

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		BPA NO.	1. CONTRACT ID CODE	PAGE 1	OF 10
2. AMENDMENT/MODIFICATION NO. M013		3. EFFECTIVE DATE See block 16c.	4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)
6. ISSUED BY U.S. Nuclear Regulatory Commission Div. of Contracts, CMB3 Attn: Adelis M Rodriguez, 301-492-3623 Mail Stop TWB-01-B10M Washington, DC 20555		CODE 3100	7. ADMINISTERED BY (If other than Item 6) U.S. Nuclear Regulatory Commission Div. of Contracts Mail Stop TWB-01-B10M Washington, DC 20555		CODE 3100
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) OAO CORPORATION Attn: Patricia Gagliemo-Prior 5290 Shawnee Road Alexandria VA 22312			9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER NO. GS35F4524G NRC-DR3307358T011 10B. DATED (SEE ITEM 13) 09-26-2007		
CODE 074830209		FACILITY CODE		X	
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> 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 ACKNOWLEDGMENT 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) Obligate: \$0.00, NAICS: 541511					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
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 data, 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:					
D. OTHER (Specify type of modification and authority) x Mutual Agreement of the Parties					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return 0 copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)					
The purposes of this modification are as follows:					
1) To add additional within scope work to this task order.					
2) Increase the ceiling by \$458,944.69 from \$4,182,257.53 to \$4,641,202.22.					
***Additional details are on page 2.					
Total order ceiling: \$4,641,202.22 (changed)					
Total obligated amount: \$4,107,992.29 (unchanged)					
Period of Performance: September 26, 2007-March 25, 2011 (unchanged)					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print) P.A. GAGLIEMO - PRIOR CONTRACTS MANAGER		15B. CONTRACTOR/OFFEROR <i>P.A. Gagliemo Prior</i> (Signature of person authorized to sign)		15C. DATE SIGNED 1/5/11	
16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Dominique Malone Contracting Officer		16B. UNITED STATES OF AMERICA BY <i>Dominique C Malone</i> (Signature of Contracting Officer)		16C. DATE SIGNED 1/6/2011	

1. The purposes of this modification are:

- a. To add additional work to task order 11 and incorporate increased hours for the labor categories.
- b. To increase the ceiling of this task order by \$458,944.69 from \$4,182,257.53 to \$4,641,202.22.
- c. To incorporate the additional work, milestones and deliverables (attached) into the Statement of Work located in Section C of this task order.
- d. To incorporate the additional cost schedule (attached) which list the labor categories and their increased hours.

The following is a summary of obligations from the date of award through the date of this action:

Award FY07 Obligation	\$238,677.00
Mod 1 FY08 Obligation	\$302,260.97
Mod 2 FY08 Obligation	\$332,000.00
Mod 4 FY09 Obligation	\$255,000.00
Mod 5 FY09 Obligation	\$232,349.54
Mod 6 FY09 Obligation	\$411,699.15
Mod 7 FY09 Obligation	\$689,537.40
Mod 8 FY09 Obligation	\$24,200.00
Mod 9 FY10 Obligation	\$1,000.00
Mod 10 FY10 Obligation	\$860,489.23
Mod 11 FY10 Obligation	\$670,779.00
Mod 12 FY10 Obligation	\$90,000
Mod 13 FY11 Obligation	\$0.00
Total NRC Obligation	\$4,107,992.29

Summary - Total Obligations by Job Code Number:

J1073	\$1,000.00
J1270	\$485,389.23
J1271	\$271,920.73
J1272	\$2,500,682.33
J1412	\$100,000.00
J7002	\$50,000.00
N7378	\$184,000.00
N7383	\$290,000.00
Q4190	\$25,000.00
T8479	\$200,000.00
Total NRC Obligation	\$4,107,992.29

All other terms and conditions remain unchanged.

Environment Administration

A. Background

The M&O support environment is equal to the agency production environment. The M&O environment consists of workstations; input and output devices (scanners and printers); workstation-based standard software products utilized to support maintenance, enhancement, operational support, and delivery order project management activities; LAN services; files servers (workspace for maintenance and enhancement activities); communications lines; 10MB LAN service connection (provided by the contractor at the contractors expense - NOT Reimbursed by NRC) ; and C/S servers.

It is anticipated that in the future NRC will provide as Government Furnished Equipment (GFE) the capability to use virtual servers and replace the existing environment and the contractor shall be required to operate, maintain, and obtain an Authority to Operate following the NRC Certification and Accreditation process.

