

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE PAGE OF PAGES
1 4

2. AMENDMENT/MODIFICATION NO. 002
 3. EFFECTIVE DATE 09/17/01
 4. REQUISITION/PURCHASE REQ. NO. 6/14/01 RFPA CIO01182
 5. PROJECT NO. (If applicable)

6. ISSUED BY CODE
 U.S. Nuclear Regulatory Commission
 Division of Contracts and Property Mgt.
 Attn: Mark Flynn, MailStop T-7-I-2
 IT Acquisition Management Branch
 Washington DC 20555
 7. ADMINISTERED BY (If other than Item 6) CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)
 OAO Corporation
 ATTN: Harvard Hopkins
 Vice President
 7500 Greenway Center Drive
 Greenbelt MD 20770
 9A. AMENDMENT OF SOLICITATION NO.
 9B. DATED (SEE ITEM 11)
 10A. MODIFICATION OF CONTRACT/ORDER NO
 GS-35F-45240RC-33-01-182-001
 10B. DATED (SEE ITEM 13)
 X 06-18-2001

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 page 4.

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:
 D. OTHER (Specify type of modification and authority) Section F.8, FAR 212-4 and mutual agreement of the parties
 X

E. IMPORTANT: Contractor is not, is required to sign this document and return 2 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
 See pages 2-4 for description of modification.

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) HV Hopkins VP	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Mark Flynn Contracting Officer
15B. CONTRACTOR/OFFEROR <i>[Signature]</i> (Signature of person authorized to sign)	15C. DATE SIGNED 9/26/01
16B. UNITED STATES OF AMERICA BY <i>[Signature]</i> (Signature of Contracting Officer)	16C. DATE SIGNED 9/20/01

TEMPLATE-ADM001

ADM02

The purpose of this modification is to (1) increase the ceiling of the order by \$1,958,647.47 to add the CLIN 35 and CLIN 36 effort and incorporate changes to CLIN 5, 9, 19, 23, 24, 28, and 31, updating the statements of work (SOW) for CLIN 19, 24, and 28; (2) incorporate a no-cost change to CLIN 1 to include an additional labor category; (3) provide incremental funding for CLINs 2, 5, 10, 12, 17, 19, 23, 28, 31, 35, and 36; (4) identify the alternate Project Officer, and (4) correct the price schedule for year 2 of the order to reflect consolidation of the systems under CLIN 27 and CLIN 34 with the systems under CLIN 15 which occurred through Modification No. 1. The effort under CLIN 35 and 36 shall be performed in accordance with the statements of work for the efforts and the OAO proposal dated September 12, 2001, hereby incorporated. Accordingly, Order No. 1 under Blanket Purchase Agreement No. NRC-33-01-182 is hereby modified as follows:

1. Under the Price Schedule, pages 1 through 28 are deleted and replaced with the Price Schedule pages contained in Attachment 1 to this modification. This updated Price Schedule reflects the following changes to CLIN ceilings.
 - a. The ceiling for CLIN 1 has been decreased by \$100.27 to reflect a change in the labor mix, and addition of a labor category, for performance of the effort.
 - b. The ceiling for CLIN 5 has been increased by \$533,348.70 to add additional hours for maintenance activities to perform modifications to the RPS software not anticipated at award of the order.
 - c. The ceiling for CLIN 9 has been increased by \$10,895.50 (over 2 years) to include additional hours for yearly adaptive maintenance on the COMEDO system.
 - d. The ceiling for CLIN 15 for Year 2 has been increased by \$12,407.50 to reflect the consolidation of systems under CLIN 27 and CLIN 34 with the systems under CLIN 15. Consequently the ceilings for CLIN 27 and CLIN 34 have been reduced by \$3,545.00 and \$8,862.50 respectively.
 - e. The ceiling for CLIN 19 has been increased by \$73,082.00 (over 2 years) to provide user support for installation of software and trouble calls.
 - f. The ceiling for CLIN 23 has been decreased by \$140.00 to reflect a change in the labor mix for corrective and perfective maintenance on the HR Standard Reports Library in the first year of the order.
 - g. The ceiling for CLIN 24 has been increased by \$497,801.60 (over 2 years), to include NMSS GLTS maintenance and operational needs not initially included in the estimate for the effort.

- h. The ceiling for CLIN 28 has been increased by \$443,319.26 (over 2 years) to provide maintenance support for items related to redesign of the NRC website, not initially anticipated at award of the delivery order.
 - i. The ceiling for CLIN 31 has been increased by \$64,947.50 to accommodate additional hours for performance of adaptive maintenance required to CRDS to update the system to MS Access 2000 standards.
 - j. The ceiling for CLIN 35 in the amount of \$216,532.95 and CLIN 36 in the amount of \$118,960.23 have been established.
2. Under Section C, "CLIN 19," pages 139 and 140 are deleted and replaced with the corresponding pages contained in Attachment 1 to this modification.
 3. Under Section C, "CLIN 24," pages 166 through 185 are deleted and replaced with the corresponding pages contained in Attachment 1 to this modification.
 4. Under Section C, "CLIN 28," pages 199 through 203 are deleted and replaced with the corresponding pages contained in Attachment 1 to this modification.
 5. Under Section C, "Addendum A" is hereby added to accommodate the addition of CLINs for NRC systems accepted for maintenance and operational support under the order. Addendum A, "CLIN 35" and "CLIN 36," pages A-1 through A-16 contained in Attachment 1 to this modification, are hereby incorporated into the statement of work for the order.
 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 \$10,326,384.11."

"The amount presently obligated with respect to this order is \$2,502,438.95."
 7. Under Section F. 6, "Project Officer," page 240 is changed to add John Burton as alternate Project Officer.

A revised copy of pages 240 through 243, reflecting the changes to Section F.6 and F.8, is contained in Attachment 1 to this modification.

Accounting information for Modification No. 2 follows:

CLIN NO.	APPN. NO.	ACCTNG. ID NO.	B&R NO.	BOC	JOB CODE NO.	COMMITMENT NO.	AMOUNT
002	31X0200.110	N0118200102	11015524120	252A	J1017	10170224	40,000.00
005	31X0200.121	N0118200105	12015101160	2574	J2918	200165065(I)	33,846.25
005	31X0200.121	N0118200105	12015101160	2574	J2919	200165066(I)	75,000.00
010	31X0200.17N	N011820110	17N15531160	252A	M7007	70010276	10,000.00
012	31X200	N0118200112	17E15548160	252A	J7004	RQ70010254	20,000.00
017	31X0200.110	N0118200117	11015524120	252A	J1017	10170210	125,000.00
019	31X0200.17L	N0118200119	17L15546160	3142	J70341	RQ70010252	17,000.00
023	31X0200.984	N0118200123	08415512120	2574	G8402	02	225,000.00
028	31X0200.110	N0118200128	11015524110	252A	D2413	10170220	63,504.00
031	31X0200.17N	N0118200131	17N15531160	252A	M7037	RQ70010246	\$65,000.00
035	31X0200	N0118200135	17N15532125	2572	N7019	RQ70010241	60,000.00
036	31X0200.110	N0118200136	11015523110	252A	J1068	10170205	119,000.00
Total Obligation - Modification No. 2:							\$853,350.25

This modification obligates FY01 funds in the amount of \$853,350.25.

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.

Attachments:

1. Replacement pages
2. Summary of Obligations

PRICE/COST SCHEDULE: PRICE/COST SCHEDULE SUMMARY (Inclusive of Modification 2) Attachment 1

CLIN No.	Ceiling - Year 1	Ceiling - Year 2	Total Ceiling
001	\$149,047.95	\$0.00	\$149,047.95
002	\$260,235.28	\$270,647.36	\$530,882.64
003	\$111,616.60	\$116,076.40	\$227,693.00
004	\$176,693.55	\$183,799.90	\$360,493.45
005	\$1,222,989.05	\$717,263.74	\$1,940,252.79
006	\$8,014.87	\$8,367.26	\$16,382.13
007	\$349,782.52	\$363,796.70	\$713,579.22
008	\$22,192.20	\$23,123.00	\$45,315.20
009	\$11,267.40	\$11,718.70	\$22,986.10
010	\$20,204.00	\$21,013.00	\$41,217.00
011	\$6,849.12	\$7,122.76	\$13,971.88
012	\$55,252.32	\$57,459.32	\$112,711.64
013	\$66,812.80	\$68,035.70	\$134,848.50
014	\$4,090.20	\$4,254.00	\$8,344.20
015	\$136,823.15	\$142,312.10	\$279,135.25
016	\$161,240.80	\$167,603.00	\$328,843.80
017	\$761,012.75	\$791,484.90	\$1,552,497.65
018	\$33,206.40	\$34,535.46	\$67,741.86
019	\$44,725.00	\$45,424.00	\$90,149.00
020	\$107,354.00	\$111,663.60	\$219,017.60
021	\$42,437.00	\$44,173.50	\$86,610.50
022	\$14,917.43	\$15,543.20	\$30,460.63
023	\$557,945.91	\$580,433.20	\$1,138,379.11
024	\$359,367.00	\$446,797.00	\$806,164.00
025	\$18,371.50	\$19,120.50	\$37,492.00
026	\$8,408.76	\$8,752.80	\$17,161.56
027	\$0.00	\$0.00	\$0.00
028	\$294,636.65	\$313,960.10	\$608,596.75
029	\$44,738.40	\$46,531.20	\$91,269.60
030	\$106,470.82	\$110,749.00	\$217,219.82
031	\$68,270.90	\$3,456.60	\$71,727.50
032	\$13,053.80	\$13,576.80	\$26,630.60
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
TOTAL PRICE	\$5,575,515.35	\$4,750,868.76	\$10,326,384.11

PRICE/COST SCHEDULE - ITEMIZED BY CONTRACT LINE ITEM NUMBER (CLIN)

PRICE/COST SCHEDULE - YEAR 1

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
001 (Mod. 2)	O&M Transition Activities				
001(a)	Program Manager	150	hours		
001(b)	Project Manager	603	hours		
001(c)	Application Systems Analyst Manager	1024	hours		
001(d)	Application Systems Analyst Programmer	20	hours		
001(e)	Sr. Functional Analyst	6	hours		
TOTAL CLIN 1 CEILING - YEAR 1					\$149,047.95

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
002	Configuration Mgmt.				
002(a)	Program Manager	100	hours		
002(b)	Project Manager	1260	hours		
002(c)	Application Systems Analyst Manager	120	hours		
002(d)	Application Systems Analyst Programmer	1556	hours		
002(e)	Analyst 2	692	hours		
002(f)	Support Specialist 3	108	hours		
TOTAL CLIN 2 CEILING - YEAR 1					\$260,235.28

