SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS					1. REQUISITION NUMBER RES-15-0105		PAGE	OF
OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24, & 30							1	23
2. CONTRACT NO. NRC-HQ-11-C-33-0060		3. AWARD/ EFFECTIVE DATE 02/22/2015	4. ORDER NUMBER NRC-HQ-60-15-T-0001		5. SOLICITATION NUMBER NRC-HQ-60-15-R-0003			6. SOLICITATION ISSUE DATE 12/30/2014

7. FOR SOLICITATION INFORMATION CALL: ▶	a. NAME HERIBERTO COLON	b. TELEPHONE NUMBER *(No collect calls)* 301-287-0873	8. OFFER DUE DATE/LOCAL TIME

9. ISSUED BY	CODE	NRCHQ	10. THIS ACQUISITION IS ☒ UNRESTRICTED OR ☐ SET ASIDE: % FOR:

US NRC - HQ
ACQUISITION MANAGEMENT DIVISION
MAIL STOP 3WFN-05-C64MP
WASHINGTON DC 20555-0001

☐ 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		☐ 13a. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)	13b. RATING
				14. METHOD OF SOLICITATION ☐ RFQ ☐ IFB ☐ RFP

15. DELIVER TO	CODE	NRCHQ	16. ADMINISTERED BY	CODE	NRCHQ

US NUCLEAR REGULATORY COMMISSION-
MAIL PROCESSING CENTER
4930 BOILING BROOK PARKWAY
ROCKVILLE MD 20852

US NRC - HQ
ACQUISITION MANAGEMENT DIVISION
MAIL STOP 3WFN-05-C64MP
WASHINGTON DC 20555-0001

17a. CONTRACTOR/ OFFEROR	CODE	805258373	FACILITY CODE	18a. PAYMENT WILL BE MADE BY	CODE	NRCPAYMENTS

LOCKHEED MARTIN SERVICES INC
700 N FREDERICK AVE
GAITHERSBURG MD 208793328

US NUCLEAR REGULATORY COMMISSION
ONE WHITE FLINT NORTH

TELEPHONE NO.

☐ 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
	Task Order under MOM FA2 for "RAMP Website Hosting and O&M Support"				
	This confirms the CO's verbal & email authorization to LMIT to commence work effective, 2/22/2015 with an initial ceiling of $50,000.00.				
00001	BASE PERIOD - RAMP Website Hosting and O&M Support Award Type: Time-and-materials Line Item Ceiling$148,000.99 Continued ...				148,000.99
	(Use Reverse and/or Attach Additional Sheets as Necessary)				

25. ACCOUNTING AND APPROPRIATION DATA 2015-X0200-FEEBASED-60-60D003-11-6-213-1044-2500	26. TOTAL AWARD AMOUNT *(For Govt. Use Only)* $693,669.31

☐ 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)*	30c. DATE SIGNED	31b. NAME OF CONTRACTING OFFICER *(Type or print)* HERIBERTO COLON	31c. DATE SIGNED 03/02/2015

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION IS NOT USABLE

STANDARD FORM 1449 (REV. 2/2012)
Prescribed by GSA - FAR (48 CFR) 53.212

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
	Incrementally Funded Amount: $50,000.00				
	Period of Performance: 02/22/2015 to 09/25/2015				
10001	OPTION PERIOD 1 - RAMP Website Hosting and O&M Support Award Type: Time-and-materials Amount: $290,633.81(Option Line Item) Anticipated Exercise Date08/25/2015				0.00
	Period of Performance: 09/26/2015 to 09/25/2016				
20001	OPTION PERIO 2 - RAMP Website Hosting and O&M Support Award Type: Time-and-materials Amount: $255,034.51(Option Line Item) Anticipated Exercise Date08/25/2016				0.00
	Period of Performance: 09/26/2016 to 09/25/2017				
	The obligated amount of award: $50,000.00. The total for this award is shown in box 26.				

