

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

BPA NO.

1. CONTRACT ID CODE

PAGE

OF PAG

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2. AMENDMENT/MODIFICATION NO. 024	3. EFFECTIVE DATE 09/26/2003	4. REQUISITION/PURCHASE REQ. NO. 7/17/03 & 7/18/03 ASL03318 & ASL03317	5. SUBJECT NO. (If applicable)
6. ISSUED BY U.S. Nuclear Regulatory Commission Division of Contracts Attn: T-7-I-2 Contract Management Center 1 Washington DC 20555-0001		7. ADMINISTERED BY (If other than Item 6) U.S. Nuclear Regulatory Commission Div of Contracts Two White Flint North - MS T-7-I-2 Washington, DC 20555-0001	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) GRC International, Inc., / AT&T ATTN.: Elizabeth Louch (703) 506-5793 1900 Gallows Road Vienna VA 22182		(X)	9A. AMENDMENT OF SOLICITATION NO.
CODE			9B. DATED (SEE ITEM 11)
FACILITY CODE			10A. MODIFICATION OF CONTRACT/ORDER NO. GS-35F-4507G DR-01-0078
		X	10B. DATED (SEE ITEM 13) 12-14-2000

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

- ☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.
- Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
- (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment of 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) See the continuation pages.

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

(X)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) Unilateral FAR 52.243-3 Changes, T.O Clause A.14 ENGINEERING CHANGES and Contractor's proposal dated 8/21&25/2003.

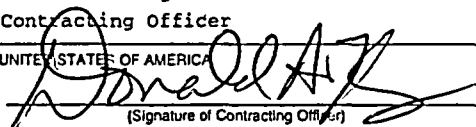
E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

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

See the continuation pages.

GRCI
TIN: 95-2131929
DUNS: 00-968-3442AT&T
13-4924710
62-159-9893

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)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Donald A. King Contracting Officer
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED
16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 09-26-2003

STANDARD FORM 30 (REV. 10-83)

TEMPLATE - ADM001

ADM002

The purpose of this modification is to:

- (1) (a) incorporate, a Government proposed and Contractor accepted engineering changes #4 for the Licensing Support Network (LSN) in accordance with task order clause A.14 entitled "ENGINEERING CHANGES. As a result, Section A.1 ADDENDA SCHEDULE OF SUPPLIES OR SERVICES AND PRICE /COSTS, paragraph 3 - SCHEDULE, OPTION PERIOD 2 (Attachment 1 to this modification) - CLINs C005, and C006 are added to reflect the addition of work as shown in Attachment 2 to this modification and GRCI/AT&T's engineering change proposal (ECP#4), dated 8/21/2003; The total amount of Option Period 2 is increased by: CLIN C005 at \$4,627 and C006 at \$98,632.57. Therefore, the total amount of Option Period 2 is increased by \$103,259.57 (for ECP#4) from \$440,718.00 to \$543,977.57;
- (2) revise subsection A.2 CONSIDERATION AND OBLIGATION by: (a) increasing the total estimated cost of the task order by \$103,259.57 from \$3,711,581.61 to \$3,814,841.18, which reflects services associated with ECP#4; and (b) providing funding which increases the obligated amount by \$96,850 from \$3,710,730.43 to \$3,807,580.43;
- (3) revise the statement of work by adding the work associated with ECP#4 in accordance with Attachment No. 2 to this modification.

Continuation of block number 12 Accounting and Appropriation Data:

<u>B&R</u>	<u>Job Code</u>	<u>Boc</u>	<u>APPN NO.</u>	<u>Obligate</u>
37D15301189	M7027	252A	31X0200.37D	\$ 850.00
37D15307268	M7074	252A	31X0200.37D	<u>\$96,000.00</u>
			TOTAL	\$96,850.00

Accordingly, the task order is modified as follows:

1. Under Section A.1 ADDENDA SCHEDULE OF SUPPLIES OR SERVICES AND PRICE /COSTS:
 - (a) paragraph 3 - SCHEDULE - OPTION PERIOD 2, is deleted entirely and the following attached revision is substituted in-lieu thereof (See Attachment No. 1 to this modification):

2. Under Subsection A.2 CONSIDERATION AND OBLIGATION, the total estimated cost of the task order is increased by \$103,259.57 from \$3,711,581.61 to \$3,814,841.18, and the obligated amount is increased by \$96,850 from \$3,710,730.43 to \$3,807,580.43. Therefore, the first sentence of paragraphs (a) and (b) are deleted entirely and the following is substituted in-lieu thereof:

"(a) The total estimated amount of this contract (ceiling) for the product/services ordered, delivered, and accepted under this contract is \$3,814,841.18.

