

2. CONTRACT NO.: NRC-HQ-11-16-E-0001/
 NRC-HQ-11-16-E-0001

3. AWARD/EFFECTIVE DATE

4. ORDER NUMBER: NRC-HQ-11-17-T-0002

5. SOLICITATION NUMBER

6. SOLICITATION ISSUE DATE

7. FOR SOLICITATION INFORMATION CALL: **WANDA BROWN**

a. NAME: WANDA BROWN

b. TELEPHONE NUMBER (No collect calls): 301-415-6793

8. OFFER DUE DATE/LOCAL TIME

9. ISSUED BY: US NRC - HQ
 ACQUISITION MANAGEMENT DIVISION
 MAIL STOP TWFN-5E03
 WASHINGTON DC 20555-0001

CODE: NRCHQ

10. THIS ACQUISITION IS: UNRESTRICTED OR SET ASIDE: % FOR:

SMALL BUSINESS
 HUBZONE SMALL BUSINESS
 SERVICE-DISABLED VETERAN-OWNED SMALL BUSINESS

WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOMEN-OWNED SMALL BUSINESS PROGRAM
 EDWOSB
 8(A)

NAICS: 541519
 SIZE STANDARD: \$27.5

11. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED: SEE SCHEDULE

12. DISCOUNT TERMS: 30 Net

13a. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700):

13b. RATING

14. METHOD OF SOLICITATION: RFQ IFB RFP

15. DELIVER TO: Multiple Destinations

CODE

16. ADMINISTERED BY: US NRC - HQ
 ACQUISITION MANAGEMENT DIVISION
 MAIL STOP TWFN-5E03
 WASHINGTON DC 20555-0001

CODE: NRCHQ

17a. CONTRACTOR/OFFEROR: See Schedule

CODE

FACILITY CODE

18a. PAYMENT WILL BE MADE BY: US NUCLEAR REGULATORY COMMISSION
 TWO WHITE FLINT NORTH
 11545 ROCKVILLE PIKE
 MAILSTOP T9-B07
 NRCPAYMENTSNRCGOV
 ROCKVILLE MD 20852-2738

CODE: NRCPAYMENTS

17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER

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

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
	IP-PLUS CONSULTING INC 098810653 IP-PLUS CONSULTING INC ATTN CALVIN RHODES 8775 CENTER PARK DR 357 COLUMBIA MD 21045-2177 Mark For: Continued ... (Use Reverse and/or Attach Additional Sheets as Necessary)				

25. ACCOUNTING AND APPROPRIATION DATA: See schedule

26. TOTAL AWARD AMOUNT (For Govt. Use Only): \$857,044.87

27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1, 52.212-4. FAR 52.212-3 AND 52.212-5 ARE ATTACHED. ADDENDA ARE ARE NOT ATTACHED.

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

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

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

30a. SIGNATURE OF OFFEROR/CONTRACTOR

31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER): *Joseph L. Widdup*

30b. NAME AND TITLE OF SIGNER (Type or print):

30c. DATE SIGNED:

31b. NAME OF CONTRACTING OFFICER (Type or print): JOSEPH L. WIDDUP

31c. DATE SIGNED: 05/26/2017

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
	US NUCLEAR REGULATORY COMMISSION OFFICE OF NUCLEAR SECURITY INCIDENT RESPONSE WASHINGTON DC 20555-0008 Accounting Info: 2017-X0200-FEEBASED-11-11D001-11B107-6006-11-1-156 -2574-11-1-156-6006 Period of Performance: 05/29/2017 to 09/29/2018				

32a. QUANTITY IN COLUMN 21 HAS BEEN

RECEIVED INSPECTED ACCEPTED, AND CONFORMS TO THE CONTRACT, EXCEPT AS NOTED: _____

32b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE	32c. DATE	32d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE
--	-----------	---

32e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE	32f. TELEPHONE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE
	32g. E-MAIL OF AUTHORIZED GOVERNMENT REPRESENTATIVE

33. SHIP NUMBER <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	34. VOUCHER NUMBER	35. AMOUNT VERIFIED CORRECT FOR	36. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	37. CHECK NUMBER
--	--------------------	---------------------------------	--	------------------

