AMENDMENT OF SOLICITATION	MODIFICATION OF CO	ONTRACT	1 CONTRACT ID CODE	PAGE OF PAGES
2 AMENDMENT/MODIFICATION NO	3 EFFECTIVE DATE	4 REQUISITION/PURCHASE REC	NO 12/31/02 '5 PROJE	CT NO (If applicable)
038	JAN 2 9 2003	CIO-01-182-(54-60))	
5 ISSUED BY CODE		7 ADMINISTERED BY (If other th	han Item 6)	CODE
U S. Nuclear Regulatory Commission Division of Contracts Attn Sally Adams, MailStop T-7-I-2 Contract Mgmt. Center 1 Washington DC 20555		Div of Contracts	ulatory Commission North - MS T-7-I-2	
8 NAME AND ADDRESS OF CONTRACTOR (No street, county State	e and ZIP Code)	<u> </u>	(X) SA AMENDMENT OF SOLICIT	ATION NO
OAO Corporation ATTN George Cobb Program Manager 30 West Gude Drive, Suite 300 Rockville MD 20850			98 DATED (SEE ITEM 11) 10A MODIFICATION OF CON GS-35F-4524G NR 10B DATED (SEE ITEM 13)	TRACT/ORDER NO C-33-01-182-001
CODE	FACILITY CODE		X 06-18-2001	
11. THIS ITE	MONLY APPLIES TO	AMENDMENTS OF S	OLICITATIONS	
13. THIS ITEM API IT MODIFIES (X) A THIS CHANGE ORDER IS ISSUED PURSUANT TO (Spearly B THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED T SET FORTH IN ITEM 14 PURSUANT TO THE AUTHORITY OF FA	E DESIGNATED FOR THE F ue of this amendment you de makes reference to the solice re pages 3 and 4 of mo PLIES ONLY TO MODI THE CONTRACT/ORD authority) THE CHANGES SET FORT OREFLECT THE ADMINISTRATIVE C AR 43 103(b)	RECEIPT OF OFFERS PRICES PRICE	OR TO THE HOUR AND DATE ady submitted, such change m and is received prior to the op FRACTS/ORDERS, ED IN ITEM 14.	SPECIFIED MAY ay be made
C THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PUR				
	212-4, Section F 8, a			
	ual agreement of the p			
E. IMPORTANT: Contractor is not, x	s required to sign this docum	ent and return 2	copies to the issuing office	
14 DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by U	CF section headings including solicitati	on/contract subject matter where feasi	ble)	
See pages 2-4 for description of modif	ication			
• •				
Except as provided herein all terms and conditions of the document refere	nced in Item 9A or 10A as heretofore c	, hanged remains unchanged and in ful	Il force and effect	
15A NAME AND TITLE OF SIGNER (Type or print)		16A NAME AND TITLE OF CONTR.	ACTING OFFICER (Type or pnnt)	
William Madraces -1	ontracts Man	Joyce A. Fields Contracting Office	cer /	
15B CONTENTION OFFICE OF	15C DATE SIGNED	168 UNITED STATES OF AMERIC.	4 F.O.D.	16C DATE SIGNED

STANDARD FORM 30 (REV 10-83)

The purpose of this modification is to increase the delivery order ceiling by \$520,119.06 from \$15,900,292.19 to \$16,420,411.25 to accomplish the following operational and maintenance support actions. This modification also provides incremental funds in the total amount of \$616,000 under CLINS 5, 6, 12, 13, 15, 16, 17, 20, 23, 24, 30, and 41; and transfers association of obligated funds in the amount of \$85,000.00 from CLIN 15 (N00118200115) to CLIN 43 (N0118200143). Accordingly, this order is hereby modified as follows:

- 1. Under CLIN 17, the ceiling of the CLIN is increased by \$55,016.00 to add maintenance effort to support publication of a collection of ADAMS documents from the Center for Nuclear Waste Regulatory Analysis to external high-level-waste Web and FileNET repositories. This effort was not considered at initial placement of the order as the nature and types of documents required in electronic format for the high-level waste hearings had not been adequately identified at that time. The revised statement of work for CLIN 17, which incorporates the publication support, is attached. (Reference no. RFPA CIO01182-054.)
- 2. Under CLIN 13, the ceiling of the CLIN is increased by \$113,964.78 to add maintenance effort to support conversion of the PC Integrated Events (PIE) system to utilize newer technology as the current server it resides on can no longer be supported. This maintenance is also inclusive of the effort required to produce/update the SDLCM system documentation required for configuration management. This effort was not considered at initial placement of the order as it was not known that the server could not be supported at that time. (Reference no. RFPA CIO01182-055.)
- 3. Under CLIN 5, the ceiling of the CLIN is increased by \$173,827.00 to add maintenance effort for inclusion of the Human Factors Information System (HFIS), system no 8109, and NRC Utilities, system no. 9709-12 under the CLIN for maintenance support. This maintenance is also inclusive of the effort required to update the SDLCM system documentation which will reside in the configuration management library. This effort was not considered at initial placement of the order as these systems were not ready for acceptance into maintenance and configuration management at that time. The revised statement of work table is attached (Reference no. RFPA CIO01182-056.)
- Under CLIN 41, the ceiling of the CLIN is increased by \$131,716.29 to add maintenance effort for completion of the Time Resource Inventory Management system (TRIM) SDLCM documentation. The level of effort required for support of the TRIM system was greater than that originally estimated at placement of the order due to unanticipated modifications needed to address problems identified through testing of the RPS/TRIM module. As a result of the unanticipated maintenance activities, the level of effort is not sufficient to accomplish the update and creation of SDLCM documentation for configuration management. (Reference no. RFPA CIO01182-057.)
- Under CLIN 7, an administrative change is made to remove 4 inactive systems from the table of systems to be supported under the CLIN and to change the CLIN Manager from

- D. Weiss to C. Hite (effective January 3, 2003). The removal of the systems will not impact the ceiling or estimated level of effort required under the CLIN as these systems were inactive and did not require maintenance activities. The revised statement of work table is attached (Reference no. RFPA CIO01182-058.)
- 6. Under Section F.8, "Consideration and Obligation," the first paragraph and the first sentence of the second paragraph are deleted and replaced with the following.

"The total estimated amount (ceiling) of this order is \$16,420,411.25

The amount presently obligated with respect to this order is \$12,873,131.13 "

A revised version of Price Schedule pages 1, 1a, 30,38,42 and 65, and SOW pages 48-53, 59-67, 126-128h, 242, and 243 are contained in Attachment 1 to this modification and hereby replace the corresponding pages in the order.

Accounting information for Modification No. 38 follows:

CLIN	APPN.#	ACCTNG ID#	B&R #	вос	JOB	COMMIT.#	AMOUNT
005	31X0200 320	N0118200105	32015101160	2574	J2916	200365037	25,000 00
005	31X0200.320	N0118200105	32015101160	2574	J2917	200365048	10,000 00
005	31X0200.320	N0118200105	32015101160	2574	J2916	200365046	25,000 00
005	31X0200.320	N0118200105	32015101160	2574	J2919	200365045	25,000 00
006	31X0200 27M	N0118200106	37M15547160	252A	J7037	RQ70030035	5,000 00
012	31X200	N0118200112	37R15548160	252A	J7004	RQ70030033	7,200.00
013	31X0200 320	N0118200113	32015101160	2574	J2922	200365047	40,000 00
016	31X0200310	N0118200116	31015523340	252A	J1080	10370612	99,000.00
017	31X0200 310	N0118200117	31015524350	252A	J1017	10370608C	153,800 00
020	31X0200.37L	N0118200120	37L15546160	252A	J7034	RQ70030032	20,000 00
023	31X0200 384	N0118200123	38415512120	2574	G8402		80,000 00
024	31X0200	N0118200124	35015203232	252A	J5384	AA8500120	60,000 00
030	31X0200 320	N0118200130	32015101160	2574	J2920	200365044	50,000.00
041	31X0200.320	N0118200141	32015101160	3140	J3013	200365043	16,000 00
015	31X0200	N0118200115	25015203162	252A	J5386	correction	(85,000.00)

Order No. NRC-33-01-182-001 Modification No. 38 Page 4 of 4

CLIN	APPN #	ACCTNG ID#	B&R #	вос	JOB CODE	COMMIT.#	AMOUNT
043	31X0200	N0118200143	25015203162	252A	J5386	correction	85,000 00
Total	Total Obligation - Modification No. 38 :						

This modification transfers/re-associates obligated funds in the amount of \$85,000.00 from CLIN 15 (accounting identification no. N00118200115) to CLIN 43 (accounting identification no N0118200143). Accordingly, the obligated amount under CLIN 15 accounting identification no. N011820015 is reduced by \$85,000.00 to \$ and the obligated amount under CLIN 43 accounting identification no. N0118200143 is increased by \$85,000.00 to \$ to reflect the transfer of funds between the line items.