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	34. VOUCHER NUMBER	35. AMOUNT VERIFIED CORRECT FOR	36. PAYMENT	37. CHECK NUMBER
☐ PARTIAL ☐ FINAL			☐ COMPLETE ☐ PARTIAL ☐ FINAL	
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 *(Print)*
41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER	41c. DATE	42b. RECEIVED AT *(Location)*
		42c. DATE REC'D *(YY/MM/DD)* 42d. TOTAL CONTAINERS

STANDARD FORM 1449 (REV. 2/2012) BACK

SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS		1. REQUISITION NUMBER		PAGE	OF
OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24, & 30		RES-15-0105		1	23

2. CONTRACT NO. NRC-HQ-11-C-33-0060	3. AWARD/ EFFECTIVE DATE 02/22/2015	4. ORDER NUMBER NRC-HQ-60-15-T-0001		5. SOLICITATION NUMBER NRC-HQ-60-15-R-0003	6. SOLICITATION ISSUE DATE 12/30/2014

7. FOR SOLICITATION INFORMATION CALL: ▶	b NAME HERIBERTO COLON	b. TELEPHONE NUMBER *(No collect calls)* 301-287-0873	8. OFFER DUE DATE/LOCAL TIME

9. ISSUED BY	CODE	NRCHQ

US NRC - HQ
ACQUISITION MANAGEMENT DIVISION
MAIL STOP 3WFN-05-C64MP
WASHINGTON DC 20555-0001

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 DESTINA- TION UNLESS BLOCK IS MARKED ☐ SEE SCHEDULE	12. DISCOUNT TERMS	☐ 13a. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)	13b. RATING
			14. METHOD OF SOLICITATION ☐ RFQ ☐ IFB ☐ RFP

15. DELIVER TO	CODE	NRCHQ	16. ADMINISTERED BY	CODE	NRCHQ

US NUCLEAR REGULATORY COMMISSION-
MAIL PROCESSING CENTER
4930 BOILING BROOK PARKWAY
ROCKVILLE MD 20852

US NRC - HQ
ACQUISITION MANAGEMENT DIVISION
MAIL STOP 3WFN-05-C64MP
WASHINGTON DC 20555-0001

17a. CONTRACTOR/ OFFEROR	CODE	805258373	FACILITY CODE		18a. PAYMENT WILL BE MADE BY	CODE	NRCPAYMENTS

LOCKHEED MARTIN SERVICES INC
700 N FREDERICK AVE
GAITHERSBURG MD 208793328

US NUCLEAR REGULATORY COMMISSION
ONE WHITE FLINT NORTH

TELEPHONE NO.

☐ 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
	Task Order under MOM FA2 for "RAMP Website Hosting and O&M Support"				
	This confirms the CO's verbal & email authorization to LMIT to commence work effective, 2/22/2015 with an initial ceiling of $50,000.00.				
00001	BASE PERIOD - RAMP Website Hosting and O&M Support Award Type: Time-and-materials				148,000.99
	Continued ...				
	(Use Reverse and/or Attach Additional Sheets as Necessary)				

25. ACCOUNTING AND APPROPRIATION DATA 2015-X0200-FEEBASED-60-60D003-11-6-213-1044-2500	26. TOTAL AWARD AMOUNT *(For Govt. Use Only)* $693,669.31

☐ 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)*
Sheila Duplain	
30b. NAME AND TITLE OF SIGNER *(Type or print)* Sheila Duplain Contract Negotiator Staff	30c. DATE SIGNED 3/2/2015	31b. NAME OF CONTRACTING OFFICER *(Type or print)* HERIBERTO COLON	31c. DATE SIGNED

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION IS NOT USABLE

STANDARD FORM 1449 (REV. 2/2012)
Prescribed by GSA - FAR (48 CFR) 53.212

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22 UNIT	23. UNIT PRICE	24 AMOUNT
	Period of Performance: 02/22/2015 to 09/25/2015				
10001	OPTION PERIOD 1 - RAMP Website Hosting and O&M Support Award Type: Time-and-materials (Option Line Item) Anticipated Exercise Date08/25/2015				0.00
	Period of Performance: 09/26/2015 to 09/25/2016				
20001	OPTION PERIO 2 - RAMP Website Hosting and O&M Support Award Type: Time-and-materials (Option Line Item) Anticipated Exercise Date08/25/2016				0.00
	Period of Performance: 09/26/2016 to 09/25/2017				
	The obligated amount of award: $50,000.00. The total for this award is shown in box 26.				