1. Workstations

The contractor shall provide the space for a separate development environment for up to twenty-five people. This shall include but is not limited to desks, chairs, and other equipment that will ensure continuing maintenance and operations efforts and support development by NRC or its contractors. The contractor will be responsible for providing space and maintaining the equipment and facility.

A sufficient number of standard NRC workstations configured to agency standard and populated with the agency standard image will be supplied by the Government to support M&O efforts. These workstations shall reside at the Contractor facility for the course of the contract. Maintenance of these workstations will be the responsibility of the NRC.

The NRC will ensure that agency standard Images are maintained through the scheduled Workstation Remote Upgrade (WOO push) approach.

2. Input and Output Devices

Sufficient LAN printers will be installed at the Contractor site by the NRC to support the delivery order administration, M&O support, and minor enhancement activities. Workstation printers will be provided only when requirements and justification are reviewed and approved by the NRC. Scanners will be installed at the Contractor site by the NRC to support the delivery order operational support and maintenance activities.

3. Workstation-Based Standard Software Products

Standard software maintenance products will be provided sufficient to maintain applications assigned by task order. Additionally, project management software shall be provided and installed to specified workstations. This software will be installed by the NRC's installation contractor and shall not be deinstalled or reinstalled to another workstation by the M&O contractor. (An exception to this restriction on installation and uninstallation of software is defined for the test area machines in Section C.7.)

4. LAN Services

Standard LAN Services consisting of communications/emulation, email, printing, word processing, and spreadsheet shall be made available to all NRC workstations located at the contractor site and will be synchronized through remote update procedures as the agency LAN Services environment. Maintenance of LAN environment shall be performed by the NRC. The separate development space will have a separate LAN that is not connect to the NRC POE.

5. File Servers (Workspace)

The NRC shall supply access to a number of file servers in support of M&O work activities; these shall include server space for M&O support activities, and a CM Central Library server for storage of all NRC LAN and C/S base application systems which have not been decommissioned whether maintained by the Contractor under a maintenance and/or operational support task order or not. The CM Central Library represents a central repository concept for maintaining an operational baseline copy of the latest version of all NRC application systems for use by staff and contractors. Maintenance of the CM Library shall be the responsibility of an independent Contractor other than the Contractor for this M&O delivery order. File servers shall be housed at either the NRC Headquarters location or the independent Contractor's facility as determined by the NRC.

6. Communications and Wiring

Communications shall be provided via the NRC gateway for contractor access to the mainframe environment and Internet except for the separate development environment which shall have internet connection. The gateway is part of the NRC wide area network (WAN) and connection to the NRC LAN shall provide these accesses.

The Contractor will be responsible for the capability of a 10MB LAN service to provide connectivity from the NRC hub and router, which shall be resident in the Contractor's facility, to the NRC Headquarters location. The Contractor shall be responsible for any internal wiring to the hub necessary at Contractor workspace housing an NRC workstation. The contractor shall be required to provide up to 8 VPN sessions to the development environment and maintain the authentication requirements for access to the development environment through the VPN. No other external access will be permitted to the Development environment.

Since an NRC hub and router will be resident at the Contractor's facility, the Contractor shall be responsible for providing appropriate locations to secure this equipment and proper ventilation and power conditioning to support it.

It is anticipated that the Contractor shall wire once for the defined task order staffing. The Contractor shall assume that additional staff required with the addition of task orders will result in a new definition of ODC requirements which shall include wiring, for example, where these task orders are M&O in nature. The Government shall not be responsible for payment for ODCs associated with wiring when the wiring is necessitated by a move that is for the convenience of the Contractor or for purposes other than to support M&O work.

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7. C/S Servers

Access to C/S servers (generally, IBM RISC boxes) shall be provided for maintenance and operational support activities through the NRC LAN connection. These servers shall be housed at the NRC Headquarters location.

The Contractor shall make use of the NRC Testing Laboratory located at the NRC Headquarters facility for all system, acceptance and final integration testing. Procedures for scheduling workstations and installing application for testing in this environment shall be provided by the NRC.

B. Scope

The scope of this environment administration effort covers establishing and maintaining a point of contact (the level of effort (labor) necessary) to provide the NRC with sufficient information to plan agency upgrades (desktop and LAN); ensure that appropriate safeguards are established, enforced, and maintained for NRC equipment and software placed at the Contractor site; ensure adherence to agency standards and vendor product license agreements; and provide for proper housekeeping of NRC resources (e.g., workspace). It is expected that the housekeeping, equipment and software safeguards, and adherence to agency standards and license agreements shall be accomplished through the development and education of written procedures by all Contractor staff. It is further expected that administrative controls to ensure that the single point of contact approach required by the Government will be established and adhered to throughout the delivery order period of performance.