This modification obligates FY03 funds in the amount of \$616,000.00

The summary of obligations for this order is contained in Attachment 2 to this modification

All other terms and conditions of this order remain unchanged

Attachment:

- 1. Replacement pages
- 2. Summary of Obligations

PRICE/COST SCHEDULE. PRICE/COST SCHEDULE SUMMARY (Inclusive of Modification 38)

CLIN No	Ceiling - Year 1	Codes Vess	
001		Ceiling - Year 2	Total Ceiling
	\$149,047.95	\$0.00	\$149,047.95
002	\$260,235 28	\$270,615 09	\$530,850 37
003	\$111,616 60	\$116,047.65	\$227,664 25
004	\$176,693 55	\$183,794 55	\$360,488 10
005	\$1,222,989 05	\$890,936 10	\$2,113,925.15
006	\$8,014 87	\$8,315 56	\$16,330 43
007	\$409,776 52	\$436,143 00	\$845,919 52
008	\$22,192 20	\$23,090 09	\$45,282 29
009	\$11,267 40	\$11,718 70	\$22,986 10
010	\$40,002 10	\$150,319.86	\$190,321 96
011	\$6,849 12	\$7,109 68	\$13,958 80
012	\$55,252 32	\$57,440 84	\$112,693 16
013	\$161,564.44	\$246,731 10	\$408,295 54
014	\$4,090 20	\$4,254 00	\$8,344 20
015	\$352,975 25	\$652,164 61	\$1,005,139 86
016	\$230,980 30	\$383,996 00	\$614,976 30
017	\$761,012.75	\$946,816 32	\$1,707,829 07
018	\$33,206 40	\$136,505 70	\$169,712 10
019	\$44,725 00	\$45,425 46	\$90,150 46
020	\$107,354 00	\$111,666 26	\$219,020 26
021	\$42,437.00	\$51,694 85	\$94,131 85
022	\$24,930 83	\$28,171 35	\$53,102 18
023	\$557,933 67	\$580,435.80	\$1,138,369 47
024	\$359,367 00	\$786,232 94	\$1,145,599 94
025	\$18,371.50	\$19,129 04	\$37,500 54
026	\$21,326 40	\$8,718.36	\$30,044 76
027	\$0 00	\$0.00	\$0 00
028	\$294,636 65	\$313,960 15	\$608,596 80
)29	\$44,738 40	\$46,505 75	\$91,244 15
)30	\$157,787.64	\$273,292 10	\$431,079.74
031	\$68,270 90	\$3,413 26	\$71,684 16
)32	\$13,053 80	\$62,576 81	\$75,630 61
			1 41 0,000 01

CLIN No.	Ceiling - Year 1	Ceiling - Year 2	Total Ceiling
033	\$1,994 04	\$2,073 96	\$4,068 00
034	\$0 00	\$0.00	\$0.00
035	\$216,532 95	\$0.00	\$216,532 95
036	\$118,960 23	\$0.00	\$118,960.23
037	\$1,059,290 65	\$1,652,541 20	\$2,711,831.85
038	\$15,152 60	\$15,760 50	\$30,913 10
039	\$30,395 70	\$31,615.12	\$62,010.82
040	\$4,300 50	\$14,943 00	\$19,243 50
041	\$45,594.99	\$241,706 64	\$287,301 63
042	n/a	\$70,018 95	\$70,018.95
043	n/a	\$261,764 00	\$261,764.00
044	n/a	\$7,846 15	\$7,846 15
TOTAL PRICE	\$7,264,920 75	\$9,155,490 50	\$16,420,411.25

CONTRACT LINE ITEM	DESCRIPTION	EST. QTY.	UNIT	UNIT PRICE	CEILING
(CLIN) NO	O&M Support for Reactor Program Systems				AMOUNT
. ,	Project Manager		hours		20,550 00
	Program Manager		hours		37,500.00
	Application Systems Analyst Manager		hours		12,053 00
	Application Systems Analyst Programer	0	hours		0 00
	Sr. Functional Analyst		ours		564,041 60
	Analyst 1	0	hours		0 00
	Analyst 2	0	hours		0.00
	Analyst 3	0	hours		0 00
	Analyst 5		hours		100,232.00
	Doc Coordinator	0	hours		0 00
	Doc. Specialist	0	hours		0.00
	Network Control Tech.	0	hours		0.00
	Support Specialist 3	0	hours		0 00
	Support Specialist 4	0	hours		0 00
	Support Specialist 5		hours		2,275 50
	Support Specialist 6	0	hours		0 00
	Technical Expert 1	0	hours		0.00
	Technical Expert 2		hours		154,284 00
	Technical Expert 3	0	hours		0.00
	Technical Expert 4	0	hours		0 00
	TO	OTAL CLIN 05 (CEILING - Y	YEAR 2	\$890,936.10

CONTRACT LINE ITEM (CLIN) NO 013 (Mod 38)	DESCRIPTION: O&M Support for PC Integrated Events	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
-	Project Manager		hours		11,302.50
	Program Manager		hours		7,125.00
	Application Systems Analyst Manager		hours		75,154.00
	App Systems Analyst Manager (onsite)	0	hours		0.00
	Application Systems Analyst Programer		hours		13,826 40
	Programmer 5	0	hours		0 00
	Sr. Functional Analyst		hours		18,554 00
	Analyst 1	0	hours		0 00
	Analyst 2	0	hours		0.00
	Analyst 3	0	hours		0.00
	Analyst 5		hours		14,960.00
	Doc. Coordinator		hours		13,615.20
	Doc. Specialist	0	hours		0.00
	Network Control Tech	0	hours		0.00
	Support Specialist 3	0	hours		0.00
	Support Specialist 4	0	hours		0.00
	Support Specialist 5	0	hours		0 00
	Support Specialist 6		hours		2,494.00
	Technical Expert 1	0	hours		0.00
	Technical Expert 2		hours		89,700 00
	Technical Expert 3	0	hours		0 00
	Technical Expert 4	0	hours		0 00
	Т	OTAL CLIN 13	CEILING -	YEAR 2	\$246,731.10

CONTRACT LINE ITEM (CLIN) NO 017 (Mod 38)	DESCRIPTION. O&M Support for ADAMS	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
	Project Manager		hours		41,100 00
	Program Manager		hours		28,000 00
	Application Systems Analyst Manager		hours		127,620 00
	Application Systems Analyst Programer	0	hours		0.00
	Sr. Functional Analyst		hours		166,986 00
	Analyst 1	0	hours		0.00
	Analyst 2	0	hours		0 00
	Analyst 3	0	hours		0 00
	Analyst 5		nours		134,640 00
	Doc. Coordinator	0	hours		0 00
	Doc Specialist	0	hours		0 00
	Network Control Tech	0	hours		0.00
	Support Specialist 3	0	hours		0 00
	Support Specialist 4	0	hours		0 00
	Support Specialist 5	0	hours		0 00
	Support Specialist 6		hours		698 32
***************************************	Technical Expert 1		hours		182,988 00
	Technical Expert 2		hours		167,440 00
	Technical Expert 3		hours		97,344 00
	Technical Expert 4	0	hours		0 00
	T	OTAL CLIN 17	CEILING - '	YEAR 2	\$946,816 32

CONTRACT LINE ITEM (CLIN) NO 41	DESCRIPTION. NRR Time Resource Inventory Management (TRIM) System	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
	Project Manager		hours		13,357.50
	Program Manager		nours		5,625 00
	Application Systems Analyst Manager	0	hours		0 00
	Application Systems Analyst Programer	0	hours		0.00
	Sr. Functional Analyst		lours		165,316 14
	Analyst 1	0	hours		0 00
	Analyst 2	0	hours		0.00
	Analyst 3	0	hours		0 00
	Analyst 5	0	hours		0.00
	Doc Coordinator	0	hours		0 00
	Doc Specialist	0	hours		0 00
	Network Control Tech	0	hours		0.00
	Support Specialist 3	0	hours		0 00
	Support Specialist 4	0	hours		0.00
	Support Specialist 5	0	hours		0 00
	Support Specialist 6	0	hours		0 00
	Technical Expert 1	0	hours		0.00
	Technical Expert 2		hours		57,408 00
	Technical Expert 3	0	hours		0.00
	Technical Expert 4	0	hours		0 00
	TO	OTAL CLIN 41	CEILING - Y	YEAR 2	\$241,706 64

CLIN 5. O & M Support for Reactor Program Systems

5.A Background

This SOW provides for the general maintenance support necessary for the continued operation of the Reactor Program System and other NRR systems.

5.B Scope

The contractor shall provide general maintenance for modules and systems listed in the statement of work section below. The request for a fix shall be E-mailed from the CLIN Manager, or their representative, to the contractor responsible for the upkeep of the application or shall be received as a call back request from the RPSHELP or LOPHELP e-mail address from the individual who discovered the problem. The contractor shall determine if the fix will require over 40 hours to perform the repair; if it does, the contractor shall E-mail the CLIN Manager with an assessment of the effort required within two (2) days of receipt. Work under 40 hours to fix shall be accomplished by the contractor without prior CLIN Manager approval. Under this SOW, the contractor may also perform work that would be classified as perfective maintenance (i.e., a minor enhancement - a modification that is not due to a code or data error). Assessment of requests that are perfective shall also be provided through E-mail to the CLIN Manager. The CLIN Manager shall make a decision as to whether the work can be authorized at the time of the E-mail response for efforts in excess of 40 hours and corrective in nature (broken). All major enhancement requests shall result in the development of a separate SOW to authorize the work. The CLIN Manager shall review the contractor assessment and E-mail the authorization response to the contractor within two (2) days of receipt. If the contractor is authorized to perform the work, the contractor shall perform the work within five (5) days of the authorization unless a longer time is specified due to the present workload of the contractor and approved by the CLIN Manager, or approved representative. The contractor shall send an E-mail to the CLIN Manager when the work is completed.

The Contractor shall perform application systems maintenance for modules listed below, following guidance provided in the SDLCM, NRC's CM rules, and utilizing the CM Library as the source for obtaining a current copy of production application systems which require maintenance. Application maintenance includes modification and/or correction of code and/or data in order to make the application system perform as intended. These modifications and corrections may include those made to programs, scripts, stored procedures, triggers, data, etc. Maintenance also includes, but is not limited to, analysis of conditions and outputs in order to identify root causes of problems and define methods for correction, troubleshooting, and establishment and execution of backups, restores, archives, housekeeping, etc.

In the performance of maintenance efforts, the Contractor shall appropriately checkout a copy of the current production version of an application system through the CM Library gatekeeper, make changes to the copy provided, and submit the changed application system (new code, documentation, builds, etc.) back through the CM Library gatekeeper for deployment by NRC.

The Contractor shall be considered a technical resource to the deployment team and remain available until deployment is completed to provide deployment support as part of the maintenance process.

