be considered data centers. Agencies shall perform a comprehensive review of their data center inventories and continue to maintain complete and updated data center inventories. This comprehensive review shall be completed by February 28, 2016, to align with the Integrated Data Collection (IDC) process.

Data centers shall be categorized into two groups: tiered<sup>14</sup> data centers and non-tiered data centers. Tiered data centers are defined as those that utilize each of the following: 1) a separate physical space for IT infrastructure; 2) an uninterruptible power supply (UPS); 3) an independent cooling system; and 4) a backup power generator for prolonged power outages. All other data centers shall be considered non-tiered data centers.<sup>15</sup> Private sector-provided cloud services are not considered data centers for the purposes of this memorandum.

Agencies shall self-classify data centers as either tiered or non-tiered data centers based on the above criteria; however, any data center previously reported to OMB as a Tier 1-4 data center shall be automatically categorized as a tiered data center.