"(b) The amount presently obligated with respect to this contract is \$3,807,580.43."

3. Under SECTION A.3 Description/Specifications/Work Statement Licensing Support Network (LSN) subsection 3.3 Task 3: Operations and Maintenance is revised by adding paragraph 3.3.7 as shown in Attachment No. 2 to this modification.

A summary of obligations under this deliver order, from date of award through this modification, is given below:

Total FY 01 obligations	\$2,172,000.00
Total FY 02 obligations	\$ 865,320.43
Total FY 03 obligations	\$ 770,260.00

Cumulative Total of NRC Obligations\$3,807,580.43

This modification obligates \$96,850 in FY'03 funds.

All other terms and conditions remain unchanged except the ceiling amount which increases to \$3,814,841.18.

OPTION PERIOD 2 (Period of Performance - 12 months)

LABOR HOUR (CLIN C001)

	Est. Qty.	Unit	Unit Price.*	Total Amount
C001 LSN STAFF SUPPORT SERVICES IN ACCORDANCE WITH THE SOW				
- Principal Staff Scientist/Engineer Analyst (Project Manager)				\$17,840.00
-Principal Engineer/Analyst (Task Area Lead 3)				\$27,504.00
-Principal Engineer/Analyst (Senior Software Engineer)				\$13,752.00
-Systems Analyst/Programmer (Junior Engineer)				\$ 6,379.00
-Principal Engineer/Analyst (Senior Database Analyst)				\$11,002.00
-Senior Systems Analyst/ Programmer (Database Administrator)				\$38,831.00
-Technical Editor (Technical Writer)				\$10,772.00
-Senior Doc/Admin Spt Spec (Clerical)				<u>\$ 3,950.00</u>
Direct Labor Total*				\$130,030.00

*Represents a blended rate. The NRC will be billed the actual GSA schedule labor rates.

FIRM FIXED PRICE (CLIN C002 and C003)

C002 Host Website (Monthly)		\$220,788.00
C003 Commercial Software Upgrade/Maintenance		\$ 86,712.00

COST REIMBURSEMENT (CLIN C004)

C004 Travel [One- (5) day trip to Las Vegas for (2)]		\$ 3,188.00
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Subtotal Option Period 2.....\$440,718.00

"COST REIMBURSEMENT C005 Hardware (ECP)

Description	Manufacturer	Model No.	Qty	Unit Price	Price
Pentium III P933/133 - 256KB PROC OPT KIT PROL ML350 ML370 DL380	MR&S Part #520406	161086-B21			\$625.00
256 MB PC133 MHz SDRAM for COMPAQ PROLIANT ML350/370/380/530	MR&S Part #513509	KTC-PRL- 133/256			\$130.00
Netgear FS-105 (5 port 10/100 switch) DUAL SPEED RJ45	MR&S Part #536022	FS105NA			\$44.00
72.8GB HD U320 SCSI Drives HPLUG 10K RPM	MR&S Part #537602	286714-B22			\$2,848.00
36.4GB HD U320 SCSI Drives HPLUG 10K RPM	MR&S Part #537315	286713-B22			\$980.00

Subtotal Hardware Ceiling ECP#4

\$4,627.00

*Open market items for ECP#4.