The Contractor shall also produce necessary documentation of work performed as defined in subparagraphs "Maintenance Work Effort Reporting" and "Schedule of Deliverables" listed below.

5.C Statement of Work

1. Maintenance

The contractor shall be responsible for making necessary changes to ensure that identified problems with an RPS module are corrected and the system is returned to production in the shortest amount of time possible.

a. Module/System to be maintained:

System Name	Project Manager	System Number	System Acronym	JCN	Software	Platform
Reactor Program System	Michael MacWilliams	9709	RPS	J2919	PowerBuilder, ERWIN,SYbase RoboHelp SQL,	Client Server
Inspection Planning module	Michael MacWilliams	9709-1	RPS/IP	J2916	u	Client Server
Inspection Planning Cycle module formerly called SALP	Michael MacWilliams	9709-3	RPS/IPC	J2916	и	Client Server
Inspection Procedure Authority System module	Michael MacWilliams	9709-4	RPS/IPAS	J2916	dd.	Client Server
Inspection Report Tracking System module	Michael MacWilliams	9709-5	RPS/IRTS	J2916	de .	Client Server
Item Reporting module	Michael MacWilliams	9709-6	RPS/IR	J2916	u	Client Server
Item Reporting module - NMSS	Joel Bristor	9709- 6N	NMSS-IR	J5386	4	Client Server
Security Access Method module	Conchita See	9709-7	RPS/SAM	J2916	64	Client Server

System Name	Project Manager	System Number	System Acronym	JCN	Software	Platform
Tables module	Conchita See	9709-8	RPS/TAB LES	J2916	и	Client Server
Reports module	Michael MacWilliams	9709-9	RPS/REP ORTS	J2916	u	Client Server
Performance Measures module	Michael MacWilliams	9709-10	РМ	J2917	u	Client Server
Reactor Oversight module formerly called Performance Indicators (PI)	Conchita See	9709-11	ROP	J2918	u	Client Server
NRC Utilities	Conchita See	9709-12	Utilities	J2919	64	Client Server
Allegations Management System	Carl Mohrwinkel	9615	AMS	J2921	4	Client Server
Operator Licensing Tracking System	Larry Vick	A0048	OLTS	J2925	ti.	Client Server
NRR Applications support	Michael MacWilliams	9709	NRR	J2919	Various	Various
Safety Issues Management System	Michael MacWilliams	1216	SIMS	J2919	Ramis, Assembler, Cobol	Mainframe
Human Factors Information System)	Michael MacWilliams	8109	HFIS	J2815	PowerBuilder, ERWIN,SYbase SQL, VB	Client Server
Technical Assistance Program Support System	Michael MacWilliams	1206	TAPSS	J2919	Cobol, DB2, ISPF, WYLBUR	Mainframe
Work Item Tracking System	Michael MacWilliams	3609	NRR- WITS	J2919	Clipper, Blinker, dBase III, R&R Reportwriter	PC

b. Definitions

Maintenance - application systems maintenance shall include but not be limited to modification of code, tables, and data, performing analysis, troubleshooting and establishing and executing backups, restores, archives and other systems housekeeping duties.

c. Initiation of Work

Individual application system failures or other reasons or problems that necessitate a maintenance action will be brought to the attention of the Contractor either as directly viewed during monitoring efforts conducted by

the Contractor in its role of providing operational support or through e-mail direction from NRC's CLIN Manager.

d. Independent Action

The Contractor shall have authority to take necessary actions for up to 40 hours to evaluate application system problems, correct the problem, appropriately document the problem and actions taken in the Software Engineering Notebook (SEN), test the corrections and prepare the corrected/new component of the system for deployment, including submission to the CM Library gatekeeper. The Contractor shall notify the CLIN Manager when the corrected system is ready for deployment (i.e., testing completed, ready for deployment) and follow e-mail directions of NRC's CLIN Manager to support deployment efforts.

e. Work Actions Requiring Pre-approval

The Contractor shall develop and deliver, via e-mail, to NRC's CLIN Manager, work estimates and plans for any efforts requiring more than 40 hours effort to complete. NRC's CLIN Manager will review the Contractor's assessment (estimate and plan) and will provide an e-mail authorization within two work days of receipt. The Contractor shall not commence code or data changes for efforts covered by a work estimate and plan where the level of effort for code, test and document creation/changes exceeds 40 hours without an e-mail authorization from NRC's CLIN Manager. Authorized actions shall be performed by the Contractor within 5 days of authorization, unless a longer time is approved by NRC's CLIN Manager.

f. Standard Work Approach

The Contractor shall perform maintenance actions using the current production version of the application system source which is controlled by the CM Library gatekeeper. Changes to application system source code shall be made utilizing only those vendor products defined in the application system baseline, unless authorization has been received in writing from NRC's CLIN Manager (i.e., if the application is coded in Power Builder version 6.51, only Power Builder version 6.51 will be utilized in the changes). It is the responsibility of both NRC's CLIN Manager and the Contractor to ensure that introduction of any new product to the application system is consistent with the authorized list of vendor products (aka., toolkit) approved by NRC's Environmental Change Control Board. Check-out of application system code and related products (test data, documentation, etc.) through the CM Library gatekeeper is required for each work effort. Upon completion of any

maintenance effort, the Contractor shall provide an e-mail to NRC's CLIN Manager defining actions taken and readiness of the application for deployment. This notification shall indicate that the application system has been submitted and is available as the current version for deployment through the CM Library gatekeeper. The Contractor shall remain available to assist the deployment contractor and answer any questions associated with deployment of the application and/or data.

g. Work Effort Ceiling

The total hours authorized under this work effort will be approximately 12,200 hours per year.

h. Maintenance Work Effort Reporting

The contractor and the NRC CLIN Manager shall attend, as required, occasional (but not more than 25) meetings at the NRC office to discuss significant maintenance issues.

An updated/record log shall be established and shall reflect the modifications made by each "fix it" request. All required documentation shall be updated to reflect the fix.

5.D Place of Performance

Most efforts under this contractor can be performed at the contractor site. Access to the NRC facilities shall be provided by the NRC Staff, as required, for the contractor personnel during normal working hours for the duration of this SOW.

5.E Schedule of Deliverables

The maintenance shall be performed within 5 work days of receipt of the request unless otherwise negotiated with the CLIN Manager. When the problem is repaired, an E-mail shall be sent to the CLIN Manager with a brief explanation of the repair.

The contractor, NRR requesting official, and the NRC CLIN Manager shall attend occasional (but not more than 25) meetings to discuss significant maintenance issues.

The update/record log shall be updated to reflect each "fix" requested. All required documentation shall be updated to reflect the change.

5.F Expertise/Skills

The contractor shall provide personnel with the following skills:

- 1. Working experience with and knowledge of PowerBuilder version 6.51, and
- 2. Working experience with and knowledge of SYBASE version 11.921, and
- 3. Working experience with and knowledge of Novell LAN platform
- 4. Experience in analysis and design of complex enterprise-wide client-server applications, and
- 5. Experience with database management systems technologies, use of 4GL programming languages (structure and object-oriented)

5.G CLIN Manager

The manager for this CLIN is Mike MacWilliams, 415-1877.

5.H Level of Effort

The Government's estimated level of effort is 12,200 staff hours per year.

CLIN 7. O & M Support for FEES Program Systems

7.A Scope

The Contractor shall perform application systems maintenance for systems listed below in the statement of work section, subparagraph "Maintenance," following guidance provided in the SDLCMM, NRC's CM rules, and utilizing the CM Library as the source for obtaining a current copy of production application systems which require maintenance. Application maintenance is defined as modification and/or correction of code and/or data which are part of an application system in order to make the application system perform as intended in support of a business process/area for which it was written. These modifications/corrections may include those made to programs, scripts, job control languages, data, etc. Maintenance also includes, but is not limited to, analysis of conditions and outputs in order to identify root causes of problems and define methods for correction, troubleshooting, and establishment and execution of backups, restores, archives, housekeeping, etc.

In the performance of maintenance efforts, the Contractor shall appropriately checkout a copy of the current production version of an application system through the CM Library gatekeeper, make changes to the copy provided, and submit the changed application system (new code, documentation, builds, etc.) back through the CM Library gatekeeper for deployment by NRC.

The Contractor shall be considered a technical resource to the deployment team and remain available until deployment is completed to provide deployment support as part of the maintenance process.

The Contractor shall perform operation support tasks for systems listed below in the statement of work section, subparagraph "Operational Support," following guidance provided by the CLIN Manager. Individual efforts required of the Contractor shall be to provide operational support for agency applications in the form of data support, report generation, and production support, as defined in subparagraph "Work Direction by System" listed below.

The Contractor shall also produce necessary documentation of work performed as defined in subparagraphs "Maintenance Work Effort Reporting" and "Operational Support Work Effort Reporting" listed below.