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	34. VOUCHER NUMBER	35. AMOUNT VERIFIED CORRECT FOR	36. PAYMENT	37. CHECK NUMBER
☐ PARTIAL ☐ FINAL			☐ COMPLETE ☐ PARTIAL ☐ FINAL	

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 (Print)
41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER	41c. DATE	42b RECEIVED AT (Location)
		42c. DATE REC'D (YY/MM/DD) 42d TOTAL CONTAINERS

STANDARD FORM 1449 (REV. 2/2012) BACK

SECTION B - Supplies or Services/Prices

B.1   Contract Type

The contract type for this task order is Labor-Hours.

B.2   Period of Performance

Base Period – February 22, 2015 through September 25, 2015
Option Period I – September 26, 2015 – September 25, 2016
Option Period II – September 26, 2016 – September 25, 2017

B.3   Cost/Price

The ceiling cost/price for the Base Period (including labor and other direct costs) is **$148,000.99**. The Government estimates that up to **1,225** contractor personnel hours may be required under one or more contractor FA2 labor categories to complete task order requirements for the Base Period.

The ceiling cost/price for the Option Period I (including labor and other direct costs) is **$290,633.81**. The Government estimates that up to **2,350** contractor personnel hours may be required under one or more contractor FA2 labor categories to complete task order requirements for Option Period I.

The ceiling cost/price for the Option Period II (including labor and other direct costs) is **$255,034.51**. The Government estimates that up to **2,000** contractor personnel hours may be required under one or more contractor FA2 labor categories to complete task order requirements for Option Period II.

B.4   NRCB082 CONSIDERATION AND OBLIGATION-TIME-AND-MATERIALS CONTRACT

(a) The ceiling price to the Government for full performance under this contract is **$148,000.99**.

(b) The contract includes: (1) direct labor hours at specified fixed hourly rates, inclusive of wages, fringe, overhead, general and administrative expenses, and profit, totaling **$138,356.071**]; and (2) cost of materials totaling **$9,644.92**.

(c) The amount presently obligated by the Government with respect to this contract is **$50,000.00**.

(d) It is estimated that the amount currently obligated will cover performance through **June 30, 2015**.

(e) This is an incrementally-funded contract and FAR 52.232-22 – "Limitation of Funds" applies.

(End of Clause)

SECTION C – PERFORMANCE WORK STATEMENT

C.1   PROJECT TITLE

"RAMP Website Hosting, Operations, and Maintenance Support"

C.2   BACKGROUND / INTRODUCTION

The Radiation Protection Code Analysis and Maintenance Program (RAMP) is an initiative at the United States Nuclear Regulatory Commission (NRC) within the Office of Nuclear Regulatory Research (RES).   The primary objective of RAMP is to provide a centralized infrastructure for Radiation Protection computer codes used by the NRC staff, Agreement States, and domestic and international users.   The codes are free to some users such as the Agreement States; however, other users are required to pay a fee that is negotiated via RAMP Agreements. The intended goal of the RAMP website is to provide a centralized infrastructure where NRC and other stakeholders coordinate and share experiences and resources to raise the quality and efficiency of Radiation Protection Codes.   The RAMP Website will also support access to users' forums, training and technical assistance for codes, and connections and links to vendors that develop the codes.   The Website's framework and structure were built under MOM FA2 TO # 10.

The RAMP codes, databases and GUIs include the following but are not limited to:

* RASCAL: Radiological Assessment System for Consequence AnaLysis code.   The Radiological Assessment Systems for Consequence Analysis (RASCAL) computer code evaluates releases from nuclear power plants, spent fuel storage pools and casks, fuel cycle facilities, and radioactive material handling facilities and is designed for use by the NRC in the independent assessment of dose projections during response to radiological emergencies.   It is the premier code used by US NRC's emergency operations center.

* RADTRAD: RADionuclide Transport Removal And Dose Estimation code.   The RADTRAD code is used to assess occupational radiation radiation exposures, typically in the control room; to estimate site boundary doses; and to estimate dose attenuation due to modification modification of a facility or accident sequence. RADTRAD models the accident dose consequences resulting from the release and and transport of fission products and it is used by the US NRC in the evaluation of license's amendment requests to assess dose consequences of design basis accidents.   RADTRAD plugs into Symbolic Nuclear Analysis Package (SNAP).