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
003	O&M Environment Administration				
003(a)	Project Manager	220	hours		
003(b)	Network Control Tech.	1880	hours		
TOTAL CLIN 3 CEILING - YEAR 1					\$111,616.60

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
004 (Mod. 1)	Systems Development Life-Cycle Mgmt. Methodology (SDLCMM)				
004(a)	Program Manager	200	hours		
004(b)	Project Manager	700	hours		
004(c)	Application Systems Analyst Manager	1150	hours		
004(d)	Application Systems Analyst Programmer	0	hours		
004(e)	Support Specialist 3	195	hours		
TOTAL CLIN 4 CEILING - YEAR 1					\$176,693.55

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
005 (Mod. 2)	O&M Support for Reactor Program Systems				
005(a)	Program Manager	475	hours		
005(b)	Project Manager	80	hours		
005(c)	Application Systems Analyst Manager	380	hours		
005(d)	Application Systems Analyst Programmer	0	hours		
005(e)	Analyst 1	0	hours		
005(f)	Programmer 5	0	hours		

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
005 (Mod. 2)	O&M Support for Reactor Program Systems				
005(g)	Support Specialist 3	0	hours		
005(h)	Analyst 3	630	hours		
005(i)	Analyst 5	3250	hours		
005(j)	Sr. Functional Analyst	7052	hours		
005(k)	Technical Expert 2	1720	hours		
005(l)	Support Specialist 4	860	hours		
TOTAL CLIN 5 CEILING - YEAR 1					1,222,989.05

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
006	O&M Support for EDO Office Systems				
006(a)	Program Manager	10	hours		
006(b)	Application Systems Analyst Programmer	100	hours		
006(c)	Analyst 2	34	hours		
TOTAL CLIN 6 CEILING - YEAR 1					\$8,045.14

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
007 (Mod. 1)	O&M Support for FEES Program System				
007(a)	Program Manager	250	hours		
007(b)	Project Manager	330	hours		
007(c)	Application Systems Analyst Manager	0	hours		
007(d)	Application Systems Analyst Programmer	0	hours		
007(e)	Programmer 5	0	hours		

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
007 (Mod. 1)	O&M Support for FEES Program System				
007(f)	<i>Analyst 5</i>	1146	hours		
007(g)	Sr. Functional Analyst	2295	hours		
TOTAL CLIN 7 CEILING - YEAR 1					\$349,782.52

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
008 (Mod. 1)	O&M Support for Office of Enforcement Systems				
008(a)	Program Manager	40	hours		
008(b)	Project Manager	20	hours		
008(c)	Application Systems Analyst Programmer	0	hours		
008(d)	Support Specialist 3	40	hours		
008(e)	<i>Sr. Functional Analyst</i>	161	hours		
TOTAL CLIN 8 CEILING - YEAR 1					\$22,192.20

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
009 (Mod. 2)	O&M Support for Office of Inspector General Systems				
009(a)	Program Manager	10	hours		
009(b)	Application Systems Analyst Programmer	60	hours		
009(c)	Analyst 1	0	hours		
009(d)	Programmer 5	30	hours		
009(e)	<i>Application Systems Analyst Manager</i>	80	hours		
TOTAL CLIN 9 CEILING - YEAR 1					\$11,267.40

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
010	O&M Support for Office of the Chief Financial Officer Systems				
010(a)	Program Manager	50	hours		
010(b)	Programmer 5	300	hours		
010(c)	Support Specialist 3	50	hours		
TOTAL CLIN 10 CEILING - YEAR 1					\$20,204.00

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
011	O&M Support for Office of the Chief Information Officer Systems				
011(a)	Program Manager	10	hours		
011(b)	Application Systems Analyst Manager	32	hours		
011(c)	Analyst 1	94	hours		
TOTAL CLIN 11 CEILING - YEAR 1					\$6,849.12

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
012	O&M Support for ACRS Systems				
012(a)	Program Manager	86	hours		
012(b)	Programmer 5	64	hours		
012(c)	Document Coordinator (onsite)	500	hours		
012(d)	Document Specialist (onsite)	714	hours		
TOTAL CLIN 12 CEILING - YEAR 1					\$55,252.32

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
013 (Mod. 1)	O&M Support for PC Integrated Events				
013(a)	Program Manager	50	hours		
013(b)	Application Systems Analyst Manager (<i>off-site</i>)	650	hours		
013(c)	Programmer 5	384	hours		
TOTAL CLIN 13 CEILING - YEAR 1					\$66,812.80

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
014	O&M Support for NUDOCS				
014(a)	Application Systems Analyst Manager				
TOTAL CLIN 14 CEILING - YEAR 1					\$4,090.20

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
015 (Mod. 1)	O&M Support for NMSS Systems (now includes CLIN 27 and CLIN 34)				
015(a)	Program Manager	250	hours		
015(b)	Project Manager	90	hours		
015(c)	Application Systems Analyst Manager	175	hours		
015(d)	Application Systems Analyst Programmer	200	hours		
015(e)	Analyst 2	200	hours		
015(f)	Programmer 5	200	hours		
015(g)	Analyst 5	815	hours		
TOTAL CLIN 15 CEILING - YEAR 1					\$136,823.15

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
016	O&M Support for Data Base Administration				
016(a)	Project Manager	50	hours		
016(b)	Technical Expert 1 (onsite)	1880	hours		
016(c)	Support Specialist 3	70	hours		
016(d)	Travel	1	block	2000.00	2,000.00
TOTAL CLIN 16 CEILING - YEAR 1					\$161,240.80

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
017 (Mod. 1)	O&M Support for ADAMS				
017(a)	Program Manager	200	hours		
017(b)	Project Manager	55	hours		
017(c)	Application Systems Analyst Programmer	1660	hours		
017(d)	Analyst 2	520	hours		
017(e)	Technical Expert 2	1660	hours		
017(f)	Technical Expert 1	1650	hours		
017(g)	Analyst 5	1660	hours		
017(f)	Sr. Functional Analyst	1660	hours		
TOTAL CLIN 17 CEILING - YEAR 1					\$761,012.75

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
018	O&M Support for ADM Systems				
018(a)	Project Manager	50	hours		
018(b)	Application Systems Analyst Manager	30	hours		
018(c)	Analyst 2	70	hours		
018(d)	Programmer 5	548	hours		
TOTAL CLIN 18 CEILING - YEAR 1					\$33,206.40

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
019 (Mod. 2)	O&M Support for STARS				
019(a)	Project Manager	20	hours		
019(b)	Programmer 5	200	hours		
019(c)	Support Specialist 3	80	hours		

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
019 (Mod. 2)	O&M Support for STARS				
019(d)	Application Systems Analyst Manager	400	hours		
019(e)	Support Specialist 6	100	hours		
TOTAL CLIN 19 CEILING - YEAR 1					\$44,725.00

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
020 (Mod. 1)	O&M Support for SECY Web Pages				
020(a)	Project Manager	100	hours		
020(b)	Document Coordinator	1370	hours		
020(c)	Document Specialist	0	hours		
020(d)	Support Specialist 5	520	hours		
TOTAL CLIN 20 CEILING - YEAR 1					\$107,354.00

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
021 (Mod. 1)	O&M Support for Planned Accomplishment Conversions				
021(a)	Project Manager	100	hours		
021(b)	Application Systems Analyst Manager	0	hours		
021(c)	Analyst 2	0	hours		
021(d)	Sr. Functional Analyst	365	hours		
TOTAL CLIN 21 CEILING - YEAR 1					\$42,437.00

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
022 (Mod. 1)	O&M Support for Other Reactor Program Systems				
022(a)	Project Manager	25	hours		
022(b)	Application Systems Analyst Manager	0	hours		
022(c)	<i>Application Systems Analyst Programmer</i>	112	hours		
022(d)	<i>Sr. Functional Analyst</i>	70	hours		
TOTAL CLIN 22 CEILING - YEAR 1					\$14,917.43

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
023 (Mod. 2)	O&M Support for HR Systems				
023(a)	Project Manager	160	hours		
023(b)	Application Systems Analyst Manager	1880	hours		
023(c)	Application Systems Analyst Programmer	434	hours		
023(d)	Analyst 2	0	hours		
023(e)	Technical Expert 3	332	hours		
023(f)	Programmer 5	0	hours		
023(g)	Support Specialist 3	0	hours		
023(h)	Support Specialist 3 (onsite)	1880	hours		
023(i)	Documentation Coordinator	909	hours		
023(j)	Sr. Functional Analyst	1880	hours		
023(k)	<i>Technical Expert 2</i>	700	hours		
TOTAL CLIN 23 CEILING - YEAR 1					\$557,945.91

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
024 (Mod. 2)	O&M Support for GLTS				
024(a)	Project Manager	100	hours		
024(b)	Analyst 2	0	hours		
024(c)	Document Coordinator	3200	hours		
024(d)	Document Specialist	0	hours		
024(e)	Support Specialist 3	0	hours		
024(f)	Travel	4	trips		
024(g)	Analyst 5	1600	hours		
024(h)	Support Specialist 4	800	hours		
024(i)	Other Direct Costs (telephone)	10	months		
TOTAL CLIN 24 CEILING - YEAR 1					\$359,367.00

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
025 (Mod. 1)	O&M Support for NMSS MOX Project Web Page				
025(a)	Application Systems Analyst Manager (onsite)	0	hours		
025(b)	Document Specialist	0	hours		
025(c)	Documentation Coordinator (onsite)				
TOTAL CLIN 25 CEILING - YEAR 1					\$18,371.50

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
026 (Mod. 1)	O&M Support for NMSS RITS				
026(a)	Application Systems Analyst Manager	0	hours		

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
026 (Mod. 1)	O&M Support for NMSS RITS				
026(b)	Support Specialist 3 (onsite)	312	hours		
026(c)	Documentation Coordinator (onsite)	36	hours		
TOTAL CLIN 26 CEILING - YEAR 1					\$8,408.76

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
027 (Mod. 1)	O&M Support for NMSS FOIA (now under CLIN 15)				
027(a)	Application Systems Analyst Manager	0	hours		
TOTAL CLIN 27 CEILING - YEAR 1					\$0.00

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
028 (Mod. 2)	O&M Support for OCIO Web Management Function				
028(a)	Project Manager (offsite)	175	hours		
028(b)	Application Systems Analyst Manager (onsite)	0	hours		
028(c)	Document Specialist (onsite)	0	hours		
028(d)	Documentation Coordinator	3640	hours		
028(e)	Analyst 3	280	hours		
028(f)	Analyst 5	1680	hours		
TOTAL CLIN 28 CEILING - YEAR 1					\$294,636.65