7.B Statement of Work

1. Maintenance

The contractor shall be responsible for making necessary changes to ensure that identified problems with an application system are corrected and the system is returned to production in the shortest amount of time possible.

a. Systems to Be Serviced

System Name	System Number	System Acronym	Software	Platform	Allotted Level of Effort
License Fee Reports System	1289	FEES	COBOL, DB2, WYLBUR	NIH Mainframe	See I g
Material Annual Fees System	1281	MATANN	COBOL, DB2, ISPF, KERMIT, ONNET PC/TCP, QMF	NIH Mainframe	See 1 g
Material Licensing Database and Tracking System	3506	MATSYS	Clipper, UI	PC/LAN	See 1 g
Fees File Transfer Process	9778	FEESFTP	Clipper, Blinker, Crosstalk, DbaseIII+, UI	PC/LAN	See I g
Facilities Inspection Fees System	3507	FACFEES	Clipper, Blinker, UI	PC/LAN	See 1.g
PC Materials Annual Fees System	9779	PC- MATANN	Clipper, Blinker, DbaseIII+, UI	PC/LAN	See 1 g
Fees License Billing System	3592	FEESLBS	Clipper, Blinker, DbaseIII+, UI	PC/LAN	See 1.g
Materials Review System	3543	MATREV	Clipper, Blinker, DbaseIII+, UI	PC/LAN	See 1.g
Fee Set Invoice Detail System	9779	FEESSET	Clipper, Blinker, DbaseIII+, UI	PC/LAN	See 1 g

b. Definitions

Maintenance - application systems maintenance shall include but not be limited to modification of code, tables, and data, performing analysis, troubleshooting and establishing and executing backups, restores, archives and other systems housekeeping duties.

c. Initiation of Work

Individual application system failures or other reasons or problems that necessitate a maintenance action will be brought to the attention of the Contractor either as directly viewed during monitoring efforts conducted by the Contractor in its role of providing operational support or through e-mail direction from NRC's CLIN Manager.

d. Independent Action

The Contractor shall have authority to take necessary actions for up to 20 hours to evaluate application system problems, correct the problem and appropriately document the problem and actions taken in the Software Engineering Notebook (SEN), test corrections and prepare the corrected/new component of the system for deployment, including submission to the CM Library gatekeeper. The Contractor shall notify the CLIN Manager when the corrected system is ready for deployment (i.e., testing completed, ready for deployment) and follow e-mail directions of NRC's CLIN Manager to support deployment efforts.

e. Work Actions Requiring Pre-approval

The Contractor shall develop and deliver, via e-mail, to NRC's CLIN Manager, work estimates and plans for any efforts requiring more than 20 hours of effort to complete. NRC's CLIN Manager will review the Contractor's assessment (estimate and plan) and will provide an e-mail authorization within two work days of receipt. The Contractor shall not commence code or data changes for efforts covered by a work estimate and plan (level of effort exceeds 20 hours for code, test and document creation/changes) without an e-mail authorization from NRC's CLIN Manager. Authorized actions shall be performed by the Contractor within five (5) workdays of authorization, unless a longer time is approved by NRC's CLIN Manager.

f. Standard Work Approach

The Contractor shall perform maintenance actions using the current production version of the application system source which is controlled by the CM Library gatekeeper. Changes to application system source code shall be made utilizing only those vendor products defined in the application system baseline, unless authorization has been received in writing from NRC's CLIN Manager (i.e., if the application is coded in CLIPPER 5.2d, only CLIPPER 5.2d will be utilized in the changes). It is the responsibility of both NRC's CLIN Manager and the Contractor to ensure that introduction of any new product to the application system is consistent with the authorized list of vendor products (aka., toolkit) approved by NRC's Environmental Change Control Board. Check-out of application system code and related products (test data, documentation, etc.) through the CM Library gatekeeper is required for each work effort. Upon completion of any maintenance effort, the Contractor shall provide an e-mail to NRC's CLIN Manager defining actions taken and readiness of the application for deployment. This notification shall indicate that the application system has been submitted and is available as the current version for deployment through the CM Library gatekeeper. The Contractor shall remain available to assist the deployment contractor and answer any questions associated with deployment of the application and/or data.

g. Work Effort Ceiling

The total hours authorized under this work effort per application system is 60 hours. An e-mail notification to the NRC CLIN Manager shall be made by the contractor when less than 24 hours remain available for maintenance of an application system.

h. Maintenance Work Effort Reporting

No unique reporting is required that exceeds that which would be presented in the Bi-weekly Status Report described in CLIN 2.

i. Known Perfective Maintenance Tasks

Modify the existing (MATANN #1281) process of capturing Terminated, New and Expired licenses for fees billing (approximately 200 hours)

Modify PCMATANN (#9779) to add facility annual fee invoice processing (approximately 200 hours)

Modify FACFEES (#3507) to add MATSYS (#3506) licenses for fee billing (approximately 200 hours)

Modify PCMATANN (#9779) to generate invoices for the General License Tracking System (GLTS) delinquent payments. (approximately 200 hours)

Standardize invoice formats for interface with the Department of the Treasury's Pay.Gov. initiative (approximately 200 hours)

Develop a scoping document to review the FEES systems operations via WINDOWS (approximately 200 hours)

The CLIN Manager will provide written guidance to the contractor, as needed, for perfective maintenance tasks.

2. Operational Support

a. Systems to be Covered under Operational Support

The FEES billing and cost systems are:

System Name	System Number	System Acronym	Software	Platform	Allotted Level of Effort
License Fee Reports System	1289	FEES	COBOL, DB2, WYLBUR	NIH Mainframe	See 2.c
Material Annual Fees System	1281	MATANN	COBOL, DB2, ISPF, KERMIT, ONNET PC/TCP, QMF	NIH Mainframe	See 2 c
Material Licensing Database and Tracking System	3506	MATSYS	Clipper, UI	PC/LAN	See 2 c
Fees File Transfer Process	9778	FEESFTP	Clipper, Blinker, Crosstalk, DbaseIII+, UI	PC/LAN	See 2.c
Facilities Inspection Fees System	3507	FACFEES	Clipper, Blinker, UI	PC/LAN	See 2 c
PC Materials Annual Fees System	9779	PC- MATANN	Clipper, Blinker, DbaseIII+, UI	PC/LAN	See 2.c
Fees License Billing System	3592	FEESLBS	Clipper, Blinker, DbaseIII+, UI	PC/LAN	See 2.c

System Name	System Number	System Acronym	Software	Platform	Allotted Level of Effort
Materials Review System	3543	MATREV	Clipper, Blinker, DbaseIII+, UI	PC/LAN	See 2.c
Fee Set Invoice Detail System	9779	FEESSET	Clipper, Blinker, DbaseIII+, UI	PC/LAN	See 2 c

b. Definition

Operational support may take various forms, including:

- 1. Data support:
 - a. data interpretation,
 - b. OCR, scanning,
 - c. verification, and
 - d. entry;

2. Report Generation:

Producing reports in outputs including hard copy and electronic (MS-ACCESS, WordPerfect, ASCII, or QUATTRO PRO format, etc.), from agency systems either on a scheduled or ad-hoc basis of (a) standard reports or (b) quick query or new reports using newly defined criteria; and

3. Production support:

- a. initiating program sequences on a prescribed schedule,
- b. data transfers between systems either through kick-off of electronic processes (programs) or inputs of tapes or other physical media;
- c. system monitoring, troubleshooting, and applying immediate corrective measures to agency production application systems (in some cases, on a 24-hour on-call basis).

c. Work of Contractor and NRC Technical Direction

The Contractor shall provide operational support as follows:

1. On a weekly basis, monitor scheduled batch jobs that produce source files from the LTS, TAPIS and NSS & DRS systems for maintenance

of the licensee addresses used in the license fee billing process. Resulting file is downloaded from the mainframe, reviewed for quality assurance and prepared for production use in the "weekly address refresh" process. (approximately 10 hours per week)

- 2. Support the billing of material licensees to include generating MATANN invoices and reports on a monthly and quarterly basis, as well as on request for special cases. Download invoice data files, review for quality assurance and prepare for production use in PC/MATANN. (approximately 20 hours per month)
- 3. Annually, at the start of each Fiscal Year, gather and load accurate data from LTS, TAPIS and NSS & DRS to create a baseline for that year's billing (the MATANN annual "freeze") of materials licensees and generate reports. (approximately 80 hours per year)
- 4. On request, produce ad-hoc reports from any of the various LFARB sponsored systems. (approximately **60 hours** per month)
- 5. Support the quarterly full cost billing effort to include responding to any questions or problems encountered by the Offices, Regions or the LFARB staff, as well as assistance in running reports and invoices as needed. Over 60 files of staff hour manpower and contract costs data are produced, downloaded, reviewed for quality assurance, corrected as needed to ensure usability, and prepared for production.

 (approximately 320 hours quarterly)
- 6. Respond to questions pertaining to use of the various LFARB sponsored systems. (approximately 10 hours per week)
- 7. Maintain several tables used by the FEES system. (approximately 5 hours per month)
- 8. Process the OMPA pay tape files to include running mainframe jobs, and routing various reports. (approximately 5 hours bi-weekly)
- 9. Reset billing system data as needed to accurately interface with the FFS system. (approximately 10 hours per month)
- 10. Create mailing labels annually for the Fee Rule mailings. (approximately 10 hours per year)

d. Operational Support Work Effort Reporting

No unique reporting is required that exceeds that which would be presented in the Bi-weekly Status Report described in CLIN 2.

7.C Place of Performance

Most efforts under this CLIN can be performed at the contractor site. Access to the NRC facilities shall be provided by the NRC, as required.

7.D Schedule of Deliverables

<u>Deliverable Name</u>	Responsibility	Delivery Schedule
Maintenance Work Plan and Estimate to NRC CLIN Manager (1.e)	Contractor	Whenever work effort will exceed 20 hours
Work Plan and Estimate Approval e-mail (1.e)	NRC work effort manager	Upon review and approval of Work Plan and Estimate
Work effort approach of Ceiling Notification e-mail (1.g)	Contractor	When 23 or less hours are available
New Versions of Application Products to CM (1.f)	Contractor	When maintenance effort tested and ready for deployment
Special Reports of Work and Status - Maintenance (1.h)	Contractor	At frequency directed
Ad-Hoc Report Outputs (2.c)	Contractor	Two work days from receipt of request
Special Reports of Work and Status - Operational Support (2.d.)	Contractor	At frequency Directed

7.E. Expertise/Skills

Demonstrated experience in application systems software and platforms defined for systems identified in relevant sections of this CLIN as requiring maintenance support.

Competency in technical, written communication, and analytical skills as demonstrate through prior assignments in the technical support area, and experience with applications running on a NOVELL LAN platform.

7.F CLIN Manager

The manager for this CLIN is Christine Hite, 415-8191.

7.G Level of Effort

The Government's estimated level of effort is 5,540 staff hours per year.