The contractor shall provide the space for a separate development environment for up to twenty-five people. This shall include but is not limited to desks, chairs, and other equipment that will ensure continuing maintenance and operations efforts. The Contractor shall produce regularly scheduled reports on the configuration of workstations, vendor software availability, and security (rights groups).

The Contractor shall provide the proper power conditioning to ensure that NRC hubs and routers/switches are properly protected.

To ensure that agency standard workstation configurations are present for the various M&O platforms, the Contractor shall provide periodic reporting on the environment (hardware and software), its use, and serve as the point of contact for any service requests for these components and access to the facility by the NRC and its service providers (including occasional weekends and after normal work hours for exigent circumstances).

For definition purposes, the Contractor shall understand that the Contractor site environment represents a subset of the overall GFE issued to the Contractor. The

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Contractor site environment is a work environment that represents configurations that provide for an operational support and maintenance environment based upon the NRC's production environment.

C. Statement of Work

1. Management and Planning for the M&O Facility

- a. The Contractor shall determine needs and business justifications for the NRC in support of additional copies of vendor software products already supplied (see 2.A.3). These recommendations, justifications, and costs shall be provided to the NRC TOM for approval. Examples of these activities are determinations of proper levels of vendor software products for M&O support activities; additions or alterations to internal wiring to accommodate additional staffing or functionality (see Background, Item 6 above); designating machines to a specific use, such as providing for specific platforms or configurations for maintenance or operational support; and maintenance of proper power conditioning and space utilization.
- b. The Contractor shall provide wiring as approved by the NRC Work Effort Manager as a result of NRC's review and approval of recommendations for product procurement as submitted under Item 1.a above.
- c. The Contractor shall ensure that all workstations are connected to the network and can be upgraded through NRC's remote workstation upgrade of the standard NT Image (WOO push) approach to maintain currency. The Contractor shall accommodate NRC equipment, such as routers and hubs, and ensure their operability. The Contractor shall ensure that each and every workstation assigned to the M&O support environment is appropriately powered on so that these remote update processes can be accomplished. The Contractor shall respond to requests from the NRC to power up or restart hubs and switches to minimize the need for the NRC's other service provider to travel to the Contractor's facility when only minor restart actions are necessary.
- d. The contractor shall provide space for up to twenty-five people, including the desks, chairs, and provided government furnished equipment.
- e. The Contractor shall maintain the facility, the data lines, and the universal power supply (UPS). Should the Contractor need to have NRC LAN or network contractors available for weekend work, the Contractor shall follow the guidance defined in Task Order No. 2—Attachment A) and submit such to the NRC TOM, thereby allowing the TOM the timeframe indicated to secure the services.

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2. Central Technical and Administrative Point of Contact

- a. The assigned Contractor staff shall serve as a central point of contact for the Contractor M&O support environment and as such shall develop procedures that ensure that it maintains a current knowledge of the machines, setups, and software that make up the environment. Further, the Contractor shall be aware of any problems and requests for services for these machines and ensure that all movement of these machines or changes are properly channeled through the NRC TOM for service. The Contractor shall also ensure that pertinent information resulting from these services is captured in the reports produced as part of Section 5, below.
- b. The Contractor shall provide access and escort service to other NRC contractors who need to perform work at the Contractor's facility and shall follow procedures defined in Task Order No. 2—Attachment A when in need of NRC contractor services during nonwork hours or weekends.
- c. The assigned Contractor personnel shall serve as the internal technical resource to the task orders issued under the delivery order regarding infrastructure services including mail, LAN connectivity, upgrades, server replacement, and consolidation efforts.

3. Management of Resources

- a. The Contractor shall prepare detailed, defensible projections for additional server space and submit these to the NRC TOM should the work level increase under the delivery order or resource needs increase. Requests for additional resources should only be made when the Contractor can assure the NRC that it has exercised good housekeeping practices through the development of internal delivery order guidance and procedures and vigilant monitoring for conformance and a determination that the resources are still insufficient for the work efforts. The Contractor shall document its internal guidance and procedures, provide appropriate guidance to its staff, and continually monitor for conformance.
- b. The Contractor shall establish and enforce appropriate procedures to ensure the integrity of the M&O environment and its use for only these activities. These procedures shall include the designation and documentation of rights groups for directory (workspace) access on the file server(s) and coordination with the independent NRC contractor responsible for the central CM server. A report of these rights groups and names assigned by server name shall be delivered to the NRC TOM when new ones are created or when names are deleted or added to a group. An initial report of rights groups by server is requested within 1 month of contact startup. (See Task Order No. 2—Attachment B.) The Contractor

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shall, however, be prepared to define to the NRC TOM the members of these groups and their assigned LAN ID upon request (not expected to be more frequently than monthly).