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
029	O&M Support for RIMS				
029(a)	Application Systems Analyst Manager	30	hours		
029(b)	Application Systems Analyst Programmer	750	hours		
029(c)	Analyst 2	30	hours		
TOTAL CLIN 29 CEILING - YEAR 1					\$44,738.40

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
030 (Mod. 1)	O&M Support for NRR Web Pages				
030(a)	Project Manager	50	hours		
030(b)	Document Coordinator	0	hours		
030(c)	Document Specialist	0	hours		
030(d)	Support Specialist 6	2117	hours		
TOTAL CLIN 30 CEILING - YEAR 1					\$106,470.82

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
031 (Mod. 2)	O&M Support for Controller Resource Database System				
031(a)	Application Systems Analyst Programmer	210	hours		
031(b)	Sr. Functional Analyst	100	hours		
031(c)	Application Systems Analyst Manager	700	hours		
TOTAL CLIN 31 CEILING - YEAR 1					\$68,270.90

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
032	O&M Support for OIMIS				
032(a)	Project Manager	20	hours		
032(b)	Application Systems Analyst Programmer	200	hours		
TOTAL CLIN 32 CEILING - YEAR 1					\$13,053.80

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
033	O&M Support for OGC Office Systems				
033(a)	Application Systems Analyst Programmer				
TOTAL CLIN 33 CEILING - YEAR 1					\$1,994.04

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
034 (Mod. 1)	O&M Support for Region I Office Systems (<i>now under CLIN 15</i>)				
034(a)	Application Systems Analyst Manager	0	hours		
TOTAL CLIN 34 CEILING - YEAR 1					\$0.00

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
035 (Mod. 2)	<i>Configuration Management & Operational Support for STARFIRE</i>				
035(a)	Project Manager	100	hours		
035(b)	Application Systems Analyst Manager	435	hours		
035(c)	Technical Expert 3	900	hours		
035(d)	Technical Expert 4	60	hours		

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
035 (Mod. 2)	<i>Configuration Management & Operational Support for STARFIRE</i>				
TOTAL CLIN 35 CEILING - YEAR 1					\$216,532.95

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
036 (Mod. 2)	<i>O & M Support for Application Artifacts and Clipper Builds</i>				
036(a)	<i>Programmer 5</i>	559	hours		
036(b)	<i>Application Systems Analyst Manager</i>	405	hours		
036(c)	<i>Application Systems Analyst Programmer</i>	263	hours		
036(d)	<i>Sr. Functional Analyst</i>	402	hours		
036(e)	<i>Analyst 2</i>	291	hours		
036(f)	<i>Analyst 5</i>	80	hours		
TOTAL CLIN 36 CEILING - YEAR 1					\$118,960.23

PRICE/COST SCHEDULE (Continued)

PRICE/COST SCHEDULE - YEAR 2

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
002	Configuration Mgmt.				
002(a)	Program Manager	100	hours		
002(b)	Project Manager	1260	hours		
002(c)	Application Systems Analyst Manager	120	hours		
002(d)	Application Systems Analyst Programmer	1556	hours		
002(e)	Analyst 2	692	hours		
002(f)	Support Specialist 3	108	hours		
TOTAL CLIN 2 CEILING - YEAR 2					\$270,647.36

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
003	O&M Environment Administration				
003(a)	Project Manager	220	hours		
003(b)	Network Control Tech.	1880	hours		
TOTAL CLIN 3 CEILING - YEAR 2					\$116,076.40

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
004	Systems Development Life-Cycle Mgmt. Methodology (SDLCMM)				
004(a)	Program Manager	200	hours		
004(b)	Project Manager	700	hours		
004(c)	Application Systems Analyst Manager	616	hours		

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
004	Systems Development Life-Cycle Mgmt. Methodology (SDLCMM)				
004(d)	Application Systems Analyst Programmer	750	hours		
TOTAL CLIN 4 CEILING - YEAR 2					\$183,799.90

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
005	O&M Support for Reactor Program Systems				
005(a)	Program Manager	474	hours		
005(b)	Project Manager	76	hours		
005(c)	Application Systems Analyst Manager	5760	hours		
005(d)	Application Systems Analyst Programmer	950	hours		
005(e)	Analyst 1	1780	hours		
005(f)	Programmer 5	1880	hours		
005(g)	Support Specialist 3	1280	hours		
TOTAL CLIN 5 CEILING - YEAR 2					\$717,263.74

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
006	O&M Support for EDO Office Systems				
006(a)	Program Manager	10	hours		
006(b)	Application Systems Analyst Programmer	100	hours		
006(c)	Analyst 2	34	hours		
TOTAL CLIN 6 CEILING - YEAR 2					\$8,367.26

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
007	O&M Support for FEES Program System				
007(a)	Program Manager	250	hours		
007(b)	Project Manager	330	hours		
007(c)	Application Systems Analyst Manager	986	hours		
007(d)	Application Systems Analyst Programmer	3958	hours		
007(e)	Programmer 5	16	hours		
TOTAL CLIN 7 CEILING - YEAR 2					\$363,796.70

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
008	O&M Support for Office of Enforcement Systems				
008(a)	Program Manager	40	hours		
008(b)	Project Manager	20	hours		
008(c)	Application Systems Analyst Programmer	260	hours		
008(d)	Support Specialist 3	40	hours		
TOTAL CLIN 8 CEILING - YEAR 2					\$23,123.00

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
009 (Mod. 2)	O&M Support for Office of Inspector General Systems				
009(a)	Program Manager	10	hours		
009(b)	Application Systems Analyst Programmer	60	hours		
009(c)	Analyst 1	0	hours		
009(d)	Programmer 5	30	hours		

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
009 (Mod. 2)	O&M Support for Office of Inspector General Systems				
009(e)	Application Systems Analyst Manager	80	hours		
TOTAL CLIN 9 CEILING - YEAR 2					\$11,718.70

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
010	O&M Support for Office of the Chief Financial Officer Systems				
010(a)	Program Manager	50	hours		
010(b)	Programmer 5	300	hours		
010(c)	Support Specialist 3	50	hours		
TOTAL CLIN 10 CEILING - YEAR 2					\$21,013.00

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
011	O&M Support for Office of the Chief Information Officer Systems				
011(a)	Program Manager	10	hours		
011(b)	Application Systems Analyst Manager	32	hours		
011(c)	Analyst 1	94	hours		
TOTAL CLIN 11 CEILING - YEAR 2					\$7,122.76

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
012	O&M Support for ACRS Systems				
012(a)	Program Manager	86	hours		
012(b)	Programmer 5	64	hours		

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
012	O&M Support for ACRS Systems				
012(c)	Document Coordinator (onsite)	500	hours		
012(d)	Document Specialist (onsite)	714	hours		
TOTAL CLIN 12 CEILING - YEAR 2					\$57,459.32

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
013	O&M Support for PC Integrated Events				
013(a)	Program Manager	50	hours		
013(b)	Application Systems Analyst Manager (onsite)	650	hours		
013(c)	Programmer 5	560	hours		
TOTAL CLIN 13 CEILING - YEAR 2					\$68,035.70

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
014	O&M Support for NUDOCS				
014(a)	Application Systems Analyst Manager				
TOTAL CLIN 14 CEILING - YEAR 2					\$4,254.00

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
015 (Mod. 2)	O&M Support for NMSS Systems (Now includes CLIN 27 and CLIN 34)				
015(a)	Program Manager	250	hours		
015(b)	Project Manager	90	hours		
015(c)	Application Systems Analyst Manager	1035	hours		
015(d)	Application Systems Analyst Programmer	200	hours		
015(e)	Analyst 2	200	hours		
015(f)	Programmer 5	200	hours		
TOTAL CLIN 15 CEILING - YEAR 2					\$142,312.10

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
016	O&M Support for Data Base Administration				
016(a)	Project Manager	50	hours		
016(b)	Technical Expert 1 (onsite)	1880	hours		
016(c)	Support Specialist	70	hours		
016(d)	Travel	1	block	2000.00	2,000.00
TOTAL CLIN 16 CEILING - YEAR 2					\$167,603.00

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
017	O&M Support for ADAMS				
017(a)	Program Manager	200	hours		
017(b)	Project Manager	55	hours		
017(c)	Application Systems Analyst Programmer	5640	hours		
017(d)	Analyst 2	500	hours		
017(e)	Technical Expert 2	1880	hours		
017(f)	Technical Expert 1	1880	hours		
TOTAL CLIN 17 CEILING - YEAR 2					\$791,484.90

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
018	O&M Support for ADM Systems				
018(a)	Project Manager	50	hours		
018(b)	Application Systems Analyst Manager	30	hours		
018(c)	Analyst 2	70	hours		
018(d)	Programmer 5	548	hours		
TOTAL CLIN 18 CEILING - YEAR 2					\$34,535.46

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
019 (Mod. 2)	O&M Support for STARS				
019(a)	Project Manager	20	hours		
019(b)	Programmer 5	200	hours		
019(c)	Support Specialist 3	80	hours		
019(d)	Application Systems Analyst Manager	400	hours		

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
019 (Mod. 2)	O&M Support for STARS				
019(e)	Support Specialist 6	100	hours		
TOTAL CLIN 19 CEILING - YEAR 2					\$45,424.00

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
020	O&M Support for SECY Web Pages				
020(a)	Project Manager	100	hours		
020(b)	Document Coordinator	650	hours		
020(c)	Document Specialist	1880	hours		
TOTAL CLIN 20 CEILING - YEAR 2					\$111,663.60

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
021	O&M Support for Planned Accomplishment Conversions				
021(a)	Project Manager	100	hours		
021(b)	Application Systems Analyst Manager	450	hours		
021(c)	Analyst 2	50	hours		
TOTAL CLIN 21 CEILING - YEAR 2					\$44,173.50

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
022	O&M Support for Other Reactor Program Systems				
022(a)	Project Manager	25	hours		
022(b)	Application Systems Analyst Manager	183	hours		
TOTAL CLIN 22 CEILING - YEAR 2					\$15,543.20

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
023	O&M Support for HR Systems				
023(a)	Project Manager	160	hours		
023(b)	Application Systems Analyst Manager	250	hours		
023(c)	Application Systems Analyst Programmer	2000	hours		
023(d)	Analyst 2	100	hours		
023(e)	Technical Expert 3	1880	hours		
023(f)	Programmer 5	80	hours		
023(g)	Support Specialist 3	1880	hours		
023(h)	Support Specialist 3 (onsite)	900	hours		
TOTAL CLIN 23 CEILING - YEAR 2					\$580,433.20

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
024 (Mod. 2)	O&M Support for GLTS				
024(a)	Project Manager	100	hours		
024(b)	Analyst 2	0	hours		
024(c)	Document Coordinator	3760	hours		
024(d)	Document Specialist	340	hours		
024(e)	Support Specialist 3	0	hours		
024(f)	Travel	4	trips		
024(g)	Support Specialist 4	940	hours		
024(h)	Other Direct Costs (telephone)	12	months		
024(i)	Analyst 5	1880	hours		
TOTAL CLIN 24 CEILING - YEAR 2					\$446,797.00