- HABIT: computer code for evaluating control room <u>HABIT</u>ability. The HABIT code is an integrated set of computer programs used mainly to estimate chemical exposures that personnel in the control room of a nuclear facility would be exposed to in the event of an accidental release of toxic chemicals.

- GALE: The FORTRAN based gaseous and liquid effluent (GALE) code estimates the quantities of radioactivity released by a plant through liquid and atmospheric discharges during routine operations for pressurized-water reactors (PWR) and boiling-water reactors (BWR).

- DandD: The Decontamination and Decommissioning (DandD) software package, developed by NRC, assesses compliance with the dose criteria of 10 CFR Part 20, Subpart E. Specifically, DandD embodies NRC's guidance on screening dose assessments to allow licensees to perform simple estimates of the annual dose from residual radioactivity in soils and on building surfaces. For a screening assessment with DandD, NRC has predefined conceptual models for the scenarios along with default parameter distributions (based on NUREG/CR–5512, Volumes 1 and 3). DandD can also be used for site-specific analysis after verification that the site conceptual model is compatible with the conceptual model of the code.

- VARSKIN: computer code for calculating <u>Skin</u> dose. VARSKIN assesses compliance with the dose criteria of 10 CFR Part 20. The code is used to perform confirmatory calculations of licensees' submittals regarding skin dose (from both beta and gamma sources) estimates at any skin depth or skin volume, with point, disk, cylindrical, spherical, or slab (rectangular) sources, and even enables users to compute doses from multiple sources.

- PIMAL: <u>P</u>hantom w<u>I</u>th <u>M</u>oving <u>A</u>rms and <u>L</u>egs is a graphical user interface with pre-processor and post-processor capabilities which assists users in developing MCNP input decks and running the codes. It allows users to easily generate quantitiative figures of merit regarding positioning arms and legs in difference geometries. PIMAL software is considered an efficient and accurate tool for performing dosimetry calculations for radiation workers and exposed members of the public.

- Radiological Toolbox   The Radiological Toolbox provides ready access to data of interest in radiation protection of workers and members of the public.   The data include dose coefficients for intakes of radionuclides, exposure to radionuclides distributed in the environment, and for exposures to photon and neutron radiation fields.   Other supportive data include interaction coefficients for alpha, electron, photon and neutron radiations, nuclear decay data, biological and physiological data, and supplemental information on various topics.

- SNAP (Symbolic Nuclear Analysis Package) is a graphical user interface with pre-processor and post-processor capabilities which assists users in developing RADTRAD input decks and running the codes.

- LADTAP AND GASPAR: The computer code calculates radiation doses to humans from routine liquid gaseous effluent releases.

- XOQDOQ: This computer code is an atmospheric dispersion code for routine releases.

- PAVAN: This computer code is an atmospheric dispersion computer code for design-basis accidents releases to the exclusion area boundary and outer boundary of the low population zone.

- ARCON96:   This computer code is an atmospheric dispersion code for design-basis accident releases to the nuclear power plant control room and technical support center.

- RABFIN, PARTS and RATAF: These are computer codes that calculate doses from noble gases of gaseous effluents, iodine and particulate portions of gaseous effluents and doses of radioactive liquid tank failures, respectively.

- Other Radiation Protection Codes: The NRC has several other radiation protection codes under RAMP.   These codes will be supplied to the Contractor as part of the operating phase of the site.

C.3 SCOPE

The scope of work will involve hosting, deploying, operating and maintaining the RAMP Website, and providing modernization support for RAMP codes.

C.4 PERFORMANCE REQUIREMENTS

C.4.1 Tasks

Task 1: Project Management

The Contractor shall provide business and information technology project management support to meet the proposed requirements in this Performance Work Statement.   The Contractor shall provide a Project Manager (PM) to oversee and manage all aspects of this project.   The PM will be the single POC for the NRC TOCOR.   He/she will be responsible for managing resources, overseeing tasks, monitoring progress, reporting, and resolving issues.