38. S/R ACCOUNT NUMBER	39. S/R VOUCHER NUMBER	40. PAID BY
------------------------	------------------------	-------------

41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT	42a. RECEIVED BY (<i>Print</i>)	
41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER	41c. DATE	42b. RECEIVED AT (<i>Location</i>)
		42c. DATE REC'D (<i>YY/MM/DD</i>)


2. CONTRACT NO. NRC-HQ-11-16-E-0001/
 NRC-HQ-11-16-E-0001

3. AWARD/EFFECTIVE DATE

4. ORDER NUMBER: NRC-HQ-11-17-T-0002

5. SOLICITATION NUMBER

6. SOLICITATION ISSUE DATE

7. FOR SOLICITATION INFORMATION CALL:  a. NAME: WANDA BROWN

b. TELEPHONE NUMBER (No collect calls): 301-415-6793

8. OFFER DUE DATE/LOCAL TIME

9. ISSUED BY: US NRC - HQ
 ACQUISITION MANAGEMENT DIVISION
 MAIL STOP TWFN-5E03
 WASHINGTON DC 20555-0001

CODE: NRCHQ

10. THIS ACQUISITION IS: UNRESTRICTED OR SET ASIDE: % FOR:

SMALL BUSINESS
 HUBZONE SMALL BUSINESS
 SERVICE-DISABLED VETERAN-OWNED SMALL BUSINESS

WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOMEN-OWNED SMALL BUSINESS PROGRAM
 EDWOSB

NAICS: 541519
 SIZE STANDARD: \$27.5

11. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED: SEE SCHEDULE

12. DISCOUNT TERMS: 30 Net

13a. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)

13b. RATING

14. METHOD OF SOLICITATION: RFQ IFB RFP

15. DELIVER TO: Multiple Destinations

CODE:

16. ADMINISTERED BY: US NRC - HQ
 ACQUISITION MANAGEMENT DIVISION
 MAIL STOP TWFN-5E03
 WASHINGTON DC 20555-0001

CODE: NRCHQ

17a. CONTRACTOR/OFFEROR: See Schedule

CODE:

FACILITY CODE:

18a. PAYMENT WILL BE MADE BY: NRCPAYMENTS

CODE: NRCPAYMENTS

US NUCLEAR REGULATORY COMMISSION
 TWO WHITE FLINT NORTH
 11545 ROCKVILLE PIKE
 MAILSTOP T9-B07
 NRCPAYMENTSNRCGOV
 ROCKVILLE MD 20852-2738

17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER

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

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
	IP-PLUS CONSULTING INC 098810653 IP-PLUS CONSULTING INC ATTN CALVIN RHODES 8775 CENTER PARK DR 357 COLUMBIA MD 21045-2177 Mark For: Continued ... (Use Reverse and/or Attach Additional Sheets as Necessary)				

25. ACCOUNTING AND APPROPRIATION DATA: See schedule

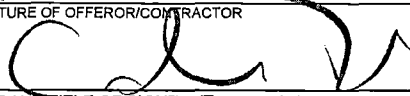
26. TOTAL AWARD AMOUNT (For Govt. Use Only): \$857,044.87

27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1, 52.212-4. FAR 52.212-3 AND 52.212-5 ARE ATTACHED. ADDENDA ARE ARE NOT ATTACHED.

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

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

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

30a. SIGNATURE OF OFFEROR/CONTRACTOR: 

31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER)

30b. NAME AND TITLE OF SIGNER (Type or print): Calvin Rhodes President & CEO

30c. DATE SIGNED: May 26, 2017

31b. NAME OF CONTRACTING OFFICER (Type or print): JOSEPH L. WIDDUP

31c. DATE SIGNED

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
	US NUCLEAR REGULATORY COMMISSION OFFICE OF NUCLEAR SECURITY INCIDENT RESPONSE WASHINGTON DC 20555-0008 Accounting Info: 2017-X0200-FEEBASED-11-11D001-11B107-6006-11-1-156 -2574-11-1-156-6006 Period of Performance: 05/29/2017 to 09/29/2018				