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
025	O&M Support for NMSS MOX Project Web Page				
025(a)	Application Systems Analyst Manager (onsite)	150	hours		
025(b)	Document Specialist	300	hours		
TOTAL CLIN 25 CEILING - YEAR 2					\$19,120.50

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
026	O&M Support for NMSS RITS				
026(a)	Application Systems Analyst Manager	24	hours		
026(b)	Support Specialist 3	312	hours		
TOTAL CLIN 26 CEILING - YEAR 2					\$8,752.80

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
027(Mod. 2)	O&M Support for NMSS FOIA <i>Now under CLIN 15</i>				
027(a)	Application Systems Analyst Manager				
TOTAL CLIN 27 CEILING - YEAR 2					\$0.00

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
028 (Mod. 2)	O&M Support for OCIO Web Management Function				
028(a)	Project Manager	125	hours		
028(b)	Application Systems Analyst Manager (onsite)	0	hours		
028(c)	Document Specialist (onsite)	0	hours		
028(d)	Document Coordinator	3995	hours		
028(e)	Analyst 5	1880	hours		
TOTAL CLIN 28 CEILING - YEAR 2					\$313,960.10

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
029	O&M Support for RIMS				
029(a)	Application Systems Analyst Manager	30	hours		
029(b)	Application Systems Analyst Programmer	750	hours		
029(c)	Analyst 2	30	hours		
TOTAL CLIN 29 CEILING - YEAR 2					\$46,531.20

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
030	O&M Support for NRR Web Pages				
030(a)	Project Manager	50	hours		
030(b)	Document Coordinator	624	hours		
030(c)	Document Specialist	2046	hours		
TOTAL CLIN 30 CEILING - YEAR 2					\$110,749.00

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
031	O&M Support for Controller Resource Database System				
031(a)	Application Systems Analyst Programmer				
TOTAL CLIN 31 CEILING - YEAR 2					\$3,456.60

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
032	O&M Support for OIMIS				
032(a)	Project Manager	20	hours		
032(b)	Application Systems Analyst Programmer	200	hours		
TOTAL CLIN 32 CEILING - YEAR 2					\$13,576.80

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
033	O&M Support for OGC Office Systems				
033(a)	Application Systems Analyst Programmer				
TOTAL CLIN 33 CEILING - YEAR 2					\$2,073.96

CONTRACT LINE ITEM (CLIN) NO:	DESCRIPTION:	EST. QTY.	UNIT	UNIT PRICE	CEILING AMOUNT
034 (Mod. 2)	O&M Support for Region I Office Systems <i>Now under CLIN 15</i>				
034(a)	Application Systems Analyst Manager				
TOTAL CLIN 34 CEILING - YEAR 2					\$0.00

- 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).
- d. upon request, installing STARS software on end-user desk tops and going to previously installed desktops to perform software trouble shooting activities

c. Work of Contractor and NRC Technical Direction

The Contractor shall provide operational support in the form of Data Support, including data interpretation and correction, verification and entry, ad-Hoc Report Generation including development of new standard reports when needed, and Production Support for System Number 9509, STARS

The Contractor shall provide Data Entry Support on an occasional basis when requested. This is expected to occur less than 12 times during the year and could consist of approximately 100 new entries to the system which will be provided to the Contractor by the NRC work element manager. The Contractor shall also be responsible for making approximately 25 field corrections to records within the application system which are caused by changes to the NRC organization structure throughout the year. The Contractor shall complete all data entry items within 24 hour of receipt.

The Contractor shall provide Ad-Hoc Report Generation support to satisfy the Office of the Secretary's need to create approximately 30 reports per year. Most of these reports shall be generated in MS-ACCESS. Specific output formats will be provided at the time of the request to the contractor which shall be delivered by the NRC CLIN Manager. Reports shall be created, run and outputs delivered in two work days from the date of the request, unless otherwise requested by the CLIN Manager..

d. Operational Support Work Effort Reporting

An activity report is required biweekly describing the support services provided during the period. This report shall be delivered to the NRC CLIN Manager no later than 2 work days into the next biweekly period.

19.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 during normal business hours for on-call response.

19.D Schedule of Deliverables

<u>Deliverable Name</u>	<u>Responsibility</u>	<u>Delivery Schedule</u>
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 39 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, unless otherwise specified
Special Reports of Work and Status - Operational Support (2.d.)	Contractor	At frequency Directed

19.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.

19.F CLIN Manager

The manager for this CLIN is Andrew Bates, 415-1963.

19.G Level of Effort

The Government’s estimated level of effort is 200 staff hours per year.

CLIN 24 Operational Support for GLTS

24.A Background

Persons who wish to acquire, receive, possess, use or transfer radioactive material must do so in accordance with applicable U.S. Nuclear Regulatory Commission (NRC) and/or State regulations. In accordance with Title 10 of the U.S. Code of Federal Regulations (10 CFR), the NRC and/or some States license the use of radioactive material, either through a specific or a general license. A specific license is issued to a single person or entity, whereas a general license is issued to a certain group of persons or class of entities. A number of different types of general licenses have been issued by the NRC and Agreement States¹ covering a number of activities with radioactive materials. Commercial and industrial firms, research, educational and medical institutions, individuals in the conduct of their business, and Federal, State or local governments who acquire, receive, possess or use byproduct material² in certain measuring and gauging devices, and devices designed to produce light or an ionized atmosphere that have been manufactured and initially transferred in accordance with 10 CFR 32.51 are defined in 10 CFR 31.5 as general licensees. Persons who own, receive, acquire, possess or use aircraft luminous safety devices that have been manufactured and initially transferred in accordance with 10 CFR 32.55 are defined in 10 CFR 31.7 as general licensees.

In accordance with 10 CFR 32.52 and 32.56, persons licensed to initially transfer the devices described above to general licensees (referred to as GL vendors) are required to submit, on a periodic basis, a report of all such transfers. Transfers to 10 CFR 31.5 general licensees are required to be submitted on a quarterly basis (referred to as quarterly transfer reports), and transfers to 10 CFR 31.7 general licensees are required to be submitted on an annual basis (referred to as annual transfer reports). Approximately 400 quarterly and annual transfer reports are received by NRC each year. Quarterly transfer reports from GL vendors include information on each device transferred to a general licensee (e.g., device type, model and serial number, and the quantity and type of byproduct material contained in the device), and on the general licensee (e.g., name, address, and a person who serves as a point of contact between the NRC and the general licensee). GL vendors may be licensed to initially transfer devices to general licensees either by NRC or an Agreement State. GL vendors located in an Agreement State that

¹ An Agreement State is a State that the NRC has entered into an agreement with, that authorizes the State to regulate certain nuclear materials within its boundaries.

² See 10 CFR Part 30 for a definition of byproduct material.

transfer devices to general licensees in NRC jurisdiction³ are also required to submit quarterly and annual transfer reports to the NRC.

In accordance with 10 CFR 31.5, NRC general licensees are required to notify the NRC any time they transfer one of their generally licensed devices to another licensee (general or specific). NRC receives approximately 225 of these types of reports from general licensees each year. General licensees regulated by an Agreement State are not required to make these reports to NRC.

Some GL vendor quarterly and annual reports submitted to NRC, as well as reports submitted by general licensees, contain company proprietary or sensitive personal data and is handled in accordance with NRC Management Directive 12.6, "NRC Sensitive Unclassified Security Information Program," to ensure that sensitive, unclassified information is adequately protected from unauthorized disclosure.

NRC currently maintains information from the quarterly, annual, and general licensee transfer reports (as discussed above) in a computer database called the General License Tracking System (GLTS), and is planning to implement a registration program for certain 10 CFR 31.5 general licensees using GLTS. The GLTS contains current and historical information on approximately 100 GL vendors, 46,000 §31.5 and §31.7 NRC general licensees, and the estimated 600,000 devices currently possessed by these NRC general licensees. No Agreement State general licensees are entered into the system at this time, but if the Commission decides to use GLTS as the model for a national database, Agreement State general licensees may be entered into the GLTS.

Starting in March 2001, NRC shall implement a registration program (on an annual basis) for a subset of 10 CFR 31.5 general licensees. Specifically, 10 CFR 31.5 general licensees that possess a device containing the radioactive material (type and quantity) listed in the following table shall be subject to registration:

Isotope	Activity \geq	
	(mCi)	(MBq)
Cesium-137	10	370
Strontium-90	0.1	3.7
Cobalt-60 or Any Transuranic (e.g., Americium-241, Curium-244, etc.)	1	37

³ NRC jurisdiction includes all States into which NRC has not entered into an agreement for the discontinuance of its regulatory authority over nuclear materials (called non-Agreement States, which includes U.S. territories, off-shore waters, and all Federal facilities).

Approximately 3,300 general licensees currently in the GLTS meet this criteria and possess or use approximately 14,720 devices under the general licensee.

The annual registration program shall be implemented as discussed in Section 24.C below.

In addition, the NRC has changed the regulations concerning 10 CFR 31.5 general licensees and GL vendors that initially transfer devices to these general licensees⁴. The new regulations add additional reporting requirements for GL vendors and general licensees, including the requirement for general licensees to report changes of address. These reports shall also be entered into GLTS as discussed in Section 24.C below.

24.B Scope

This CLIN shall provide for the efficient collection, management, maintenance, and use of a database housing current and historical information on approximately 46,000 general licensees possessing approximately 600,000 devices, and for approximately 100 NRC and Agreement State GL vendors. In addition, the CLIN shall provide for the implementation and operation of an annual registration program for a portion of these general licensees. For bidding purposes, the contractor shall assume the registration program will include 6,000 general licensees possessing 24,000 devices. These objectives must be accomplished through the GLTS, which is an application written in Powerbuilder using a Sybase database platform and shall be maintained on application and data servers on the NRC local area network (LAN). The CLIN shall also provide for the management and maintenance of the GLTS, and shall support the needs of the NRC for general licensee registration, inspection, follow-up, and event response and evaluation when a generally licensed device is suspected of being involved in an event.

The GLTS shall be a key element for the NRC to collect, monitor, and use general license information, to support enhanced regulatory oversight of a subset of the general licensees through a registration program, and to collect fees for general licensees that are required to register their devices. In addition, the GLTS shall be used to schedule and plan inspections of general licensees, and generate information for budgeting and resource planning purposes. The GLTS shall also support NRC's event response and evaluation program, enforcement program, and fee billing system, and may be used by up to 80 users in the NRC headquarters (HQ) office or in any of the four NRC regional offices.