- c. The Contractor shall ensure that the proper use levels are adhered to and that vendor license conditions are followed for vendor software products provided by the NRC. Additionally, the Contractor shall ensure that only software with valid licenses is installed on workstations and that "shareware" and "freeware" are not installed without prior approval from the TOM and prior approval by the NRC Environmental Change Control Board (ECCB).
- d. The Contractor shall maintain an inventory of vendor software products provided for maintenance and their workstation/server assignment and shall secure this software and the associated manuals. The Contractor shall ensure that license conditions regarding use and installation are honored.

4. Coordinating Work Environment to Agency Standard and Plans

The Contractor shall assist in the reviews and the definition of scope and schedules for implementation of NRC infrastructure changes at the Contractor site. In support of the NRC infrastructure change planning effort, the Contractor shall respond to ad hoc requests for reports. Such ad hoc requests are expected to occur once per month for all M&O support equipment and infrastructure-delivered software.

5. Reporting on the Environment

The Contractor shall provide reports to the NRC TOM monthly and emails whenever there are any changes to the M&O support environment (i.e., addition of workstations, movement of workstations, and changes in the machine/software configurations). Emails shall include NRC CPU Tag numbers, user information, and where necessary, software product and version. These emails are to be sent no later than 2 business days after the change is reported to the NRC TOM as an interim means of keeping the NRC informed that pen and ink changes that will be necessary to the reports to answer questions internal to the NRC until the updated (next monthly) reports are delivered. (See Attachments C-1, C-2, C-3, C-4, and C-5 for examples of NRC Router/Hub/Switch reports and workstation, security, and software reports.)

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6. Providing Internal Contract Support to Project Planning

- a. The Contractor shall provide any technical guidance and direction necessary internal to the delivery order to properly set up new users.
- b. The Contractor shall evaluate and document needs, submit requests with all details of location, NRC tag number, user information, software, and contacts to establish new workspaces for newly hired or reassigned Contractor staff. Information shall be complete and submitted at least 1 week before the required date of service to the NRC TOM.

7. Testing Laboratory Support

The Contractor shall isolate six workstations to serve as an independent test area within the separate development environment in the facility. The Contractor shall be responsible for application installation and installation of approved vendor products necessary for application functionality (e.g., Crystal Reports) in preparation for testing on only these machines. During the installation activities associated with the preparation for testing, the Contractor shall note any unique configurations or software and shall provide the name and number for the system assigned to the NRC Workstation Manager, the M&O CM Manager, and the Application Maintenance Team Leader. Upon completion of testing, the Contractor shall return these test machines to their original vanilla state by reinstalling the application and the special software and removing testing files. The Ghost software approach is provided by the NRC to the Contractor for this purpose.

D. Place of Performance

The Contractor shall perform most of the required services under this task order at its site.

E. Deliverables

The NRC will provide the Contractor with the Initial Government-furnished software and hardware equipment inventory. The Contractor shall be responsible for maintaining the inventory and submitting the following monthly reports:

Section C.3

<u>Milestone/Deliverable</u>	<u>Responsibility</u>	<u>Delivery Schedule</u>
Rights Lists for Servers (Attachment B)	Contractor	30 days from work effort approval and when rights groups are added, deleted, or members

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changed

Section C.4

<u>Milestone/Deliverable</u>	<u>Responsibility</u>	<u>Delivery Schedule</u>
Ad Hoc Database Reports (Section 4)	Contractor	As agreed upon by the NRC TOM and the Contractor

Section C.5

<u>Milestone/Deliverable</u>	<u>Responsibility</u>	<u>Delivery Schedule</u>
M&O Software Inventory Report (Attachment C-1)	Contractor	2 nd week of each month
M&O Workstation HW Configuration Report (Attachment C-2)	Contractor	2 nd week of each month
M&O Common Use Room Configuration Report and Report for Hubs (Attachment C-3)	Contractor	2 nd week of each month
M&O Desktop Configuration HW/SW Report (Sorted by User Name and sorted by SW Product) (Attachment C-4)	Contractor	2 nd week of each month
M&O Tagged Equipment Report (Attachment C-5)	Contractor	2 nd week of each month
Emails on Lab Configuration Changes (Section 5)	Contractor	Within 2 business days of change

F. Expertise/Skills

Personnel shall be well versed in the LAN environments and requirements for internal wiring. They shall possess working knowledge of the use of MS-ACCESS for database entry and reporting. They shall be capable of developing, reviewing, and commenting on technical plans for full M&O support for the contract. Both hardware and software technical knowledge are necessary.