32a. QUANTITY IN COLUMN 21 HAS BEEN

RECEIVED
 INSPECTED
 ACCEPTED, AND CONFORMS TO THE CONTRACT, EXCEPT AS NOTED: _____

32b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE	32c. DATE	32d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE
--	-----------	---

32e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE	32f. TELEPHONE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE
	32g. E-MAIL OF AUTHORIZED GOVERNMENT REPRESENTATIVE

33. SHIP NUMBER <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	34. VOUCHER NUMBER	35. AMOUNT VERIFIED CORRECT FOR	36. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	37. CHECK NUMBER
--	--------------------	---------------------------------	--	------------------

38. S/R ACCOUNT NUMBER	39. S/R VOUCHER NUMBER	40. PAID BY
------------------------	------------------------	-------------

41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT	42a. RECEIVED BY (<i>Print</i>)	
41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER	41c. DATE	42b. RECEIVED AT (<i>Location</i>)
		42c. DATE REC'D (<i>YY/MM/DD</i>)

SECTION B – SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 PRICE SCHEDULE

Item No.	SOW Task Area	Item	Description	Quantity	Unit	Unit Price	Amount
Headquarters							
0001	Task 1	Nutanix Webscale Platform	Nutanix Webscale Platform (NX-3060-G5) 8 x Intel Xeon Processor 2.2GHz 12-core Broadwell E5-2650 v4 30M Cache 32 x 8 x 32GB (256GB per node) 16 x 2TB 2.5" HDD 8 x 1.2TB 2.5" SSD 4 x 10GbE Dual SFP+ Network Adapter License, 3YR Pro entitlement for NX-3060-G5 2 S-PRD-3060-G5-3YR 3YR Production 24/7 System support for Nutanix 3060-G5. 16 C-CBL-3M-SFP+-SFP+ Cable 3m SFP+ to SFP+ 8 LIC-PRS-PRO-3YR-1 Prism Pro, 1 node, valid for 3 years 32 S-NRDK-HDD-2TB-3YR Support for non-returned 2TB HDD replacement, 3 yr (per drive) 16 S-NRDK-SSD-1200GB-3YR Support for non-returned 1200GB SSD replacement, 3 yr (per drive)	[REDACTED]	EA	[REDACTED]	[REDACTED]

0001	Task 1	Nexus Switches	Nexus 3524x, 24 10G Ports SNTC-24X7X2OS Nexus 3524x, 24 10G (12 months) N2K/N3K AC Power Supply, Std airflow (port side exhaust) Power Cord, 125VAC 13A NEMA 5-15 Plug, North America Nexus 3500 Base License Nexus 3K/9K Fixed Accessory Kit Nexus 3524 Factory Installed 24 port license 10GBASE-CU SFP+ Cable 3 Meter Nexus 2K/3K/9K Single Fan, port side exhaust airflow NX-OS Release 6.0(2)A7(2)	[REDACTED]	EA	[REDACTED]	[REDACTED]
0001	Task 1	Domain Controller Servers	PowerEdge R330 Server	[REDACTED]	EA	[REDACTED]	[REDACTED]
0001	Task 1	Citrix XenDesktop Software	Citrix XenDesktop Enterprise Edition - On- Premise Subscription 1 year	[REDACTED]	EA	[REDACTED]	[REDACTED]
0001	Task 1	Citrix XenDesktop Maintenance Support	Technical Support - For Citrix XenDesktop Enterprise Edition 24x7 - 1 year	[REDACTED]	EA	[REDACTED]	[REDACTED]