⁴ U.S. Nuclear Regulatory Commission, "Requirements for Certain Generally Licensed Industrial Devices Containing Byproduct Material," Federal Register, Vol. 65, No. 243, December 18, 2000, p. 79139.

24.N Quality Assurance Procedures

The contractor shall maintain a formal quality assurance program (QAP) that assures the accuracy and completeness of the various tasks. The QAP shall include minimal effort requirements and escalating stages as needed to identify and correct deficiencies and errors. Major problems shall be brought to the attention of the NRC CLIN Manager as soon as they are identified.

24.O Other Terms and Conditions/Requirements

The NRC reserves the right to negotiate additional work in the event such requirements become necessary. The NRC shall notify the contractor of its intent to exercise this option in writing and shall exercise the option by means of a modification to the CLIN. Any such additional work shall be within the scope of the CLIN and shall be completed during the term of this CLIN.

It is also possible that additional other direct costs (ODCs) will be incurred. These may include such items as long distance telephone charges, reproduction costs, additional file cabinets for storing data, subscription to information services for locating licensees, additional equipment, software, or supply purchases, as needed, to support registration procedures.

The contractor shall be required to handle and protect from public release sensitive personal data and company confidential/proprietary information.

24.P CLIN Manager

The manager for this CLIN is Binesh Tharakan, 415-7138.

24.Q Level of Effort

The estimated level of effort (LOE) for this project is 3.5 staff years:

Task I	820 staff hours/yr
Task II	3,000 staff hours/yr
Task III	<u>3,200</u> staff hours/yr
TOTAL	7,020 staff hours/yr

CLIN 28 O & M Support for OCIO Web Management Function

28.A Background

The Nuclear Regulatory Commission (NRC) seeks assistance expanding and improving its World-Wide Web site to comply with the Electronic Freedom of Information Act and other legislation requiring the electronic dissemination of agency information to the public. evaluating and recommending new web management technologies for its World-Wide Web (Web) servers, and assisting in the design of structured document types and the creation of electronic submittal forms in the eXtensible Markup Language (XML).

NRC also seeks assistance redesigning its Public World-Wide Web site (<http://www.nrc.gov>) to improve (1) the public's access to information at the site, (2) site navigability, (3) site maintenance processes, and (4) compliance with the *Electronic Freedom of Information Act*, *Section 508 of the Workforce Rehabilitation Act*, and other legislation requiring the electronic dissemination of agency information to the public.

28.B Scope

This effort is to enable NRC (1) to populate its existing Web site with documents from the categories listed below; (2) to assist the staff, public, and NRC stakeholders in searching this information; (3) to maintain a repository of revisable technical reports in electronic format that is not susceptible to technological change; and (4) to assist in the redesign of the NRC Public Web Site.

The contractor shall accomplish the following tasks: (1) code select documents in the hypertext markup language (HTML), (2) design and administer Dreamweaver templates across the site, (3) maintain daily tape backups and purge unused files from the internal developmental staging server, (4) schedule and manage workflow for this and other web-related CLINs administered by the OCIO Web staff (including maintaining 8x5 office coverage), (5) correct HTML links at the site, (6) process e-mail received at the general site email account, (7) create and maintain link index files for the document collections at the agency public website.

28.C Statement of Work¹

1. Provide HTML coding support for principally large, static documents and document collections such as those listed in item a., below. If needed, the contractor shall also propose new designs for the existing NRC home page.
 - a. The contractor shall convert documents to HTML and PDF from WordPerfect (8 and later), ASCII, DBF, and other formats used by the agency. These documents

¹ The tasks in this scope of work are listed in order of priority, but may be completed concurrently.

and document collections may include (but are not limited to) the following, in order of priority:

1. Information Digest (NUREG-1350)
 2. Abstract Index Journal (NUREG-0304)
 3. NRC Legislation (NUREG-0980)
 4. NRC Regulations
 5. NRC Annual Report
 6. Generic Communications
 7. Policy Statements
 8. Regulatory Guides
 9. Management Directives
 10. Information Notices
 11. Administrative Letters
 12. Standard Review Plan
 13. Inspection Manual
 14. NRC Editorial Guide (NUREG-1379)
 15. Publishing Reports in the NUREG Series (NUREG-0650)
 16. Acronyms and Initialisms (NUREG-0544)
 17. Memoranda of Understanding
 18. Other NRC documents of high visibility (to be specified)
- b. The contractor shall assist the staff in developing HTML coding standards, practices, and procedures.
- c. The contractor shall assist in designing new HTML coding formats that comply with NRC legislation and practices, such as the Americans with Disabilities Act and in accordance with good human factors practice for computerized human system interfaces, such as the guidance contained in NUREG-0700, Revision 1.
2. Design and administer Dreamweaver templates across the site in accordance with the design practices defined in the attached Webmaster Style Guide
 3. Maintain daily tape backups and purge unused files from the internal developmental staging server
 4. Schedule and manage workflow for this and other web-related CLINs administered by the OCIO Web staff (including maintaining 8x5 office coverage)
 5. Correct HTML links at the site
 6. Process e-mail received at the general site email account
 7. Create and maintain link index files for the document collections at the agency public website.

8. The contractor shall code and post new documents within 3 - 5 days; update existing document collections within 2 - 3 days; index and link a collection of documents within 4 - 6 days; create a new site in 7 - 14 days; and revise or update an existing site in 2 - 3 days.

28.D Reporting Requirements

1. The contractor shall submit biweekly progress reports covering existing tasks.

The progress report shall also present any scheduling problems or technical issues that may have a major effect on a task. The report should also include task budget information such as hours or dollars used and remaining. The tasks covered by progress reports shall include--

- a. development of new HTML documents and
- b. work on prototyping an application

2. The contractor shall submit all documentation in draft form to the NRC for review and comment.

The NRC will give the contractor written comments within 10 work days of receipt of each draft report. The contractor shall prepare a final report within 10 work days of receipt of NRC comments.

3. The contractor shall submit all final documentation to NRC for approval before moving to the next milestone.

28.E Deliverables

1. Support HTML Coding

- a. The contractor shall deliver HTML document instances (as needed). This effort may include converting documents to HTML from WordPerfect (5.1 and later), ASCII, DBF, and other formats used by the agency
- b. The contractor shall deliver all DTDs, style sheets, data conversion programs, and any other such items created when prototyping applications. These items shall be delivered upon the completion and acceptance of the prototype.

2. Develop and administer templates--Design and administer Dreamweaver templates and associated library items across the site in accordance with the design practices defined in the attached Webmaster Style Guide

- a. Design templates. Continue designing templates and associated library items using Dreamweaver.
 - b. Administer templates. Populate redesign site with pages linked to Dreamweaver templates and associated library items. Maintain intranet web page (<http://nrcweb.nrc.gov:82/REDESIGN/templates.html>, or as otherwise specified) listing templates and giving instructions on their use.
3. Maintain daily tape backups and purge unused files from the internal developmental staging server (<http://nrcweb.nrc.gov>, or as otherwise specified)
 4. Schedule and manage workflow for this and other web-related CLINs administered by the OCIO Web staff (including maintaining 8x5 office coverage)
 5. Correct HTML links at the site. This includes correcting links in the document collections and in the high-level pages identified as part of the redesign process.
 6. Process e-mail received at the general site email account
 7. Create and maintain link index files for the document collections at the agency public website

28.F Place of Performance

Work shall be performed at the NRC Offices, 11545 and/or 11555 Rockville Pike, Rockville, Maryland.

28.G Schedule

1. Provide HTML coding support and design assistance

Continuing, as source material is supplied by NRC. Each document is expected to require less than 5 days of effort. A maximum of 500 pages maybe expected per week.

2. Develop and administer templates
 - a. Design templates. Continue designing templates and associated library items using Dreamweaver.
 - b. Administer templates. Populate redesign site with pages linked to Dreamweaver templates and associated library items. Maintain intranet web page (<http://nrcweb.nrc.gov:82/REDESIGN/templates.html>, or as otherwise specified) listing templates and giving instructions on their use.

3. Maintain daily tape backups and purge unused files from the internal developmental staging server (<http://nrcweb.nrc.gov>, or as otherwise specified)—see attachment.
4. Schedule and manage workflow for this and other web-related CLINs administered by the OCIO Web staff (including maintaining 8x5 office coverage)
5. Correct HTML links at the site
6. Process e-mail received at the general site email account (nrcweb@nrc.gov, or as otherwise specified)
7. Create and maintain link index files for the document collections at the agency public website (see attached).

28.H Expertise/Skills

1. Contract personnel shall have requisite training/experience in website design and technology, including WordPerfect, Dreamweaver, FTP processes. This shall include experience with Section 508 of the Workforce Rehabilitation Act and related guidance.
2. Contract personnel shall be available full time at NRC site (8 hours a day, 5 days a week on government business days).
3. Contract personnel shall provide telephone and other contact information to ensure availability throughout the period of contract.
4. Contract personnel shall meet weekly in person at the NRC site to discuss progress, present deliverables, and discuss any other issues that may arise.

28.I Attachments

1. Web page: NRC Management Controls, service levels, list of document collections, and site statistics - see current version at <http://www.internal.nrc.gov/OCIO/PSB/>
2. Tape backup schedule

28.J CLIN Manager

The manager for this CLIN is Jeffrey Main, 415-6845.

28.K Level of Effort

The Government's estimated level of effort is 6,000 staff hours per year. During the initial 2-month period, we require an estimated additional 480 staff hours to assist in revising links in the document collections and creating linked tabular indices for these collections.

NRCWEB Backup Procedures

Requirement

Each government business day, OAO shall verify that the tape for the current day has been inserted in the NRCWEB server tape drive and the tape for the previous day has been properly stored.

Definitions

Log - the spreadsheet file **backup procedure.wb3**, which is checked into the web maintenance folder in the Visual Source Safe (VSS) database.

Indicate - the process of recording a backup status entry in the Log. This involves three (3) steps:

- (1) check the log file out of VSS,
- (2) modify and save the file locally, and
- (3) check the log file back into VSS (no comment needed in the VSS

comment field).

Procedure

(1) Remove today's tape from the second-to-bottom drawer in the cabinet in T6D20 and take it to the server room (T6F1).

- If today's tape is in the drawer, take the tape to the server room and proceed to step 2, below.

- If today's tape is not in the drawer, proceed to step 2.

(2) Go to the server room, open the front cover on the server, and check the tape label.

- If today's tape is in the server drive, go to step 3.

- If today's tape is in neither the tape drive nor the drawer, immediately send an email to jdm1 and nrcweb,

and see me personally, if I am available; then **STOP HERE**.

- If a previous day's tape is in the tape drive, proceed to step 4.