CLIN 17 O & M Support for ADAMS

17.A Background

NRC has developed the Agencywide Documents Access and Management System (ADAMS) according to the NRC Application Systems Life Cycle Management Methodology (SDLCM) but with a focus on utilizing the Commercial Off-the-Shelf (COTS) package, the FileNet suite of products integrated with Provenance's ForeMost records management product to provide the bulk of the ADAMS functional requirements.

17.B Scope

The scope of this CLIN is to ensure that contractor resources are available to respond to urgent ADAMS application and configuration problems, to provide release-based and emergency maintenance and operational support for the ADAMS application (COTS and custom) and make routine and ad hoc preventative and corrective changes to any of the components that comprise the ADAMS system. The system components covered under this CLIN include:

- 1. Document Management Services (internal, public, and remote/mobile users)
- 2. Workflow Services
- 3. Imaging Services
- 4. Records Management Services
- 5. EIE Services
- 6. Backup Services
- 7. Recovery Services
- 8. COTS Vendor Release Implementation Services
- 9. Custom Code Maintenance Services

The contractor shall provide general (release-based and emergency) maintenance support of the ADAMS application software, files, databases, and hardware configuration, as defined by the NRC's System Development and Life-Cycle Management Methodology (SDLCM).

17.C Statement of Work

The contractor shall handle all roles in the SDLCM for release-based and emergency maintenance except for that of Overall Project Manager and the Configuration Control Board. However, the NRC CLIN Manager shall set priorities and approve changes.

1. Change Management

The contractor shall perform maintenance/enhancement work resulting from NRC evaluations of Change Proposals and Problem Reports.

2. Release Management

Under release management, the contractor shall take a defined release, plan the release, and manage changes to the release during its development (implementation in the case of COTS).

3. Enhancements

Under enhancement work, the contractor shall perform a major change to some part of an existing application, architecture, or to the support environment.

4. Release-based maintenance

The contractor shall evaluate vendor issued upgrades to COTS software as well as custom code upgrades, testing the release prior to implementation in the production environment.

5. Emergency maintenance

The contractor shall perform maintenance for changes requiring emergency action. These types of changes, which are the exception rather then the rule, may require follow-up with a normal release-based maintenance process.

6. Study to Support High-Level Waste Electronic Submittals

a. Background

In accordance with the provisions of 10 CFR 2 Subpart J (see Appendix A), the Nuclear Regulatory Commission (NRC) must have the ability to successfully manage the accessibility and integrity of docket information stored in the High-Level Waste Electronic Hearing Docket (HLW-EHD) for the duration of the High-Level Waste (HLW) proceedings. An integral part of the HLW-EHD is the capability to transmit electronic submittals of filings by the submitter to the presiding officer, the parties, and the Office of the Secretary (SECY).

The licensing submission and docketing of adjudicatory documents and inclusion in the EHD has raised several issues relative to the electronic transmission, processing, service, management, dissemination, and use of HLW materials in the context of the HLW adjudicatory proceeding and as official agency records. These issues relate to:

- Electronic transmission of very large files with special attributes, such as color graphics and engineering drawings, via the Internet
- Acceptable document format and resolutions
- Need to ensure the fidelity and integrity of records and their future retirement to the National Archives and Records Administration
- Limitations of NRC's electronic document/records management system which does not support the use of hyperlinks
- How to handle non-textual documentary materials
- The ability of users to search, navigate, view, download and print very large documents.

10 CFR Part 2, Subpart J, allows for a number of electronic formats and for gray scale and color images at a resolution of 150 dpi. These formats and resolution currently are authorized for the documentary materials that reside on participants' servers for the Licensing Support Network (LSN) searching purposes, and for submission via Electronic Information Exchange (EIE) to the NRC. However, because of problems that some formats and resolutions pose, NRC plans to adopt PDF and a minimum resolution of 200 dpi for grayscale and color images as a standard for electronic submission to the HLW proceeding. Decisions still need to be made, and guidance provided to submitters, on how to handle certain forms of non-textual materials, such as computer models, and audio and video tapes.

Currently, NRC's Electronic Information Exchange (EIE) process has a file size limitation of 15 MB per file, meaning a fair number of segments of large Department of Energy (DOE) documents (e.g., Regulatory License Application, Final Environmental Impact Statement) and other electronic submittals will not make it through the NRC's EIE process pipeline, and current processes do not allow for segmentation of files via the EIE process. Large document submittals in electronic format containing either a single large file, or multiple files are required to be submitted on CD-ROM. For its part, 10 CFR § 2.1013(c)(1) implies that electronic transmission (as opposed merely to delivery on an electronic media) is required. Although the proposed "e-rule" guidance allows the use of CD-ROM for submission of large documents, it is not applicable to adjudicatory submissions and, in any event. could be considered superseded by the existing regulatory provision for the HLW proceedings that requires electronic transmission, not just transfer on an electronic media. If the use of CD-ROM submission is recommended for the HLW proceeding, it may require a change in NRC's rules. Therefore, it is highly desirable that NRC modify its EIE process to accommodate HLW proceeding requirements, and that CD-ROM be considered only in addition to (not as a substitute for) electronic transmission via EIE.

In addition, submissions received through EIE must be first processed into ADAMS before they are electronically copied to the Electronic Hearing Docket, the HLW library, and the ADAMS Public Library that reside outside NRC's firewall. ADAMS libraries. Currently, large documents entered into ADAMS are broken down into "manageable" segments. Custom code allows for use of an "envelope" which links the document segments together. This approach results in smaller files to ensure that the NRC staff and the public can open, view, and download in an acceptable time frame, but adversely impacts the ability of users to search and navigate across the large document in its entirety. However the document is received electronically, NRC must be assured that it can ensure its fidelity and integrity so that there are no chain of custody issues raised as to whether the document that was transmitted is accurately represented in ADAMS, EHD, the HLW server, or wherever it resides.

This highlights constraints introduced by the different usages made of these documents and the associated processes: document intake, document management, docket management, courtroom management, appellate case file management, and agency records management.

Additionally, the characteristics of the HLW proceeding user community should be considered relative to handling large documents. The user community is composed of NRC personnel including Atomic Safety and Licensing Board Panel (ASLBP) judges and staff, Office of the General Counsel (OGC) attorneys and staff, Office of Nuclear Material Safety and Safeguards (NMSS) staff and contractors, Office of Commission Appellate Adjudication (OCAA) staff, Commissioner offices staff, SECY and OCIO records management staff and contractors, parties and potential parties to the litigation, and the general public. The parties will require electronic access to these documents via the electronic docket to prepare the litigation cases and the public will access the electronic docket for informational purposes. These user attributes mean that the large documents must (1) be easy to navigate to specific sections, chapters, or pages of interest; (2) be browsable via table of contents; (3) be text searchable across the entire document; (4) be text searchable against other complementary/contrasting documents; (5) show highlighted sections found during text searches; (6) be browsable within a section (page forward, page back); (7) faithfully represent embedded tables, figures, diagrams, charts, maps, formulas etc.; (8) handle footnotes and quick access to referenced documents; and (9) be consistent with other search and retrieval tools in use by NRC and public: (10) be forwardable to future adjudicatory bodies (e.g., appeals courts, supreme court, etc.); and ultimately (11) be transferrable to the National Archives. The varied nature of the user community and tight Licensing Application (LA) review time constraints mean that these documents must be available in an electronic media that

minimizes training in new tools/products and can quickly be deployed to all users.

b. Approach

The NRC has assembled a team of internal stakeholders representing different functional areas who are tasked with (1) preparing a report that identifies any gaps in the High Level Waste (HLW) adjudicatory process electronic capability (e.g., agency acceptance, processing, and utilization of very large HLW documents) under existing or proposed rules that cannot be met with agency information technology capabilities/information management practices currently in place or under development and (2) developing an action plan and schedule to address closing identified gaps. Contractor support is required to perform technical work related to this tasking.

c. Study Statement of Work

The contractor shall perform the following work in support of the tasking described under section b above. In performing this analysis, the contractor shall consider the range of capabilities that exist in the user community; technology limitations (e.g., limits that exist on the capability to transfer or manipulate large complex electronic objects); and user (agency and external) stakeholder costs associated with meeting proposed solutions, such as acquisition of additional equipment and document conversion and processing (labor) costs.

- The NRC will provide the contractor with a report summarizing the NRC's knowledge of the scope, characteristics, timing, numbers, and types of documentary materials to be produced by and submitted to the NRC related to the HLW proceeding. The report will document the functional requirements of the user community with respect to their different usages of the same documents, and associated work activities (document intake and capture, records management, licensing review, docketing management, courtroom management, appellate review, public access). In addition, the NRC will provide the contractor with documentation detailing existing processes, limitations, and capabilities of NRC's systems related to the electronic receipt via EIE, capture, and utilization of HLW documentary materials.
- Through review of the material provided by the NRC and interviews as necessary to understand and clarify the existing capabilities and functional requirements, the contractor shall perform a gap analysis between the existing capabilities of NRC's systems and the functional requirements the user community.

- The contractor shall identify and evaluate alternative solutions available for meeting the functional requirements of the user community. The evaluation shall identify any changes to the agency's current information technology capabilities and/or information management practices, and recommendations regarding the adoption of alternatives including instances where rules should be changed because of technology or cost limitations. The evaluation shall also characterize the technical risk and estimated cost of the alternative solutions.
- The contractor shall present alternatives and proposed recommendations to OCIO, OGC, SECY, NMSS, and ASLBP management.
- Based on NRC management feedback, the contractor shall develop an action plan to implement the selected solution(s).

d. Milestone Schedule

Tasks/activities to meet the requirements to handle HLW large volume documents are identified below:

Task	Lead	Status	Completion Date
Identify / develop survey instrument to collect data on scope, characteristics, timing, etc. of HLW documentary materials to be submitted to NRC	Task Force	Pending	9/23/2002*
Develop report summarizing the NRC's knowledge of the scope, characteristics, timing, numbers, and types of documentary materials to be produced by and submitted to the NRC related to the HLW proceeding	SECY	Pending	10/18/2002*
Perform a gap analysis between the existing capabilities of NRC's systems and the functional requirements of the user community	Contractor	Pending	11/15/2002*
Identify and evaluate alternative solutions available for meeting the functional requirements of the user community	Contractor	Pending	12/02/2002*
Present alternatives and proposed recommendations to OCIO, OGC, SECY, NMSS, and ASLBP management	Contractor/Task Force	Pending	12/15/2002*
Develop an action plan to implement the selected solution(s)	Contractor/Task Force	Pending	02/15/2003*

^{*} Independent government estimates, unsubstantiated by contractor.

e. Deliverables

The contractor shall provide all document deliverables in written and electronic format. Electronic documents shall be provided in the appropriate software compatible with the NRC standard software, Corel WordPerfect 8.0.