The PM shall participate in the TOCOR's Kickoff meeting and develop a project schedule based on feedback received during that meeting.   The Project Schedule must include all activities, milestones, and deliverables with start and end dates.   The Project Schedule must identify those activities that establish the critical path.

Task 2: RAMP Website Hosting, Operations and Maintenance

The Contractor shall host, deploy, operate and maintain the newly developed RAMP Website.   The Contractor shall also provide content management for the RAMP website as directed by the NRC TOCOR, which will include but is not limited to:

- Uploading documentation as requested by the TOCOR;
- Monitoring email resource groups for RAMP and individual computer codes;
- Responding to stakeholder requests from the email resource group; this includes email, phone, or fax communications;
- Providing access to individuals for computer codes on behalf of the NRC RAMP Administrator;
- Monitoring User Forums and responding as directed by the NRC TOCOR;
- Providing maintenance updates including enhancements and fixes to the RAMP website;

- Providing updates to the website operating environment, including security and other related patches or enhancements;
- Supporting and facilitate integration of main RAMP website with the NRC website;
- Supporting and facilitate the integration of the main RAMP website with other Contractor Codes, documentation, and user access; and
- Adding additional codes, to the RAMP website, as directed by the COR.

Task 3: Provide Modernization Support for RAMP Codes

The primary objective of this task is for the Contractor to provide software modernization recommendations for computer codes in RAMP. This includes documenting the state and status of codes that were developed over 30 years ago, and advising on options for updating programming languages to meet scientific needs and researching cost. The overall goal of this task is to document how these codes can run efficiently and effectively at present and in the future. As directed by the NRC TOCOR, the Contractor shall provide modernization support for RAMP codes that includes but is not limited to:

- Providing guidance on Code Modernization principles;
- Re-hosting and Upgrade of RAMP codes to NRC's platform;
- Ensuring the codes are section 508 compliance (i.e., color-blind and hearing-impaired individuals);
- Developing and modifying front and back end Graphical User Interfaces for RAMP Codes;
- Developing code structure to allow for a place-holder for additional models upgrades; and
- Supporting codes on different platforms including but not limited to: Windows PC - 32 bit*, Windows PC - 64 bit*, Linux PC - 32 bit*, Linux PC - 64 bit*, and Mac/OSX (or later)* running the following Fortran compilers and tools: Intel Visual Fortran (for Linux and Windows)* and Microsoft Visual Studio*, Totalview Fortran debugger for Linux*, NAG Fortran compiler for Linux*, NAG Fortran compiler for Mac/OSX*, Lahey (Linux and Windows)*, Compaq Visual Fortran, Salford compiler, IBM xlf compiler (for Apple), g95 compiler, Portland Group compiler, PathScale compiler, and gfortran compiler.

C.5   PERFORMANCE STANDARDS

Performance standards establish the performance levels required by the Government. All of these standards shall be captured and clearly displayed in the Quality Assurance Surveillance Plan (QASP)

Examples of performance standards:

- **Quality standards:** conditions, error rates, accuracy, form/function, reliability, maintainability.

- **Quantity standards:** capacity, output, volume, amount.

- **Timeliness standards:** response times, delivery, completion times, milestones.

- **Method of Surveillance:** clearly state to the Contractor how you plan on monitoring their work. Examples: 100 percent inspection, random sampling, periodic inspection, customer input, Contractor self-reporting, etc.

- **Incentives:** Incentives should be based on tasks or deliverables that are critical to the project. Monetary incentives, if any, shall be funded at the time of the award. They may be either positive, negative, or a combination of both. Incentives may be monetary or non-monetary. Incentives do not need to be present in every performance-based contract as an additional fee structure. In a fixed-price contract, the incentives would be embodied in the pricing and the Contractor could either maximize profit through effective performance or have payments reduced because of failure to meet the performance standard.

C.6   DELIVERABLES AND DELIVERY SCHEDULE

List all outputs/outcomes with specific due dates or time frames. Include media type, quantity, and delivery point(s). State due dates in terms of calendar days after task order award. A sample table is provided which is highly recommended to make sure the deliverables are clearly defined and understood by all parties.