LABOR HOUR ECP#4 (CLIN (C006)

	Est. Qty.	Unit	Unit Price.**	Total Amount
C006 LSN STAFF SUPPORT SERVICES IN ACCORDANCE WITH THE SOW (Attachment No. 2)				
-Principal Staff Scientist/ Engineer/Analyst (00018)				\$ 2,943.84
-Senior Enigeer/Scientist/Analyst (00019)				\$18,182.40
-Principal Engineer/Analyst (00003)				\$34,039.20
-Systems Analyst/Programmer (00005)				\$ 5,510.08
-Principal Engineer/Analyst (00003) "Helper"				<u>\$33,330.05</u>
Subtotal Labor ECP#4				\$98,632.57
TOTAL OPTION PERIOD 2				\$543,977.57

3.3.7

**STATEMENT OF WORK
MODIFICATION NO. 24
TASK ORDER NUMBER DR-01-0078
"LICENSE SUPPORT NETWORK"**

Task 1

Requirement:

Improve the LSN spider performance by at least 50% into Autonomy 4 (Distributed Index Handler (DIH), Distributed Action Handler (DAH), and Dynamic Reasoning Engines). The DIH should be setup to index all documents into the Autonomy DRE's. The DAH will handle delivering all query request to the LSN system user. The current spider process can index 20,000 documents in one day (18 hours) into Autonomy 3. A 50% performance increase would mean the spider could process at least 30,000 documents in one day (18 hours).

Date of Delivery: Date modification issued + 6 weeks

Standard:

Modify the existing spider process through system code enhancements and separating processing functions. Install all necessary hardware (if applicable) and software in Ashburn, VA to allow the new spider to process a minimum of 30,000 documents into Autonomy 4.

Acceptance Criteria:

During large volume document testing using the Department of Energy (DOE) LSN documents, the NRC will review the Audit system to identify that a minimum of 30,000 DOE documents have been spidered and entered into the LSN for searching within an 18 hour time-frame (1 day). The NRC will then issue queries against the repository to retrieve a sample of the newly loaded documents. The DOE test documents should only be available to LSN testers and not other LSN users or the public.

Meetings: DOE tele-conference to schedule large volume document testing.
Travel: None
GFE: Autonomy Distributed Index Handler (DIH)
Guidance: None
References: None

AT&T Technical Approach:

This task will be accomplished by separating functions performed throughout the spider process and enabling certain processes to run concurrently which will improve spider time. In addition, the Autonomy 4 software will be installed at the LSN hosting facility in Ashburn, VA.

The Team will follow a multi-phased process as several hardware and software items must be enhanced in order to process DOE's documents quicker. The current DRE servers need to be augmented with additional drives necessary to handle and store the larger number of documents the LSN will spider each day. Since the DRE servers are mirrored, they must be identical in capability; therefore a total of eight drives (four for each server) is necessary.

- A hub is required to create a dedicated network path between the DRE servers. This will improve the access speed among the servers.
- One of the current web servers will be stored in the database its capacity must also be increased.
- A short amount of time is required to add this extra hardware to the existing servers at the Asburn Data Center.

Significant changes to the software are necessary. In order to take full advantage of the capabilities of the Autonomy DRE 4, two additional Autonomy components will be added. On the back-end a Distributed Index Handler (DIH) will be installed to index the documents into the mirrored Autonomy DREs. On the front-end, the Distributed Access Handler (DAH) will be added. The DAH is a new Autonomy component that replaces the Distributed Query Handler. The DAH will improve the processing of query requests between the LSN user and the DRE by load balancing between the mirrored repositories and separate storage facilities. After loading these software components on the augmented hardware they will be configured.

The main effort is in the software, having added these new Autonomy components to the LSN system it must now be modified to take advantage of these new components. The spidering process in general will remain the same, however, as noted earlier, all the indexing commands will now pass through the DIH. The document content information will remain in the DRE's, however, information pertaining to added and modified headers will now be carried in the SQL Server database (augmented as noted above). Lastly, whenever a new capability is added to the system, there is a ripple effect and code elsewhere will require modification.

Since a significant change will be made to the code, it must be tested in AT&T's development environment. After testing the improved application is then loaded onto the now augmented servers at Ashburn and tests are run against a large collection of DOE documents. These tests will be observed by the NRC Project Officer.

Task 2

Requirement: Update the operations manual to match the new spider configuration and process flow. Any additional hardware or software needed to allow the implementation of this software (Autonomy 4 and improved spider) at the LSN hosting facility in Ashburn, VA shall be identified and included in the contractors proposal.

Date of Delivery: Date modification issued + 6 weeks

Standard: Update operations manual received and accepted by the NRC.

Meetings: None.
Travel: None.
GFE: None.
Guidance: None.
References: None.