<u>Deliverables</u>	Due Date
Project Plan	09/16/2002*
Gap Analysis	11/15/2002*
Alternatives and Recommendations	12/15/2002*
Action Plan	02/15/2002*

^{*} Independent government estimates, unsubstantiated by contractor.

f. Acceptance of Work

The NRC reserves the right to negotiate additional work in the event such requirements become necessary. The NRC will notify the contractor of its intent to exercise this option in writing.

g. Level of Effort

The Government's estimated level of effort for this study is 500 staff hours.

h. Place of Performance

Work shall be performed primarily at NRC in the Two White Flint North (TWFN) Building in NRC provided space.

i. Government Furnished Equipment (GFE)/Government Furnished Information (GFI):

The contractor shall identify in the task proposal the type, amount, and time frame for any required Government resources, including those listed below. The following resources will be provided by the NRC:

- <u>Information Sources</u> NRC shall provide appropriate subject matter experts and support staff to facilitate;
- Documentation The NRC shall provide any internal documentation in the support of this effort; and
- Hours of Work The normal hours of work for the NRC are 8:00 a.m. to 5:00 p.m., Monday through Friday, except Federal holidays.

7. Publish the Center for Nuclear Waste Regulatory Analysis Documents

a. Background

The Nuclear Regulatory Commission (NRC) and the Center for Nuclear Waste Regulatory Analysis (CNWRA) are working collaboratively to identify High-Level-Waste (HLW) documents in CNWRA's document collection that must be entered into ADAMS to support HLW proceedings. Once entered into ADAMS, the CNWRA collection is required to support NRC's Licensing Support Network (LSN) web crawler collection, the Electronic Hearing Docket (EHD) Panagon repository, and the Publicly Available Records System (PARS) Panagon repository.

b. Statement of Work

The contractor shall provide a Lead Technical Consultant to work collaboratively with FileNET Professional Services (FPS) to publish a significant ADAMS collection of CNWRA documents to external HLW web and FileNET repositories. A high volume of these documents will be entered into ADAMS as custom packages and therefore will need to be converted to Panagon compound documents. Subsequently, the Panagon compound documents must be published to both the web-based HLW/LSN collection and selectively to the FileNET-based EHD. Also, due to the anticipated increased volume of documents, all extraneous Panagon Web Publishing (PWP) generated information on the web server must be eliminated and multi-valued fields must be delineated using the "pipe" symbol as opposed to PWP's "comma" delineator. The contractor can anticipate that at least two cycles of LSN testing will be necessary, resulting in minor follow-up corrective actions.

Contractor responsibilities include:

- Current publishing system technical architecture and processing documentation.
- Test FPS developed custom code to convert ADAMS custom packages to Panagon compound documents from main library to interim CS 5.1 server.
- Test FPS developed custom code to eliminate extraneous PWP generated information from documents published to the HLW LSN server from ADAMS.
- Test FPS develped custom code to replace PWP's "comma" delineator with the "pipe" symbol to delineate multi-valued fields in all published documents.
- Provide URL to text in all cases to allow LSN to full-text-index.
- Implement automatic publishing features from ADAMS to external repositories.
- Republish the HLW collection of single documents from ADAMS' main and legacy libraries to external repositories.

¹Custom Package to Panagon compound document conversion activities assigned to FileNET Professional Services.

- Publish converted packages (compound documents) from the interim CS 5.1 server to external repositories.
- · Convert unsupported file extensions such as .let to supported file extersions such as .txt.
- Identify via hardcopy report any database anomalies such as our files with no associated image or image files with no associated our.
- Demonstrate the feature to automatically capture and publish newly added documents.
- Provide full system and process documentation.

c. Deliverables

Deliverable	Lead	Dui	ration *
Current Publishing System Documentation		OAO	5 days
Testing/Results Report - FileNET's (FPS) Conversion of Packages to Compound Documents		OAO/ FPS	10 days
URL to Text - Allow LSN Full-Text-Index		OAO	5 days
Automatic Publishing - HLW/LSN Web Server		OAO	10days
Automatic Publishing - EHD CS 5.1 Server		OAO	10 days
Convert Extensions		OAO	10 days
Identify/Report Anomalies		OAO	5 days
Demonstrate/Deliver Full System Interoperability Features		OAO	5 days
Deliver Full System/Process Documentation		OAO	2 days

^{*} Independent government estimates, unsubstantiated by contractor.

d. Acceptance of Work

The NRC reserves the right to negotiate additional work in the event such requirements become necessary. The NRC will notify the contractor of its intent to exercise this option in writing.

e. Level of Effort

The Government's estimated level of effort for this work is 460 staff hours.

f. Place of Performance

Work shall be performed primarily at NRC in the Two White Flint North (TWFN) Building in NRC provided space.

17.D Status Reporting

The contractor shall provide regular and ad hoc status reports to the NRC CLIN Manager.

17.E Place of Performance

Performance of this task shall be accomplished primarily at the contractor facilities.

17.F Deliverables

Section #	Deliverable	Delivery Schedule
4.6	Weekly Status Reports	ongoing
4.6	Biweekly Status Reports	ongoing
4.6	Ad Hoc/Release Analysis Reports	as required
4.1 - 4.5	Software Tests on Units, Modules, and Subsystems	as required
4.1 - 4.5	Software Configuration Library Updates	as required

17.G Expertise/Skills

All staff performing activities directly related to the maintenance of the ADAMS software solution must have appropriate levels of experience with FileNET Panagon software, Visual Basic, TSM (formerly ADSM), Windows NT, NT Server, SQL Server, and other software foundations required to maintain the ADAMS solution.

17.H CLIN Manager

The manager for this CLIN is Wil Madison, 415-7221.

17.I <u>Level of Effort</u>

The total hours authorized under this work effort per application system is approximately 10,155 hours annually.

10 CFR 2 SUBPART J REQUIREMENTS

10 CFR 2 Subpart J requires that:

- Document production and the EHD are subject to the provisions of Subpart J. 10 CFR § 2.1011(a).
- NRC, DOE, parties and potential parties (i.e., the participants) provide the computer system necessary to comply with the requirements for electronic document production and service. Id. § 2.1011(b)(1).
- The participants shall comply with specified standards in designing systems necessary to comply with electronic document production and service. Id. § 2.1011(b)(2).
- Images must be 300dpi TIFF (black and white) or 150 dpi PNG (grey-scale or color) or 300dpi PDF (any media style); and that TIFF versions of those documents found on participant's machines [for LSN spidering], will be stored as TIFF images. No differentiation is made in the rule regarding single or multi-page TIFF images. Thus both are an acceptable format for use in the LSN. Id. § 2.1011(b)(2)(iv).
- The Office of the Secretary (SECY) will maintain the official docket of the proceeding. <u>Id.</u> § 2.1013(a)(1).
- SECY must determine that the application can be properly accessed under the Commission's electronic docket rules and will establish the docket (commencing with the staff docketing in an electronic form of the license application) as the official record materials in searchable full text or, for material that is not suitable for entry in searchable full text, by header and image, as appropriate. <u>Id.</u> § 2.1013(a)(2).
- All filings in the proceeding shall be transferred electronically by the submitter to the presiding officer, the parties, and SECY according to established format requirements and that a password security code will be required for the transmission of these documents. <u>Id.</u> § 2.1013(c)(1).

- f. Any unauthorized commitment or direction issued by the project officer 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 order or associated BPA.
- g. 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 thereto is subject to 52.233-1 Disputes.
- h. In addition to providing technical direction as defined in paragraph (b) of the section, the project officer shall:
 - 1. Monitor the contractor's technical progress, including surveillance and assessment of performance, and recommend to the CO 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 CO recommendations for approval, disapproval, or suspension of payment for supplies and services required under orders.
 - 4. Assist the contractor in obtaining the badges for the contractor personnel.
 - 5. Immediately notify the Personnel Security Branch, Division of Facilities and Security (PERSEC/DFS) (via e-mail) when a contractor employee no longer requires access authorization and return the individual's badge to PERSEC/DFS within three days after their termination.

7. Period of Performance

This order shall be effective from June 18, 2001 through June 17, 2003.

8. Consideration and Obligation

The total estimated amount (ceiling) of this order is \$16,420,411.25.

The amount presently obligated with respect to this order is \$12,873,131.13. The Contracting Officer may increase this amount from time to time by unilateral modification to the order. The obligated amount shall, at no time, exceed the order ceiling. 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. Any work undertaken by the Contractor in excess of the obligated amount specified above is done so at the Contractor's sole risk.

It is estimated that the amount currently allotted will cover performance of the effort through February 28, 2003.

9. FAR 52.232-7, "Payments under Time-and-Material and Labor-Hour Contracts"

FAR 52.232-7 is applicable and hereby incorporated into this order. The notification requirements of FAR 52.232-7 apply on a CLIN basis for this order.