(3) Verify the color of the tape drive light (**today's tape loaded**).

- If the light is yellow (solid or blinking), indicate in the log that today's tape has already been set for backup and **STOP HERE**.

- If the light is green, indicate in the log that today's tape was already set to eject, and immediately send an email to jdm1 and nrcweb, and see me personally, if I am available; then **STOP HERE**.

(4) Verify the color of the tape drive light (**previous day's tape loaded**).

- If the light is green, proceed to step 5.

- If the light is yellow (solid or blinking), indicate in the log that the [tape name] day's backup is incomplete, along with the name, color, and status of the tape status light (solid or blinking), and immediately send an email to jdm1 and nrcweb, and see me personally, if I am available; then **STOP HERE**.

(5) Swap yesterday's tape for today's tape in the server tape drive

4.1 Remove today's tape from its clear container.

4.2 On the server, pull the lever below yesterday's tape to disengage the tape from the drive mechanism.

(Make sure you pull the lever all the way up until it locks in a horizontal position)

4.3 Remove yesterday's tape from the tape drive and place it in the clear container.

4.4 Insert today's tape in the tape drive and press the lever until it locks in the "down" position.

(6) Place the container with yesterday's tape in the second-to-bottom drawer in the cabinet in T6D20.

CLINs Added by Modification

**CLIN 35 Configuration Management and Operational Support
for STARFIRE Page A-1**

**CLIN 36 O&M Support For Application Artifacts and CLIPPER
Builds..... Page A-8**

CLIN 35 Configuration Management and Operational Support for STARFIRE

35.A Background

The Nuclear Regulatory Commission has many computer based application systems in operation that require technical and operational support services. These systems are, for the most part, grouped by the NRC organization responsible for their functional use and operation.

NRC funds and manages required work associated with operations by the functional organizations responsible. This contract line item covers operations support services and configuration management refinement for the STARFIRE system.

The STARFIRE system is a fully integrated, agency-wide Financial and Resource Management System. This system is comprised of ten separate modules, plus an executive information system and data warehouse, which are being implemented in two parts. With the termination of the contract for the core accounting system in July 1999, the STARFIRE system implementation was downsized to include only those modules having the most immediate impact on the agency. The remaining modules will be the subject of a separate project action. When completed, the system will completely update the NRC's business capability and will serve as the single, authoritative source of financial and resource information for the entire agency. It will eliminate the need for individual offices to maintain the current mix of aging systems which minimally meet reporting and functional requirements of the agency and its program managers.

NRC has a Systems Development Life-Cycle Management Methodology (SDLCMM) which provides guidance regarding things to consider and steps to be taken in developing and maintaining application systems. The SDLCMM consists of a Handbook and companion volume of Procedures, Standards and Forms. The Contractor shall follow NRC's SDLCMM as it pertains to the conduct a construct of Configuration Management (CM).

NRC also operates a central repository for agency applications, the Configuration Management Library (CM Library). The Contractor shall submit all final application products, as defined in the SDLCMM, to the CM Library prior to deployment. The CM Library serves as the storage location for final tested products resulting from maintenance and development activities. The CM Library version of an application system is provided to the agency deployment team for installation and deployment.

35.B Objective

To provide configuration management and operational support for Office of the Chief Financial Officer application system known as STARFIRE. Also to assist the CFO with an analysis of the performance of the PeopleSoft product.

35.C Scope

The contractor will maintain the STARFIRE hardware and software under configuration management, assist in the final implementation/documentation/ and conduct of the configuration management process, and provide appropriate on-going support. Attendant to this will be a significant level of operations support. The systems to be covered by this work are as follows:

1. Systems to Be Serviced

a. STARFIRE Systems

1. PeopleSoft Modules using PeopleTools Ver 7.57(7.61) as follows:
 - a. Human Resources
 - b. Payroll
 - c. Time and Labor.
2. Other Software
 - a. GELCO Travel Manager Ver 7.1C (Pilot)
 - b. Metify Cost Accounting

35.D Statement of Work

1. Maintain the STARFIRE software baselines, collect change issue forms, schedule and conduct the STARFIRE Change Control Board meetings, issue minutes from the meetings, and provide approval authority notification for promotion of new software to the production environment.
2. Finalize and maintain the STARFIRE Change Management Process Guide. As the STARFIRE parallel test proceeds, it is expected that improvements to the procedures for managing the change process for STARFIRE will be identified. The contractor will be required to update the Change Management Process Guide to include these process improvements, i.e., refine and delineate the electronic processing approach to CM processing and fully incorporate this methodology into the CM process and re-issue an updated Change Management Process Guide for the project.

3. Develop a SUITS(PVCS) Users Guide. The Guide will consolidate the information currently included on SUITS in the Change Management Guide and provide more detailed instructions on SUITS usage as a configuration management tool.
4. 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.
5. The Contractor shall be a technical resource to the deployment team and remain available until deployment is completed.
6. Prepare for and transition CM planning and documents to the eventual O & M activity.
7. The contractor shall describe his technical approach to managing and maintaining the integrity of the configuration management process and assure it is consistent with the philosophies as defined in the SDLCMM and consistent with the STARFIRE PeopleSoft environment and business practice.
8. The Contractor shall perform STARFIRE application systems support. This responsibility covers a wide range of duties. Such support will take the form of technical analysis and reports, market surveys and cost estimations, technical assistance in troubleshooting STARFIRE anomalies working with technical team members and system software, technical project schedules and planning of technical support sequences such as “failover” planning, disaster recovery hardware setup and planning, systems test and evaluation planning, systems rollout technical evaluation, analysis and reports, software solutions research/technical documentation and fit analysis determination, technical installation support, technical guidance in the areas of hardware and software monitoring tools, technical analysis of UNIX scheduling tools, and technical product evaluations on an as needed basis.
- 1) The contractor shall do a review of PeopleSoft performance factors as they relate to our installation and provide a report, with findings and recommendations, that discusses whether or not our settings and hardware setups are optimized for the performance the NRC is seeking.

Background

The STARFIRE system has been experiencing performance issues with the execution of some COBOL processes, namely the Edit Time and Apply Rules processes which are under the Time and Labor modules of the PeopleSoft

system. NRC is divided into approximately 300 Time and Attendance units. Each unit (averages about 10 employees) and has a timekeeper and backup. Each individual employee enters their own time, but prior to the timekeepers submitting T&A units to certifying officials, they must make sure that all individuals have entered their time correctly. They do this by applying Edit Time and Apply Rules functions to their T&A units at least once at the end of each pay period. Depending on the number of errors and corrections, timekeepers may run edit time and apply rules several times. Edit Time and Apply Rules were designed and intended to be a batch process run overnight as constructed by PeopleSoft system designers. PeopleSoft has assisted us to modify this functionality so that these processes can be run at will, daily but still as a batch process.

We are running PeopleSoft's 7.51 database and 7.57 Tools. We operate on Windows NT Client stations with Pentium 200 or better processors with 128mb desktop memory. We execute 3 tier with local Novell file servers for most clients on a SUN 5500. The database is Sybase ver 11.92, the middleware application server is Bea Tuxedo and the SUN 5500 operating system is Unix 2.6. The machine has 8, 36 GB drives and 6, 9.1 GB drives in two each A5200 disk arrays, 6 - 336 Gigahertz processors are installed with 4 of them dedicated to SyBase.

A recent "load" test performed by Mercury, Interactive(report available), indicates that when we have a mix of employees entering time and timekeepers running Edit Time and Apply Rules at the same time (but not for the same individuals) Sybase CPU utilization goes as high as 90% and greater. With usage this high , performance is severely degraded. Additionally, when we simulated 20 timekeepers attempting to run Edit Time and Apply Rules functions at the same time, again performance is severely degraded.

We brought in a PeopleSoft Consultant/Tuner who offered 4 solutions. We implemented all of these solutions. They included:

- A. Data/Disk striping (Raid 0+1) to the database
- B. Opened access to a separate channels on both controllers and reorganized the disks to reduce/eliminate disk contention
- C. Raised the Memory to 6 Gigs
- D. Implemented named cache to the system and added table indexes.

This collectively sped up the processing, however, we would still like to improve system performance to assure that Timekeepers and employees have time to process all of their actions to support Payroll processes.

The contractor shall review the STARFIRE infrastructure to include all system hardware/software, network connections pertinent to PeopleSoft 3 tier, all settings in both software and operating systems, SyBase settings and any other pertinent information deemed necessary to help with an assessment of our implementation from the standpoint of performance. This item addresses a need to perform an assessment of the many settings pertinent to this software and hardware combination to ascertain that our configurations are correct and maximized for what we are attempting to achieve. In addition, the contractor shall deliver a report containing findings and recommendations that discusses what would be needed to improve performance above what is being seen today. NRC needs specific recommendations with an estimate of the probability that it will improve performance. In addition, we will seek a maintenance window to implement any proposed changes that are accepted by NRC and require an assessment document depicting performance statistics before and after the any changes are made.

The contractor shall review NRC's use of the PVCS Tracking CM Tool and suggest ways to improve it's stability by using a SyBase back end database. The contractor shall prepare an approach and provide an estimate of time and cost to develop this alternative.

35.E CM and Operational Support Work Effort Reporting

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

35.F Place of Performance

Some efforts(CM) under this contractor can be performed at the contractor site with the exception of some CCB meetings to be held at the NRC site. For the technical tasks, all of this work shall be performed at the NRC location. Access to the NRC facilities shall be provided by the NRC, as required during non-business hours.

35.G Schedule of Deliverables

<u>Deliverable Name</u>	<u>Responsibility</u>	<u>Due Date</u>
CM Draft Procedure Guide	Contractor	09/30/01
CM Final Procedure Guide	Contractor	10/14/01
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 document for PVCS fortification plan	Contractor	30 Days after award
New Versions of CM Products	Contractor	As Needed
Special Reports of Work and Status - Maintenance (1.h)	Contractor	At frequency directed
Ad-Hoc requests for Plans,MS Project	Contractor	At frequency directed
Special Reports of Work and Status - Operational Support	Contractor	At frequency directed
Recommended approach and Cost/Time Estimate to move PVCS to SyBase	Contractor	11/02/01
Report of recommendations for PeopleSoft environmental settings adjustments.	Contractor	9/30/01

35.H Personnel

Demonstrated experience in application systems software, platforms, network management and protocols, database administration knowledge and experience, experience with applications running on a NOVELL LAN platform supported by the UNIX Operating System on a SyBase Database using PeopleSoft code. Knowledge of SQR and support tools. MS NT workstation experience and knowledge are required to support the systems identified in relevant sections of this CLIN under technical support. Competency in technical, written communication, and analytical skills as demonstrate through prior assignments in the areas of configuration management to support the CM portion.