		Thin Client Desktops	DELL WYSE 3030 LT Thin Client IPPLUS-DELL WYSE 3030 LT THIN CLIENT Wyse ThinOS, English Wyse 3030 LT thin client - 4GB Flash / 2GB RAM, TPM Dell KB216 Wired Multi-Media Keyboard English Black Dell MS116 Wired Mouse, Black Vertical Stand US Power Cord Energy Star Compliant English and French, Shipping Docs Tech Sheet (English, French, Spanish, Brazilian Portuguese) Regulatory Label, without WIFI Directship Info Mod Shipping Material for System Wyse 3030 LT thin client, CTO Bulk Pack to Hub, Wyse 30W AC Adapter Dell Limited Hardware Warranty, Initial Year Dell Limited Hardware Warranty, Extended Year(s) Customer Pays Freight/Return for Repair, Initial Year Customer Pays Freight/Return for Repair, 2 Year Extended Dell Adapter - DVI to VGA Includes 3 years of WYSE THINOS Maintenance	[REDACTED]	EA	[REDACTED]	[REDACTED]
0001	Task 1						
0001	Tasks 2, 3, and 5	Nutanix Cluster Deployment	Deployment per node	[REDACTED]	JB	[REDACTED]	[REDACTED]
0001	Task	Citrix Consulting	Citrix Consulting Services	[REDACTED]	HR	[REDACTED]	[REDACTED]

	4	Services					
Headquarters Total							\$581,262.86
Item No.	SOW Task Area	Item	Description	Quantity	Unit	Unit Price	Amount
Region IV							
0002	Task 1	Nutanix Webscale Platform	Nutanix Webscale Platform (NX-1065-G5) 8 x Intel Xeon Processor 2.4GHz 10-core Broadwell E5-2640 v4 24M Cache 32 x 8 x 32GB (256GB per node) 8 x6TB 3.5" HDD 4x1.92TB 35" SSD 4 x 10GbE Dual SFP+ Network Adapter License, 3YR Pro entitlement for NX-3060-G5 1 S-PRD-1065-G5-3YR 3YR Production 24/7 System support for Nutanix 1065-G5. 16 C-CBL-3M-SFP+-SFP+ Cable 3m SFP+ to SFP+ 8 LIC-PRS-PRO-3YR-1 Prism Pro, 1 node, valid for 3 years 8 S-NRDK-HDD-6TB-3YR Support for non-returned 6TB HDD replacement, 3 yr (per drive) 4 S-NRDK-SSD-1920GB-3YR Support for non-returned 1920GB SSD replacement, 3 yr (per drive)		EA		

0002	Task 1	Nexus Switches	Nexus 3524x, 24 10G Ports SNTC-24X7X2OS Nexus 3524x, 24 10G (12 months) N2K/N3K AC Power Supply, Std airflow (port side exhaust) Power Cord, 125VAC 13A NEMA 5-15 Plug, North America Nexus 3500 Base License Nexus 3K/9K Fixed Accessory Kit Nexus 3524 Factory Installed 24 port license 10GBASE-CU SFP+ Cable 3 Meter Nexus 2K/3K/9K Single Fan, port side exhaust airflow NX-OS Release 6.0(2)A7(2)	[REDACTED]	EA	[REDACTED]	[REDACTED]
0002	Task 1	Domain Controller Servers	PowerEdge R330 Server	[REDACTED]	EA	[REDACTED]	[REDACTED]
Region IV Total							\$191,756.31

Labor-Hours and Travel Costs for Tasks 2, 3 and 5							
Item No.	SOW Task Area	Item	Description	Quantity	Unit	Unit Price	Amount
0003	Tasks 2, 3, and 5	Travel Costs	Contractor travel costs to Region IV - To be reimbursed in accordance with FAR 31.205-46	[REDACTED]	LT	[REDACTED]	1735.02
0003	Tasks 2, 3, and 5	Engineering Support (Principle Consultant)	Principle Consultant	[REDACTED]	HR	[REDACTED]	\$17,516.00
Travel and Labor-Hours and Travel Costs (Ceiling Price)							\$19,251.02

Grand Total (Tasks 1, 2, 3, 4 and 5)	\$792,270.19
---	---------------------

Optional Services for Migration Software and Citrix Implementation

Item No.	SOW Task Area	Item	Description	Quantity	Unit	Unit Price	Amount
1001	Tasks 2, 3, and 5	GSOFlex Service Hours	GSO FLEX Service (Migration Software and Support for P2V)		HR		
1001	Task 4	Citrix Consulting Services	Citrix Consulting Services		HR		
Ceiling Price for Optional Services							\$64,774.68

CONSIDERATION AND OBLIGATION-TASK ORDERS (AUG 2011)

The amount presently obligated with respect to this order is \$792,270.19. The obligated amount shall, at no time, exceed the order ceiling as specified in paragraph (a) above. When and if the amount(s) paid and payable to the Contractor hereunder shall equal the obligated amount, the Contractor shall not be obligated to continue performance of the work unless and until the Contracting Officer shall increase the amount obligated with respect to this order, in accordance with FAR Part 43 - Modifications. Any work undertaken by the Contractor in excess of the obligated amount specified above is done so at the Contractor's sole risk and may not be reimbursed by the Government.