BPA NO. NRC-33-01-182 ORDER NO. 001 FUNDING INFORMATION (THROUGH MODIFICATION NO. 38)

Attachment 2

CLIN NO.	APPN. NO.	B&R NO.	BOC CODE	JOB CODE NO.	COMMITMENT NO.	AMOUNT	Total Obligation (by CLIN)
001	31X0200.110	11015523105	252A	J1068	10170157	\$70,000.00	149,148.22
001 Mod. 1	31X0200.110	11015523105	252A	J1068	10170181C2	79,148.22	
002	31X0200.110	11015523105	252A	J1068	10170158	72,000.00	401,000.00
002 Mod. 2	31X0200.110	11015524120	252A	J1017	10170224	40,000.00	
002 Mod. 6	31X0200.210	21015523340	252A	J1068	10270050	26,500.00	
002 Mod. 9	31X0200.210	21015523340	252A	J1068	10270079	262,500.00	
003	31X0200.110	11015523105	252A	J1068	10170159	40,000.00	205,000.00
003 Mod. 6	31X0200 210	21015523340	252A	J1068	10270038	37,000.00	
003 Mod. 6	31X0200.210	21015523340	252A	J1068	10270051	27,000.00	
003 Mod. 9	31X0200 210	21015523340	252A	J1068	10270080	101,000.00	
004	31X0200 110	11015523105	252A	J1068	10170160	42,000.00	232,000.00

CLIN NO.	APPN. NO.	B&R NO.	BOC CODE	JOB CODE NO.	соммітмент но.	AMOUNT	Total Obligation (by CLIN)
004 Mod. 6	31X0200.210	21015523340	252A	J1068	10270039	38,000.00	
004 Mod. 6	31X0200 210	21015523340	252A	J1068	10270052	26,500.00	
004 Mod. 9	31X0200 210	21015523340	252A	J1068	10270081	125,500.00	
005	31X0200.121	12015101160	252A	J2916	200165063	100,000.00	1,558,837.73
005 Mod. 1	31X0200.121	12015101160	2574	J2916	200165063(I)	100,000.00	, ,
005	31X0200.121	12015101160	252A	J2917	200165064	50,000.00	
005	31X0200.121	12015101160	252A	J2918	200165064	50,000.00	
005 Mod. 1	31X0200.121	12015101160	2574	J2918	200165065(I)	24,991.48	
005	31X0200.121	12015101160	252A	J2919	200165066	50,000.00	
005	31X0200.121	12015103160	252A	J2921	200165062	10,000.00	
005	31X0200.120	12015101160	252A	J2925	200165068	5,000.00	1
005 Mod. 2	31X0200.121	12015101160	2574	J2918	200165065(I)	33,846.25	
005 Mod 2	31X0200.121	12015101160	2574	J2919	200165066(I)	75,000 00	

CLIN NO.	APPN. NO.	B&R NO.	BOC CODE	JOB CODE NO.	COMMITMENT NO.	AMOUNT	Total Obligation (by CLIN)
005 Mod. 9	31X0200 220	22015101160	2574	J2916	200265035	400,000.00	
005	31X0200.220	22015101160	2574	J2917	200265036	50,000.00	
005	31X0200.220	22015101160	2574	J2919	200265037	180,000.00	
005	31X0200 220	22015103160	2574	J2921	200265041	30,000.00	
005 Mod. 9	31X0200 220	22015101160	2574	J2918	200265048	200,000.00	
005 Mod. 10	31X0200.220	22015101160	252A	J2925	200265056	15,000.00	
005 Mod. 17	31X0200.220	22015101160	2574	J2919	200265037	150,000.00	
005 Mod. 21	31X0200 220	22015101160	2574	J2919	200265037	36,000.00	
005 Mod. 26	31X0200.220	22015101160	252A	J2925	200265056	20,000.00	
005 Mod. 27 De- obligate	31X0200.220	22015101160	2574	J2916	200265035	(110,000.00	
005 Mod. 34	31X0200.250	25015203162	252A	J5386	AA8500113	4,000.00	
005 Mod 38	31X0200.320	32015101160	2574	J2916	200365037	25,000.00	

CLIN NO.	APPN. NO.	B&R NO.	BOC CODE	JOB CODE NO.	COMMITMENT NO.	AMOUNT	Total Obligation (by CLIN)
005 Mod. 38	31X0200.320	32015101160	2574	J2917	200365048	10,000.00	
005 Mod. 38	31X0200.320	32015101160	2574	J2916	200365046	25,000.00	•
005 Mod. 38	31X0200 320	32015101160	2574	J2919	200365045	25,000.00	
006	31X0200.17M	17M15547160	252A	J7037	RQ70010176	2,700.00	14,700.00
006 Mod. 21	31X0200.27M	27M15547160	252A	J7037	RQ70020156	6,000.00	
006 Mod. 34	31X0200.27M	27M15547160	252A	J7037	RQ70020251	1,000.00	
006 Mod. 38	31X0200.27M	37M15547160	252A	J7037	RQ70030035	5,000.00	
007	31X0200.17N	17N15532160	252A	J7014	RQ70010200	80,000.00	670,473.00
007 Mod. 3	31X0200.17N	17N15532160	252A	J7014	RQ70010280	110,473.00	
007 Mod. 12	31X0200.27N	27N15532160	252A	J7014	RQ70020089	120,000 00	
007 Mod 21	31X0200.27N	27N15532160	252A	J7014	RQ70020144	120,000.00	
007 Mod. 34	31X0200.27N	27N15532160	252A	J7014	RQ70020213	120,000.00	

CLIN NO.	APPN. NO.	B&R NO.	BOC CODE	JOB CODE NO.	COMMITMENT NO.	AMOUNT	Total Obligation (by CLIN)
007 Mod. 37	31X0200.37N	37N15532174	252A	J7014	RQ70030014	120,000.00	
008	31X0200.17B	17B15108160	252A	J7002	RQ70010186	1,000.00	34,000.00
008 Mod. 3	31X0200.17B	17B15108160	252A	J7002	RQ70010283	11,000.00	
008 Mod. 26	31X0200 27B	27B15108160	252A	J7002	RQ70020197	12,000.00	
008 Mod. 34	31X0200.27B	27B15108160	252A	J7002	RQ70020270	10,000.00	
009	31X0300.130	13015601160	252A	L3044	RQ30ITCIS2001	7,500.00	22,500 00
009 Mod. 3&5	31X0300130	13015601160	252A	L3044	RQ30ITCIS2001	5,000.00	
009 Mod. 34	31X0300.230	23015601160	252A	L3044	30ITCIS2002	10,000.00	
010	31X0200.17N	17N15531160	252A	M7037	RQ70010184	30,000.00	211,319.00
010 Mod. 2	31X0200.17N	17N15531160	252A	M7007	70010276	10,000.00	
010 Mod. 21	31X0200.27	27N15531160	252A	M7037	RQ70020166	20,000.00	
010 Mod. 34	31X0200.27N	27N15531160	252A	M7037	RQ70020252	151,319.00	
011	31X0200.110	11015523105	252A	J1080	10170161	10,000.00	10,000.00

CLIN NO.	APPN. NO.	B&R NO.	BOC CODE	JOB CODE NO.	COMMITMENT NO.	AMOUNT	Total Obligation (by CLIN)
012	31X0200.07E	17E15548105	252A	B1564	RQ70010185	10,000.00	57,329.00
012 Mod. 2	31X200	17E15548160	252A	J7004	RQ70010254	20,000.00	
012 Mod. 4	31X0200	17E15548105	252A	B1564	RQACS01-302	8,129.00	
012 Mod. 34	31X200	27R15548160	252A	J7004	RQ70020257	12,000.00	
012 Mod. 38	31X200	37R15548160	252A	J7004	RQ70030033	7,200.00	
013	31X0200.120	12015101160	252A	J2922	200165070	26,489.00	286,489.00
013 Mod. 9	31X0200.220	22015101160	2574	J2922	200265034	65,000 00	
013 Mod. 12	31X0200.220	22015101160	2574	J2922	200265060	43,359.00	
013 Mod. 21	31X0200 220	22015101160	2574	J2922	200265060	91,641 00	
013 Mod. 34	31X0200.220	22015101160	2574	J2922	200265060(I)	20,000.00	1
013 Mod. 38	31X0200.320	32015101160	2574	J2922	200365047	40,000.00]
014	31X0200.110	11015524120	252A	J1017	10170153	1,500.00	1,500.00
015	31X0200	15015203135	252A	J5386	AA8500090	50,000.00	761,341.00

CLIN NO.	APPN. NO.	B&R NO.	BOC CODE	JOB CODE NO.	COMMITMENT NO.	AMOUNT	Total Obligation (by CLIN)
015 Mod. 1	31X0200	15015203135	252A	J5386	5001R135	71,591.00	
015 Mod. 10	31X0200	15015203135	252A	J5385	AA8500089	1,250.00	
015 Mod. 12	31X0200	25015203162	252A	J5386	AA8500103	370,000.00	
015 Mod 34	31X0200	25015203162	252A	J5386	AA8500112	266,000.00	
015 Mod. 35	31X0200	25015203162	252A	J5386	AA8500116	87,500.00	
015 Mod. 38	31X0200	25015203162	252A	J5386	correction	(85,000.00)	
016	31X0200.110	11015523110	252A	J1080	10170155	80,100.00	513,600.00
016 Mod. 10	31X0200.210	21015523340	252A	J1080	10270098	134,500.00	·
016 Mod. 12	31X0200.210	21015523340	252A	J1080	10270107	200,000.00	
016 Mod. 38	31X0200310	31015523340	252A	J1080	10370612	99,000 00	
017	31X0200.110	11015523105	252A	J1068	10170175	60,000.00	1,371,921.83
017 Mod 2	31X0200 110	11015524120	252A	J1017	10170210	125,000.00	