Tasks	Service/Deliverable	Due Date
1	Participate in Task Order Kickoff Meeting	Kickoff meeting to be scheduled within fourteen (14) days of Task Order award
1	Develop Project Schedule base on feedback received during the Kickoff Meeting	Draft Project Schedule due 14 days after Kickoff meeting is convened; Final Final Project Schedule due 5 days after after feedback is received from TOCOR

		TOCOR
2	Host the RAMP Website	Within thirty (30) days of Task Order award
2	Deploy the RAMP Website	Within two (2) months of Task Order award
2	Operate and Maintain the RAMP Website	Ongoing for the life of the Task Order
2	Bi-weekly RAMP Website status and progress meeting	Provide updates in person or by phone during bi-weekly meetings and in the monthly status report
3	Provide Modernization Support for RAMP Codes	As requested by the NRC TOCOR

C.7   GOVERNMENT-FURNISHED PROPERTY

The NRC will provide the Contractor with the following Government Furnished Property (GFP).

Facilities: (If applicable) N/A

Equipment: (If applicable) N/A

Computer Access: N/A

At the end of this task order, disposition of GFP shall be in accordance with FAR 52.245-1, Government Property.

C.8   QUALITY CONTROL

The Contractor shall develop and maintain a complete Quality Control Plan (QCP) to ensure that the requirements of the contract are performed in accordance with this PWS. The QCP shall describe the methods for identifying, preventing, and ensuring any defective services are corrected before the level of performance becomes unacceptable.

One copy of the Contractor's QCP shall be provided to the CO at the time its proposal is submitted. After acceptance of the QCP the Contractor shall receive the CO acceptance in writing of any proposed changes to its plan. An updated copy of the QCP must be provided to the CO as changes occur during the performance of the contract.

C.9   PLACE OF PERFORMANCE

Work for this task order shall be performed at the Contractor site. The Contractor will be required to attend meetings at NRC Headquarters on a bi-monthly basis or as requested by the TOCOR to discuss the deliverables.

C10   SECURITY

Work performed under this TO will be unclassified. Contractor personnel performing work under this TO must have IT Access Level I at time of the proposal submission, and must maintain the level of security required for the life of the contract/TO. The Contractor submits clearance forms as designated in MD 12.3 to the TOCOR.

Facility security approval is also required when employees of the Contractor require access to classified information in connection with contract/order performance but do not use, store, or possess classified information outside of NRC facilities. When Contractor personnel perform unclassified work at NRC buildings only infrequently, access will be controlled by the issuance of visitor badges.

The Contractor is responsible for ensuring that all its employees, including any sub-contractor employees and any subsequent new employees, who are assigned to perform the work on site, are approved by the NRC for building access.

Contractor personnel performing work under this contract or task order shall satisfy all requirements for appropriate security eligibility as specified in the contract/order in dealing with access to sensitive electronic information and information systems belonging to or being used on behalf of the NRC.

All costs associated with obtaining clearances for Contractor-provided personnel will be the responsibility of the Contractor. Further, the Contractor will be responsible for the actions of all individuals provided to work under this contract/order. If damages arise from work performed by Contractor-provided personnel under the auspices of this contract/order, the Contractor will be responsible for all resources necessary to remedy the incident.

In response to Homeland Security Presidential Directive 12 (HSPD 12), the Department of Treasury has initiated a program for improving the identification and authentication of Federal Contractors for access to Federal facilities and electronic and information technology (EIT) systems. Federal Contractor employees with access to Federal facilities and information systems are required to comply with standards developed for the Personal Identity Verification (PIV) of Federal Employees and Contractors in order to satisfy the requirements of HSPD 12. These standards require the creation of biometric data cards and systems to identify Contractor employees. Biometric data includes personal identification information such as fingerprints and facial images and allows this personal information to be electronically stored, maintained, and accessed by the Government. All data required by Treasury's PIV system will be provided by Contractors before access to Federal facilities and information systems are granted. All Contractors shall comply with HSPD-12 requirements as they are implemented or changed.

C.11   SPECIAL QUALIFICATIONS / KEY PERSONNEL REQUIREMENTS

The Contractor shall be responsible for providing personnel with the requisite skills necessary to support and accomplish the task outlined in this PWS, to include the following skills.