INSPECTION AND ACCEPTANCE BY THE NRC (SEP 2013)

Inspection and acceptance of each item to be furnished hereunder shall be made by the NRC Contracting Officer's Representative (COR) at the destination.

52.232-40 PROVIDING ACCELERATED PAYMENTS TO SMALL-BUSINESS SUBCONTRACTORS (DEC 2013)

(a) Upon receipt of accelerated payments from the Government, the Contractor shall make accelerated payments to its small business subcontractors under this contract, to the maximum extent practicable and prior to when such payment is otherwise required under the applicable contract or subcontract, after receipt of a proper invoice and all other required documentation from the small business subcontractor.

(b) The acceleration of payments under this clause does not provide any new rights under the Prompt Payment Act.

(c) Include the substance of this clause, including this paragraph (c), in all subcontracts with small business concerns, including subcontracts with small business concerns for the acquisition of commercial items.

CONTRACTING OFFICER'S REPRESENTATIVE AUTHORITY

(a) The contracting officer's authorized representatives hereinafter referred to as the Contracting Officer's Representatives (COR) for this contract are:

Name: Omar Khan
Address: 11601 Landsdown Street
Mail Stop 3WFN/9A48
North Bethesda, MD 20852
Telephone: 301-287-3725
Email: omar.khan@nrc.gov

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

(1) Technical direction to the contractor which shifts work emphasis between areas of work or tasks, authorizes travel which was unanticipated in the Schedule (i.e., travel not contemplated in the Statement of Work or changes to specific travel identified in the Statement of Work), fills in details, or otherwise serves to accomplish the statement of work.

(2) Provide advice and guidance to the contractor in the preparation of drawings, specifications, or technical portions of the work description.

(3) Review and, where required by the task order, approve technical reports, drawings, specifications, and technical information to be delivered by the contractor to the Government under the task order.

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

(1) Constitutes an assignment of work outside the general scope of the task order.

(2) Constitutes a change as defined in the "Changes" clause of the contract under which this task order is awarded.

- (3) In any way causes an increase or decrease in the total estimated task order cost or the time required for contractor performance.
- (4) Changes any of the expressed terms, conditions, or specifications of the task order.
- (5) Terminates the task order, settles any claim or dispute arising under the task order, or issues any unilateral directive whatever.
- (d) All technical directions must be issued in writing by the COR or must be confirmed by the COR in writing within ten (10) working days after verbal issuance.
- (e) The contractor shall proceed promptly with the performance of technical directions duly issued by the COR in the manner prescribed by this clause and within the COR's authority under the provisions of this clause.
- (f) If, in the opinion of the contractor, any instruction or direction issued by the COR is within one of the categories defined in paragraph (c) of this section, the contractor may not proceed but shall notify the contracting officer in writing within five (5) working days after the receipt of any instruction or direction and shall request that contracting officer to modify the task order accordingly. Upon receiving the notification from the contractor, the contracting officer shall issue an appropriate task order modification or advise the contractor in writing that, in the contracting officer's opinion, the technical direction is within the scope of this article and does not constitute a change under the "Changes" clause of the contract under which this task order is awarded.
- (g) Any unauthorized commitment or direction issued by the COR may result in an unnecessary delay in the contractor's performance and may even result in the contractor expending funds for unallowable costs under the task order.
- (h) A failure of the parties to agree upon the nature of the instruction or direction or upon the contract action to be taken with respect to the instruction or direction is subject to 52.233-1 – Disputes in the contract under which this task order is awarded.
- (i) In addition to providing technical direction as defined in paragraph (b) of the section, the COR shall:
 - (1) Monitor the contractor's technical progress, including surveillance and assessment of performance, and recommend to the contracting officer changes in requirements.
 - (2) Assist the contractor in the resolution of technical problems encountered during performance.
 - (3) Review all invoices submitted by the contractor and submit to the contracting officer recommendations for approval, disapproval, or suspension of payment for supplies and services included in each invoice.