CLIN NO.	APPN. NO.	B&R NO.	BOC CODE	JOB CODE NO.	COMMITMENT NO.	AMOUNT	Total Obligation (by CLIN)
017 Mod. 3	31X0200.110	1115524120	252A	J1017	CIO001732KP	73,888.43	
017 Mod. 10	31X0200 210	2115524120	252A	J1017	10270116	250,000.00	
017 Mod. 21	31X0200.210	2115524120	252A	J1017	C10270174	202,705.67	
017 Mod. 34	31X0200.210	21015524120	252A	J1017	C10270233	260,294.33	
017 Mod. 35	31X0200	21015301189	252A	J1179	10270281	90,233.40	
017 Mod. 37	31X0200 310	31015524350	252A	J1017	10370548	156,000.00	
017 Mod. 38	31X0200.310	31015524350	252A	J1017	10370608C	153,800.00	
018	31X0200	14015511160	252A	B1458	401IT003	15,000.00	151,250.00
018 Mod. 33	x0200	24015511160	2570	B1458	ADM-02-168	136,250.00	
019	31X0200.17L	17L15546160	252A	J70341	RQ70010180	15,000.00	89,000.00
019 Mod 2	31X0200 17L	17L15546160	3142	J70341	RQ70010252	17,000 00	
019 Mod. 17	31X0200.27L	27L15546160	3142	J70342	RQ70020125	40,000.00	

CLIN NO.	APPN. NO.	B&R NO.	BOC CODE	JOB CODE NO.	COMMITMENT NO.	AMOUNT	Total Obligation (by CLIN)
019 Mod. 34	31X0200 27L	27L15546160	3142	J70342	RQ70020243	17,000.00	
020	31X0200.17L	17L15546160	252A	J70341	RQ70010189	20,000.00	130,000 00
020 Mod. 9	31X0200.27L	27L15546160	3142	J70342	RQ70020043	50,000.00	
020	31X0200.27L	27L15546160	252A	J70342	RQ70020174	30,000.00	
020 Mod. 37	31X0200.37L	37L15546160	252A	J7034	RQ70030013	10,000.00	
020 Mod. 38	31X0200.37L	37L15546160	252A	J7034	RQ70030032	20,000.00	
021 Mod. 1	31X0200.121	12015101160	2574	J2932	200165079	25,000.00	93,442.80
021 Mod. 21	31X0200.220	22015101160	2574	J2932	2002650780	18,342 80	
021 Mod. 21	31X0200.210	21015523340	253A	J1080	10270204	5,100.00	
021 Mod. 26	31X0200.27N	27N15532172	252A	N7053	RQ70020201	30,000.00	
021 Mod. 34	31X0200.27N	27N15532172	252A	N7053	RQ70020239	15,000.00	
022	31X0200.110	11015523110	252A	J1080	10170154	2,600.00	38,700.00
022 Mod. 9	31X0200.210	21015523340	252A	J1080	10270086	12,000 00	

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CLIN NO.	APPN. NO.	B&R NO.	BOC CODE	JOB CODE NO.	COMMITMENT NO.	AMOUNT	Total Obligation (by CLIN)
022 Mod. 14	31X0200.210	21015523340	252A	J1080	10270130	24,100.00	
023	31X0200 984	08415512120	252A	G8402	01	200,000.00	678,000.00
023 Mod. 2	31X0200.984	08415512120	2574	G8402	02	225,000.00	
023 Mod. 9	31X0200.984	28415512160	252A	G8402	03	133,000 00	
023 Mod 37	31X0200.384	38415512120	2574	G8402	04	40,000 00	
023 Mod. 38	31X0200.384	38415512120	2574	G8402		80,000.00	
024	31X0200	15015203110	252A	J5384	AA8500091	78,800.00	802,162.00
024 Mod. 1	31X0200	15015203110	252A	J5384	5001R136	33,469.00	
024 Mod. 9	31X0200	25015203232	252A	J5384	AA8500100	247,098.00	
024 Mod. 13	31X0200	25015203232	252A	J5384	AA8500104	150,000.00	
024 Mod. 21	31X0200	25015203232	252A	J5384	AA8500111	142,902.00	
024 Mod. 37	31X0200	35015203232	252A	J5384	AA8500118	89,893.00	

CLIN NO.	APPN. NO.	B&R NO.	BOC CODE	JOB CODE NO.	COMMITMENT NO.	AMOUNT	Total Obligation (by CLIN)
024 Mod 38	31X0200	35015203232	252A	J5384	AA8500120	60,000.00	
025	31X0200	15015201125	252A	J5373	AA8500093	15,000.00	15,000.00
026	31X0200	15015203160	252A	J5383	AA8500092	7,000.00	14,000.00
026 Mod 9	31X0200	25015203160	252A	J5383	AA8500101	2,000.00	
026 Mod. 12	31X0200	25015203160	252A	J5383	AA8500102	5,000.00	
027	see CLIN 15						0.00
028	31X0200.110	11015524110	252A	D2413	10170156	30,000 00	587,404 00
028 Mod. 2	31X0200.110	11015524110	252A	D2413	10170220	63,504.00	
028 Mod. 10	31X0200.210	21015524346	252A	D2413	10270103	100,000.00	
028 Mod. 13	31X0200 210	21015524346	252A	D2413	10270136	159,000 00	
028 Mod. 28	31X0200.210	21015524346	252A	D2413	10270185	150,000.00	
028 Mod. 34	31X0200.210	21015524346	252A	D2413	C10270235	84,900.00	
029	31X0200.160	16015110160	252A	Y6449	33011820129	25,000.00	75,000 00

CLIN NO.	APPN. NO.	B&R NO.	BOC CODE	JOB CODE NO.	COMMITMENT NO.	AMOUNT	Total Obligation (by CLIN)
029 Mod. 9	31X0200.260	26015110160	252A	Y6449	RES-C02326	25,000.00	
029 Mod. 26	31X0200.260	26015110160	252A	Y6449	RES-C02326	25,000.00	
030	31X0200.121	12015101160	252A	J2920	200165067	50,000.00	306,000 00
030 Mod. 9	31X0200.220	22015101160	2574	J2920	200265038	100,000.00	
030 Mod. 21	31X0200.220	22015101160	2574	J2920	200265038	106,000.00	
030 Mod. 38	31X0200.320	32015101160	2574	J2920	200365044	50,000.00	
031	31X0200.17N	17N15531160	252A	M7037	RQ70010211	5,000.00	70,000.00
031 Mod. 2	31X0200.17N	17N15531160	252A	M7037	RQ70010246	\$65,000.00	
032	31X0200 17A	17A15109160	252A	J7075	RQ70010177	1,200.00	59,000.00
032 Mod. 10	31X0200.27A	27A15109160	252A	J7075	RQ70020058	13,800 00	
032 Mod. 34	31X0200.27A	27A15109160	252A	J7075	RQ70020196	44,000.00	
033	31X0200 17C	17C15544160	252A	J70031	RQ70010193	750.00	750.00
034	Canceled					0.00	0.00

CLIN NO.	APPN. NO.	B&R NO.	BOC CODE	JOB CODE NO.	COMMITMENT NO.	AMOUNT	Total Obligation (by CLIN)
035 Mod. 2	31X0200	17N15532125	2572	N7019	RQ70010241	60,000.00	115,000.00
035 Mod. 3	31X0200	17N15532125	2572	N7019	RQ70010285	30,000.00	
035 Mod 6	31X0200	27N15532172	2572	N7015	RQ70020033	25,000.00	
036 Mod. 2	31X0200.110	11015523110	252A	J1068	10170205	119,000.00	119,000.00
037	31X0200	27N15532172	2572	N7015	RQ0020036	100,000.00	2,570,000.00
037 Mod. 10	31X0200	27N15532172	2572	N7015	RQ70020060	500,000.00	
037 Mod 12	31X0200.27N	27N15532172	2572	N7015	RQ70020090	400,000 00	
037 Mod. 21	31X0200 27N	27N15532172	2572	N7015	RQ70020169	275,000 00	
037 Mod. 34	31X0200.27N	27N15532172	2572	N7015	RQ70020226	400,000.00	
037 Mod. 34	31X0200.27N	27N15532172	2572	N7015	RQ70020277	350,000.00	
037 Mod 34	31X0200 27N	27N15532172	2572	N7015	RQ70020265	545,000.00	
038 Mod. 16	31X0200.260	26015110160	252A	Y6629	RESC02398	15,000.00	30,000.00

CLIN NO.	APPN. NO.	B&R NO.	BOC CODE	JOB CODE NO.	COMMITMENT NO.	AMOUNT	Total Obligation (by CLIN)
038 Mod. 34	31X0200.260	26015110160	252A	Y6629	RES-C02478	15,000.00	
039 Mod. 16	31X0200	25015203160	252A	J5418	AA8500106	20,000.00	20,000.00
040 Mod. 19	31X0200 210	21015522338	252A	J1157	10270158	8,773.20	19,773 20
040 Mod. 34	31X0200.210	21015522338	252A	J1157	CIO270240	11,000.00	
041	31X0200.220	22015101160	252	J3013	200265074	109,990.35	125,990.35
041 Mod. 38	31X0200.320	32015101160	3140	J3013	200365043	16,000.00	
042 Mod. 24	31X0200.210	21015523340	252A	J1080	10270184	70,000.00	70,000.00
043 Mod. 33	31X0200.210	21015523340	253A	J1068	10270204	50,000.00	185,000.00
043 Mod. 34	31X0200 210	21015523340	252A	J1075	C10270238	50,000 00	
043 Mod. 38	31X0200	25015203162	252A	J5386	correction	85,000.00	
044 Mod 33	31X0200	27K15545160	252A	J70332	RQ70020224	5,000.00	7,500.00
044 Mod 33	31X0200	27K15545380	252A	N70412	RQ7002024	2,500.00	

CLIN NO.	APPN. NO.	B&R NO.	BOC CODE	JOB CODE NO.	COMMITMENT NO.	AMOUNT	Total Obligation (by CLIN)
L		\$12,873,131.13	\$12,873,131.13				