Item 9 SOW. - Strong PeopleSoft experience with database knowledge and experience in the SyBase product. Experience with performance problems and using specialized monitoring tools to analyse and correct server and application performance issues.

35.I CLIN Manager

The Manager for this CLIN is George Mathews, 415-7224.

35.J Level of Effort

The Government's estimated level of effort is 1,435 staff hours. In addition, the work of Item 9 is estimated at an additional 60 hours effort for a total estimated level of effort of 1,495 hours for the first year and 1,435 for the second year.

CLIN 36 O&M Support For Application Artifacts and CLIPPER Builds

36.A Objective

To provide maintenance support in unzipping and restoring active application system artifacts to the RELEASE3 folder on the CM Server and to modify and appropriate check in to CM CLIPPER application system builds such that they point to appropriate locations for vendor software products that have been installed consistent with vendor license conditions.

36.B Scope

The Contractor shall perform the specified maintenance activities for unzipping and replacing application artifacts in the CM RELEASE3 directory in unzipped format for the systems defined in TABLE 1 (97 application systems) working with the application program maintenance team to ensure that like named artifacts are properly stored to preserve the entire application and ensuring that unzipped forms of each of these artifacts can be appropriately checked out for maintenance in the future. The Contractor shall arrange through the proper NRC channels for the installation of Blinker 8 and the CLIPPER application vendor products through proper channels and shall ensure that all CLIPPER application vendor products (Clipper, UI, GENSY, NETLIB, Funky, Grumpfish, Blinker, R&R ReportWriter, dBase III +, etc.) are requested to be installed on workstations or servers consistent with the vendor product license. The Contractor shall attempt in this approach to normalize the CLIPPER maintenance product baseline to the minimum number of versions of the CLIPPER maintenance environment vendor products (i.e., one version of Blinker (BLINKER 8), one version of CLIPPER (CLIPPER 5.2d), etc.). Upon establishing this environment, the Contractor shall reconstruct the Build Procedures, Scripts, etc. and appropriately test these and check in a copy to the CM Library for each of the application systems defined in TABLE 2 (approximately 40-45 application systems).

Proper updates of the README files and other application system artifacts to reflect vendor product changes are required and these too shall be appropriately returned and checked in to CM.

All of the above activities (unzipping and reconstruction of build routines) shall begin with proper checkout of the application artifacts from the CM Server.

36.C Statement of Work

1. CM Unzip Activity

The Contractor shall develop and deliver with one week of CLIN startup an **Action Plan** that addresses the order and schedule for the delivery of each of the application systems' artifacts in the CM Library RELEASE3 directory in unzipped format. The Contractor shall update and deliver revised copies of this Action Plan as necessary throughout the period of performance of the CLIN.

The Contractor shall follow appropriate CM practices for checking out the application system artifacts for each of the active systems listed in TABLE 1. The Contractor shall ensure that CM works with the application system maintenance team. Utilizing the PKZIP and UNZIP products supplied by the NRC (18 copies), the Contractor shall Unzip and appropriately preserve the application artifacts (artifacts shall include documentation, source, executables, test data, etc.). The Contractor shall exercise care to ensure that in unzipping artifact names and order of use are maintained. It is known that the issue of duplicate names for artifacts will result from lower level unzipping; therefore, it is necessary that a knowledgeable maintenance team member be available to work with CM on ensuring that the structure of the application system artifacts is preserved; however, it is also necessary that the CM check-out at the module level not be compromised.

Upon creation and verification that the unzipped artifacts represent the production version the Contractor shall check these unzipped versions back into the RELEASE3 folder on the CM server.

The Contractor shall use the Semi-Monthly report as a means of reporting progress against the Action Plan. However, any issue or change shall be addressed via e-mail to the NRC CLIN Manager within one work day of identification.

Note: It is expected that the mainframe and mini application system artifacts will be primarily README files and as such will require minimum effort in performing the unzip operation. Therefore of the 97 application system represented in TABLE 1, approximately 22 of these will require limited effort to unzip and restore to CM.

TABLE 1

SYS NO	ACRONYM	PLATFORM	Maint By	STATUS	CLIN O/M	PORTFOLIO
	ZYINDEX FOR WIN			ACTIVE	Y	OTH-PC2
1205	IRTS (data table only)	NIHS		ACTIVE	Y	RPS
1206	TAPSS	NIHS		ACTIVE	Y	FEES
1208	TACS	NIHS		ACTIVE	Y	FEES
1213	MPS	NIHS		ACTIVE	Y	FEES
1216	SIMS	NIHS		ACTIVE	Y	RPS
1225	TAMS	NIHS		ACTIVE	Y	HR/LTS
1266	LTS	NIHS		ACTIVE	Y	HR/LTS
1281	MATANN	NIHS		ACTIVE	Y	FEES
1285	OOSS	PC/LAN-BASED		ACTIVE	Y	OTH-PC2
1289	FEES	NIHS		ACTIVE	Y	FEES
1290	RITS	NIHS		ACTIVE	Y	FEES
3005	FTE	NIHS		ACTIVE	Y	HR/LTS
3103	PAS	DG/MINI		ACTIVE	Y	HR/LTS
3105	ARS	DG/MINI		ACTIVE	Y	HR/LTS
3120	ATS	NIHS		ACTIVE	Y	HR/LTS
3300	CHC	DG/MINI		ACTIVE	Y	PERSEC
3320	NUDOCS (data/access)	DG/MINI		ACTIVE	Y	HR/LTS
3501	FACTS	PC/LAN-BASED		ACTIVE	Y	OTH-PC2
3502	FOSS	PC/LAN-BASED		ACTIVE	Y	OTH-PC2
3506	MATSYS	PC/LAN-BASED		ACTIVE	Y	FEES
3507	FACFEES	PC/LAN-BASED		ACTIVE	Y	FEES
3514	EDTTS	PC/LAN-BASED		ACTIVE	Y	PERSEC
3523	IRCAS	PC/LAN-BASED		ACTIVE	Y	OTH-PC2
3525	NUREG	PC/LAN-BASED		ACTIVE	Y	OTH-PC2
3527	ALTS	PC/LAN-BASED		ACTIVE	Y	OTH-PC
3528	EDO-DOLLS	PC/LAN-BASED		ACTIVE	Y	OTH-PC
3539	PREP	PC/LAN-BASED		ACTIVE	Y	PERSEC
3540	OIGTRV	PC/LAN-BASED		ACTIVE	Y	PERSEC
3543	MATREV	PC/LAN-BASED		ACTIVE	Y	FEES
3544	FUEL	PC/LAN-BASED		ACTIVE	Y	FEES
3545	COMEDO	PC/LAN-BASED		ACTIVE	Y	OTH-PC
3548	RATS	PC/LAN-BASED		ACTIVE	Y	OTH-PC
3549	PROC	PC/LAN-BASED		ACTIVE	Y	PERSEC
3550	REINV	PC/LAN-BASED		ACTIVE	Y	PERSEC
3551	SRAI	PC/LAN-BASED		ACTIVE	Y	PERSEC
3554	FTTS	PC/LAN-BASED		ACTIVE	Y	OTH-PC
3560	MONLOG	PC/LAN-BASED		ACTIVE	Y	FEES
3569	PMNS	PC/LAN-BASED		ACTIVE	Y	OTH-PC2
3570	CRSS (LARGE)	PC/LAN-BASED		ACTIVE	Y	PERSEC
3585	FEETRACK	PC/LAN-BASED		ACTIVE	Y	FEES
3587	ABS (H0032)	PC/LAN-BASED		ACTIVE	Y	PERSEC
3592-0	FACACT	PC/LAN-BASED		ACTIVE	Y	FEES
3592-N	FEESLBS	PC/LAN-BASED		ACTIVE	Y	FEES
3593	ETS	PC/LAN-BASED		ACTIVE	Y	OTH-PC2
3594	PIE	PC/LAN-BASED		ACTIVE	Y	OTH-PC2
3596	ADMS	PC/LAN-BASED		ACTIVE	Y	OTH-PC2
3597	OGC-WITS	PC/LAN-BASED		ACTIVE	Y	OTH-PC
3598	EDO-WITS	PC/LAN-BASED		ACTIVE	Y	OTH-PC
3599	RIMS	PC/LAN-BASED		ACTIVE	Y	OTH-PC
3601	OSCB	PC/LAN-BASED		ACTIVE	Y	OTH-PC
3603	ACRS(ETMS)	PC/LAN-BASED		ACTIVE	Y	OTH-PC2
3606	CERTS (PERSEC)	PC/LAN-BASED		ACTIVE	Y	PERSEC

SYS NO	ACRONYM	PLATFORM	Maint By	STATUS	CLIN O/M	PORTFOLIO
3608	FOLDER	PC/LAN-BASED		ACTIVE	Y	PERSEC
3609	NRR-WITS	PC/LAN-BASED		ACTIVE	Y	RPS
3611	FOLIO	PC/LAN-BASED		ACTIVE	Y	OTH-PC
3613	OIG-COMEDO	PC/LAN-BASED		ACTIVE	Y	OTH-PC
3615	RTS	PC/LAN-BASED		ACTIVE	Y	OTH-PC2
3619	TELEDIT	PC/LAN-BASED		ACTIVE	Y	OTH-PC2
3620	COR	PC/LAN-BASED		ACTIVE	Y	PERSEC
3621	EDOLS	PC/LAN-BASED		ACTIVE	Y	OTH-PC
6029	EATS	C/S		ACTIVE	Y	OTH-CS
9501	ADAMS	C/S		ACTIVE	Y	ADAMS
9509	STARS	C/S		ACTIVE	Y	OTH-CS
9615	ALLEG	C/S		ACTIVE	Y	RPS
9626	PC-RITSCARD	C/S		ACTIVE	Y	FEES
9709-	REPORTS MOD	C/S		ACTIVE	Y	RPS
9709-	SAM MOD	C/S		ACTIVE	Y	RPS
9709-	REACTOR	C/S		ACTIVE	Y	RPS
9709-	PERF MEAS MOD	C/S		ACTIVE	Y	RPS
9709-	TABLES MOD	C/S		ACTIVE	Y	RPS
9709-1	RPS/IP	C/S		ACTIVE	Y	RPS
9709-2	RPS/LOP	C/S		ACTIVE	Y	RPS
9709-4	RPS/IPAS	C/S		ACTIVE	Y	RPS
9709-5	RPS/IRTS	C/S		ACTIVE	Y	RPS
9709-6	INSP PLAN CYC MOD	C/S		ACTIVE	Y	RPS
9709-7	ITEM REPORT MOD	C/S		ACTIVE	Y	RPS
9719	OIMISWIN	C/S		ACTIVE	Y	OTH-CS
9746	CRDS	PC/LAN-BASED		ACTIVE	Y	OTH-PC
9760	VACANCY	LAN/PC BASED		ACTIVE	Y	HR/LTS
9778	FEESFTP	PC/LAN-BASED		ACTIVE	Y	FEES
9779	FEESSET			ACTIVE	Y	FEES
9779	PC-MATANN	PC/LAN-BASED		ACTIVE	Y	FEES
9817	IPS-R1 (in CM 9871)	NIHS		ACTIVE	Y	FEES
9896	CTACS	C/S		ACTIVE	Y	OTH-CS
A0048	OLTS	C/S		ACTIVE	Y	RPS
B0041	GLTS	C/S		ACTIVE	Y	GLTS
F0002	VACANCY	DG		ACTIVE	Y	HR/LTS
F0007	CERTS	DG/MINI		ACTIVE	Y	HR/LTS
F0016	CSRI			ACTIVE	Y	HR/LTS
F0017	ALSI	DG/MINI		ACTIVE	Y	HR/LTS
G0012	PDB	PC/LAN-BASED		ACTIVE	Y	OTH-PC2
H0031	RPTS MOD	PC/LAN-BASED		ACTIVE	Y	PERSEC
H0037	PMIS			ACTIVE	Y	PERSEC
H0038	PTS			ACTIVE	Y	PERSEC
H0045	METROCHECK			ACTIVE	Y	PERSEC
Z1011	TTS (TICKETS)			ACTIVE	Y	PERSEC