DESCRIPTION/SPECIFICATIONS/STATEMENT OF WORK

1. PROJECT TITLE

Operations Center Information Management System (OCIMS) – Procure and install hyper-converged solution.

2. BACKGROUND

The Operations Center Information Management System (OCIMS) is a General Support System (GSS) that is a collection of Information Technology and Information Management (IT/IM) systems. OCIMS supports the NRC's Incident Response program, which is NRC's Primary Mission Essential Function (PMEF). The OCIMS is on an independent network connected to the NRC POE through a firewall. OCIMS supports Voice, Display and Data components. As OCIMS supports the PMEF we are also required to have a complete backup solution, the current solution only supports a partial OCIMS backup, the new design provides a backup of all Data components with real time replication to the backup site.

A decision has been made to use the hyper-converged solution to virtualize the OCIMS data components and provide a Virtual desktop infrastructure (VDI) platform at HQ. A hyper-converged solution at the backup site will provide for backup processing and disaster recovery. As per the Information Technology/Information Management (IT/IM) Technical Standards, this solution supports hosting and operation within a virtual server environment.

3. APPLICABLE DOCUMENTS

The COR will provide the "Business Case for the Virtualization of a Hosting Solution" to the contractor upon their request.

4. TASK REQUIREMENTS

Task 1: Procure and Deliver Hardware and Software to the NRC – Contractor shall complete no later than 2 months after task order award

The Contractor shall procure and deliver the items listed in following items listed in clause B.1

Task 2: Virtualize current servers and move to new environment – Contractor shall complete within 5 months after completion of Task 1

The contractor shall virtualize the following servers:

NSIR Server Name	Asset #	Serial #	Make And Model	Role
H3HOCHOODB01	024320	FWT7XV1	DELL R710	HOO primary DB server (Windows Server 2008 R2, MS SQL server 2008)
H3HOCHOODB02	024312	FWT6XV1	DELL R710	HOO backup DB server (Windows Server 2008 R2, MS SQL server 2008)
H3HOCHOOWS01	023812	99K7XV1	DELL R710	Primary HOO webserver (Windows Server 2008 R2, IIS)
H3HOCHOOWS02	023810	99L6XV1	DELL R710	Backup HOO webserver (Windows Server 2008 R2, IIS)
H3HOCHOODB04	024316	FVV5XV1	DELL R710	HOO Backup DB Server (Windows Server 2008 R2, MS SQL server 2008)
H3HOCHOOWS04	024315	FVV7XV1		Backup File share/ WSUS
H3HOCD01	023811	99K8XV1	DELL R710	DC for OCIMS network/DNS (Windows Server 2008 R2)
H3HOCD02	023809	99L7XV1	DELL R710	DC for OCIMS network/DNS (Windows Server 2008 R2)
H3HOCEOCPW	024314	FWS8XV1	DELL R710	WebEOC primary Webserver (Windows Server 2008 R2, IIS)
H3HOCEOCPD	024318	FWS6XV1	DELL R710	WebEOC primary DB server (Windows Server 2008 R2, MS SQL server 2008)
H3HOCEOCBW	024317	FVV8XV1	DELL R710	WebEOC Backup Webserver (Windows

NSIR Server Name	Asset #	Serial #	Make And Model	Role
				Server 2008 R2, IIS)
H3HOCEOCBD	024313	FWS7XV1	DELL R710	WebEOC Backup DB server (Windows Server 2008 R2, MS SQL server 2008)
H3HOCFUSPW	023808	99L5XV1	DELL R710	WebEOC primary Fusion server (Windows Server 2008 R2, IIS)
H3HOCFUSPD	024319	FWV6XV1	DELL R710	WebEOC primary Fusion DB server (Windows Server 2008 R2, MS SQL Server 2008)

The contractor shall install these virtual servers in both the headquarters Nutanix server (NX-3460-G5-21130) and the Region IV Nutanix server (NX-1465-G5-12250).