* Website Development

* Telecommunications / Internet-working Design

* Computer Programmer

* Support Specialist

C.12   SECTION 508 – ELECTRONIC AND INFORMATION TECHNOLOGY STANDARDS

In December 2000, the Architectural and Transportation Barriers Compliance Board (Access Board), pursuant to Section 508(2)(A) of the the Rehabilitation Act Amendments of 1998, established information technology accessibility standards for the federal government. Section

government. Section 508(a)(1) requires that when federal departments or agencies develop, procure, maintain, or use Electronic and Information Technology (EIT), they shall ensure that the EIT allows federal employees with disabilities to have access to and use of information and data that is comparable to the access to and use of information and data by other Federal employees. The Section 508 508 requirement also applies to members of the public seeking information or services from a federal department or agency. Section 508 text 508 text is available at http://www.opm.gov/HTML/508-textOfLaw.htm or http://www.section508.gov/

All Electronic and Information Technology (EIT), as defined at FAR 2.101, supplied under this contract/order must conform to the Architectural and Transportation Barriers Compliance Board Electronic and Information Technology Accessibility Standards (36 CFR Part 1194). The applicable standards are available at: http://www.access-board.gov/sec508/guide/index.htm

The following standards are applicable to this contract/TO:

- Software Applications and Operating Systems (1194.21)
- Web-based Intranet and Internet Information and Applications(1194.22)
- Telecommunications Products (1194.23)
- Video and Multimedia Products (1194.24)
- Self-Contained, Closed Products (1194.25)
- Desktop and Portable Computers (1194.26)

SECTION D - PACKAGING AND MARKING

See the base contract

SECTION E - INSPECTION AND ACCEPTANCE

See the base contract

SECTION F - DELIVERIES OR PERFORMANCE

See the base contract

SECTION G - CONTRACT ADMINISTRATION DATA

G.1   TASK ORDER CONTRACTING OFFICER'S REPRESENTATIVE (COR)

(a) The contracting officer's authorized representative hereinafter referred to as the Task Order COR for this task order is:

Name: **Stephanie Bush-Goddard**
Email Address: Stephanie.Bush-Goddard@nrc.gov
Telephone Number: 301-251-7528

(b) Performance of the work under this contract is subject to the technical direction of the NRC Task Order 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 Performance Work Statement (PWS) or changes to specific travel identified in the PWS), fills in details, or otherwise serves to accomplish the contractual PWS.

(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 contract, approve technical reports, drawings, specifications, and technical information to be delivered by the contractor to the Government under the contract.

(c) Technical direction must be within the general statement of work stated in the contract. The Task Order 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 contract.

(2) Constitutes a change as defined in the "Changes" clause of this contract.

(3) In any way causes an increase or decrease in the total estimated contract cost, the fixed fee, if any, or the time required for contract performance.

(4) Changes any of the expressed terms, conditions, or specifications of the contract.

(5) Terminates the contract, settles any claim or dispute arising under the contract, or issues any unilateral directive whatever.

(d) All technical directions must be issued in writing by the Task Order COR or must be confirmed by the Task Order COR in writing within ten (10) working days after verbal issuance. A copy of the written direction must be furnished to the contracting officer. A copy of NRC Form 445, Request for Approval of Official Foreign Travel, which has received final approval from the NRC must be furnished to the contracting officer.

(e) The contractor shall proceed promptly with the performance of technical directions duly issued by the Task Order COR in the manner prescribed by this clause and within the Task Order COR's authority under the provisions of this clause.

(f) If, in the opinion of the contractor, any instruction or direction issued by the Task Order 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 contract accordingly. Upon receiving the notification from the contractor, the contracting officer shall issue an appropriate contract 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.

(g) Any unauthorized commitment or direction issued by the Task Order 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 contract.

(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.

(i) In addition to providing technical direction as defined in paragraph (b) of the section, the Task Order 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 costs requested for reimbursement by the contractor and submit to the contracting officer recommendations for approval, disapproval, or suspension of payment for supplies and services required under this contract.

(End of Clause)

SECTION H - SPECIAL CONTRACT REQUIREMENTS

See base contract

SECTION I - CONTRACT CLAUSES

See base contract for clauses that apply to this task order.

SECTION J – TASK ORDER ATTACHMENTS

1. Cost/Price Schedule – Refer to pages 20-21
2. Quality Assurance Surveillance Plan (QASP) – Refer to pages 22-23

COST/PRICE SCHEDULE

	Vendor Labor Category	Lab Cat	Base Year 1			Option Year 1		
			Hours	Rate	Price	Hours	Rate	Price
			2/22/15 - 9/25/15 OY3 MOM FA2 Contract Rates			9/26/15 - 09/25/16 OY4 MOM FA2 Contract Rates		
L1075	Software Engineering Mgr	M54						
E1805	Comp Systems Architect Sr Stf	C54						
E2285	Applcation SW Dev Anlst Sr Stf	A54						
SME2	Subject Matter Expert - 2	Z24						
SME3	Information Sys Anlst Sr	I34						
	Total Labor		▮	▮	▮			$271,495.75

Other Direct Costs	Quantity	Unit Price	Price	Quantity	Unit Price	Price
Infrastructure Support for Website Hosting	▮	▮	▮	▮	▮	▮
Indirect Rates						
MHX		▮	▮		▮	▮
Product Line Works (PLW)		▮	▮		▮	▮
General & Administrative (G&A)					▮	▮
Total ODC			▮			▮
Total Labor and ODC			▮			$290,633.81

COST/PRICE SCHEDULE (Continued)

Vendor Labor Category	Lab Cat	Option Year 2			Total Price
		Hours	Rate	Price	
		9/26/16 - 09/25/17			
		OY5 MOM FA2 Contract Rates			Total Price
L1075 Software Engineering Mgr	M54				
E1805 Comp Systems Architect Sr Stf	C54				
E2285 Applcation SW Dev Anlst Sr Stf	A54				
SME2 Subject Matter Expert - 2	Z24				
SME3 Information Sys Anlst Sr	I34				
Total Labor		▮	▮		$645,748.27

Other Direct Costs	Quantity	Unit Price	Price	Price
Infrastructure Support for Website Hosting	▮	▮	▮	▮
Indirect Rates				
MHX		▮	▮	▮
Product Line Works (PLW)		▮	▮	
General & Administrative (G&A)		▮	▮	▮
Total ODC			▮	▮
Total Labor and ODC			$255,034.51	$693,669.31

Task Order Quality Assurance Surveillance Plan (QASP)

The contractor shall provide accurate metrics for the defined performance measures. The contractor shall also make available to the Government any source data for the measured metrics when requested to substantiate the reported metrics.

Table Column Definitions
- Required Services: the type of support service being rendered under the scope of the contract
- Performance Measure: detailed description of what the measure is assessing
- Acceptable Quality Level: the benchmark for satisfactory performance
- QASP Monitoring Method: the calculation involved in arriving at the final

Required Services	Performance Measure	Acceptable Quality Level (AQL)	QASP Monitoring Method
Participate in TO Kickoff Meeting	The Kickoff meeting must be convened within 14 days of TO award.	No deviation.	100% Inspection
Develop Project Schedule	Draft Project Schedule will be due fourteen (14) days after Kickoff meeting is convened. Final Project Schedule will be due 5 days after feedback from TOCOR is received.	No deviation.	100% Inspection
Bi-weekly RAMP Website Status and Progress Meetings	Participate in two meetings per month (or as requested by the TOCOR), either in person or by teleconference.	No deviation.	100% Inspection Customer Input Self-reports by Contractor
Host the RAMP Website	The website will be hosted within 30 days of TO award.	Deviation is not not more than 5	100% Inspection

Required Services	Performance Measure	Acceptable Quality Level (AQL)	QASP Monitoring Method
		5 business days. days.	
Deploy the RAMP Website	The website should be deployed within two (2) months of TO award.	Deviation is not more than 5 business days.	100% Inspection
Operate and maintain the RAMP Website	The Website must be available seven days per week, 24 hours per day.	Deviation is not more than 30 minutes over a three-month period of down time.	Periodic Inspection Customer Input
Provide Modernization Support for RAMP Codes	The TOCOR will provide technical direction to the Contractor with respect to code modernization support. The Contractor will not be required to modernize RAMP codes.	No deviation.	Periodic Inspection Customer Input