Task 3: Setup VDI – The Contractor shall complete within 5 months after completion of Task 1

The contractor shall virtualize the Dell License workstations in the operations center. The current workstations are all Dell OptiPlex 790 SFF units. The contractor shall create the following images and deploy them on the units below.

- OCIMS Administrators: users that require administrative access to the OCIMS
- HOO workstation: workstations used by Headquarters Operations Officers (HOO) to access HOO databases
- HOO Avaya workstation: workstations used by HOO to access Avaya Meeting Exchange for voice conferencing
- General Responder workstation: workstations used by Incident Response personnel located in the Operations center in order to respond to an event or exercise

Image	# of Units
OCIMS Administrators	4
HOO workstation	5
HOO Avaya workstation	4
General Responder	85

workstation	
-------------	--

Task 4: Transfer Region IV Nutanix Server to Region IV and Verify Connectivity – The contractor shall complete within 6 months after completion of Tasks 2 and 3

The contractor shall disconnect the newly installed Region IV Nutanix server (NX-1465-G5-12250) from the 3WFN data center and place it in its original packing that the COR will provide to the contractor. The NRC will ship this system to Region IV. The contractor shall rack this server in the Region IV rack located in room 1047 (rack number will be provided by the COR). The contractor shall verify connectivity and ensure that the replication process between the headquarters Nutanix server and the Region IV Nutanix server is working as intended by the original equipment manufacturer.

Task 5: PERFORMANCE REQUIREMENTS

The Contractor shall perform the following tasks in accordance with technical direction from the COR or their authorized representative and following the guidance provided in NRC Management Directive 2.8 (MD 2.8), as applicable.

- 5.1 Task 1: Purchase the items listed in Section B.1.
- 5.2 Task 2: Install and test the equipment - The contractor shall install, harden and test the equipment in the 3WFN data center
- 5.3 Task 3: Virtualize current servers and move to new environment - The contractor shall virtualize OCIMS servers and move them to the new environment
- 5.4 Task 4: Setup VDI - The contractor shall virtualize the workstations in the operations center
- 5.5 Task 5: Transfer backup equipment to Region IV and verify connectivity - The contractor shall move the backup system to Region IV and verify that the backup process works and is enabled for disaster recovery.

5. OTHER CONTRACTOR REQUIREMENTS

The Contractor shall ensure that:

- The contractor shall install the virtualized servers on the Nutanix servers and ensure that they provide the same or better level of functionality as the current physical servers.
- The contractor shall ensure that the Nutanix servers provide redundancy, i.e., they are still able to function after powering off one of the modules.
- The contractor shall replicate server data between the Headquarters and Region IV servers.
- The contractor shall ensure that the Region IV server is able to provide functionality to the Regional Operations Officers if the Headquarters server is turned off.
- The contractor shall ensure that any data added to the Region IV server is replicated to the Headquarters server
- The contractor shall ensure that Administrators are able to use the VDI workstations for the OCIMS Administrator image with the same functionality as provided by the current workstations
- The contractor shall ensure that Headquarters Operations Officers (HOOs) in 3WFN are able to use the VDI workstations for the HOO database image and the HOO Avaya image with the same or better functionality as provided by the current workstations.
- The contractor shall ensure that General Responders are able to use the VDI workstations for the General Responder image with the same or better functionality as provided by the current workstations.

6. MONETARY DISINCENTIVES FOR FAILURE TO MEET SOW REQUIREMENTS

Failure to provide a timely and acceptable solution will be subject to the following deductions: 3% reduction to amount payable for the firm-fixed-price portion of the task order.

7. GOVERNMENT-FURNISHED PROPERTY

The NRC will provide racks and rack space the HQ 3WFN data Center and the Region IV Data Center.

8. PLACE OF PERFORMANCE

The work to be performed under this order will be primarily performed at:

U.S. Nuclear Regulatory Commission
Three White Flint North
11601 Landsdown Street
North Bethesda, MD 20852

U.S. Nuclear Regulatory Commission
Region IV
1600 East Lamar Boulevard
Arlington, Texas 76011-4511

9. SECURITY

The work required under this contract is UNCLASSIFIED.