2. CLIPPER Application System Rebuilds

A. Definition of Applications Involved:

The Contractor shall review TABLE 2 and determine if any additional application system qualify to be defined as being maintained using the CLIPPER vendor product or its associated products (UI, GENSY, NETLIB,

Funcy, Grumpfish, Blinker, R&R ReportWriter, dBase III +, etc.). If any additional application systems are identified, the Contractor shall immediately notify the NRC CLIN Manager via e-mail so that technical direction on inclusion can be made.

TABLE 2

SYS NO	ACRONYM	PLATFORM	CLIN O/M
3501	FACTS	PC/LAN-BASED	Y
3502	FOSS	PC/LAN-BASED	Y
3506	MATSYS	PC/LAN-BASED	Y
3507	FACFEES	PC/LAN-BASED	Y
3514	EDTTS	PC/LAN-BASED	Y
3523	IRCAS	PC/LAN-BASED	Y
3525	NUREG	PC/LAN-BASED	Y
3527	ALTS	PC/LAN-BASED	Y
3528	EDO-DOLLS	PC/LAN-BASED	Y
3529	PREP	PC/LAN-BASED	Y
3540	OIGTRV	PC/LAN-BASED	Y
3543	MATREV	PC/LAN-BASED	Y
3544	FUEL	PC/LAN-BASED	Y
3545	COMEDO	PC/LAN-BASED	Y
3548	RATS	PC/LAN-BASED	Y
3549	PROC	PC/LAN-BASED	Y
3550	REINV	PC/LAN-BASED	Y
3551	SRAI	PC/LAN-BASED	Y
3554	FTTS	PC/LAN-BASED	Y
3560	MONLOG	PC/LAN-BASED	Y
3569	PMNS	PC/LAN-BASED	Y
3570	CRSS (LARGE)	PC/LAN-BASED	Y
3585	FEETRACK	PC/LAN-BASED	Y
3587	ABS (H0032)	PC/LAN-BASED	Y
3592-N	FEESLBS	PC/LAN-BASED	Y
3593	ETS	PC/LAN-BASED	Y
3594	PIE	PC/LAN-BASED	Y
3597	OGC-WITS	PC/LAN-BASED	Y
3598	EDO-WITS	PC/LAN-BASED	Y
3603	ACRS(ETMS)	PC/LAN-BASED	Y
3606	CERTS (PERSEC)	PC/LAN-BASED	Y
3608	FOLDER	PC/LAN-BASED	Y
3609	NRR-WITS	PC/LAN-BASED	Y
3613	OIG-COMEDO	PC/LAN-BASED	Y
3615	RTS	PC/LAN-BASED	Y
3619	TELEDIT	PC/LAN-BASED	Y
3620	COR	PC/LAN-BASED	Y
3621	EDOLS	PC/LAN-BASED	Y
9778	FEESFTP	PC/LAN-BASED	Y
9779	PC-MATANN	PC/LAN-BASED	Y

B. Establishing Proper Workstation Environments for Builds

The Contractor shall review the licenses for the various vendor products used in the Clipper based applications and shall develop a **Action Plan** which shall address the Installation Location of the Various CLIPPER based application system Vendor Products, addressing the best approach to minimizing the number of versions of the product baseline currently utilized to support CLIPPER based application systems. This plan shall be submitted to the NRC CLIN Manager within two work weeks of CLIN start up and shall address all vendor products including third party libraries and the NRCLIB. The Contractor shall assume that all NRC application systems shall be built to utilize BLINKER 8 which will be supplied to the Contractor prior to the start of this CLIN (12 copies). This version of BLINKER shall replace all prior versions used in the application systems.

The NRC CLIN Manager shall review this Plan and meet with the Contractor on the Plan. Such a Plan shall address each maintenance workstation by NRC Tag Number involved, Servers by ITID Call Name, the number of copies of what products on each and the conditions of the license for each of the vendor products, addressing whether they are Workstation Licenses or if the product may reside on a shared NOVELL server. Upon approval of this Action Plan the NRC will take the necessary steps to arrange for software installation in accordance with the details of the Action Plan.

As the Contractor begins the analysis of application systems and order of approach, the Contractor shall update the Action Plan to include each application system and the primary scheduled dates for code change, testing, update of documentation, and check-in to CM. It is anticipated that the Action Plan will be updated with this information and provided to the NRC CLIN Manager within one week of the software installation approach being approved. The Action Plan status shall be addressed in the semi-monthly reports provided under the contract. Any issues shall be immediately conveyed to the NRC CLIN Manager via e-mail.

C. Renovation of Build Routines for CLIPPER application systems

The Contractor shall check out the current production version of the application system and using the new Clipper application software maintenance installation environment as the standard baseline for vendor product delivery, renovate the build routines for the Clipper applications. Renovation shall include all necessary compiling, linking, testing, and update of documentation necessary to ensure that the SDLCMM is followed and that the artifacts checked back into the CM Library are complete and reliable.

D. Check in of Renovated CLIPPER application systems and their artifacts

The Contactor shall ensure that all CLIPPER application systems are appropriately checked back into the CM RELEASE3 Folder and that Builds can be replicated by the CM staff.

36.D Place of Performance

Most efforts under the CLIN will be performed at the contractor site with the exception of some meetings which may be conducted at the NRC location.

36.E Schedule of Deliverables

<u>Deliverable Name</u>	<u>Responsibility</u>	<u>Delivery Schedule</u>
Unzip Activity Action Plan	Contractor	CLIN start + 1 week
Build Activity Action Plan (Phase 1 Software Installation Plan)	Contractor	CLIN start +2 wks
Build Activity Action Plan (Phase 2 Application Schedule)	Contractor	One week of approval of Phase 1 Action Plan
Unzip and Build Activity Action Plan updates	Contractor	As needed
E-mails on Issues/Changes	Contractor	As needed throughout the CLIN activity, within one workday of identification
Updated Application Artifacts	Contractor	As completed, placed and verified by CM
Meetings	Contractor	As needed throughout the performance of the CLIN but at least monthly
Status/Progress Updates	Contractor	As part of the semi-monthly CLIN reports

36.F Expertise/Skills

The team mix of this CLIN shall include demonstrated experience in the areas of CM and CLIPPER application system maintenance as well as working knowledge of the NOVELL structures and rights.

36.G CLIN Manager

The manager of this CLIN is Karen VanDuser 415-7223

36.H Level of Effort

The Government's estimated level of effort is 2000 staff hours per year

36.I Period of Performance/Requested Completion Date

The requested completion date for this CLIN is NLT December 31, 2001

5. Customer Satisfaction Requirements

The Contractor is required to perform the effort described in this statement of work in a manner that is satisfactory to the NRC and that will ensure program success. The Performance Evaluation Report (Scorecard) attached to the SOW identifies the areas in which performance is critical to the success of this effort and the satisfaction of the NRC as a client, and indicates the manner in which customer satisfaction will be rated.

Customer satisfaction under each CLIN will be assessed by the CLIN Manager on a quarterly basis as it relates to each of the areas in the Performance Evaluation Report. The CLIN Manager will complete the Performance Evaluation Report to provide a rating recommendation to the BPA Project Officer for review and approval. Upon approval, the PO will provide the recommendation to the CO (with a copy to the Contractor) for action. A deduction of 1 percent of the total quarterly CLIN billing will be taken for each rating of "unsuccessful" on the Performance Evaluation Report under each CLIN, for up to a total deduction of 9 percent per CLIN. The Contractor shall address ratings of "marginally successful" and "unsuccessful" in writing within 30 days of receiving a copy of the report and describe the means for improvement in any area receiving these ratings. Customer satisfaction in relation to all critical areas shall be discussed at each monthly status meeting.

6. Project Officer

The Contracting Officer's authorized technical representative hereinafter referred to as the project officer for this order is:

<u>Project Officer</u>	<u>Alternate Project Officer</u>
Name: Guy Wright	John Burton
Address: US Nuclear Regulatory Commission Mailstop T6F19 Washington, DC 20555	US Nuclear Regulatory Commission Mailstop T6C30 Washington, DC 20555
Telephone Number: (301) 415-7201	(301) 415-5777

- a. Performance of the work under this order is subject to the technical direction of the NRC project officer. The term "technical direction" is defined to include the following:
 1. Technical direction to the contractor which shifts work emphasis between areas of work or tasks, authorizes travel which was unanticipated in the Schedule (i.e., travel not contemplated in the Statement of Work or changes to specific travel identified in the Statement of Work), fills in details, or otherwise serves to accomplish the contractual statement of work.

2. Provide advice and guidance to the contractor in the preparation of drawings, specifications, or technical portions of the work description.
 3. Review and, where required by the order, approval of technical reports, drawings, specifications, and technical information to be delivered by the contractor to the Government under the order.
- b. Technical direction must be within the general statement of work stated in the order. The project officer does not have the authority to and may not issue any technical direction which:
1. Constitutes an assignment of work outside the general scope of the order or associated BPA.
 2. Constitutes a change as defined in the "Changes" clause of the GSA contract.
 3. In any way causes an increase or decrease in the total fixed price or the time required for performance of any orders.
 4. Changes any of the expressed terms, conditions, or specifications of the order or associated BPA.
 5. Terminates the order, settles any claim or dispute arising under the order, or issues any unilateral directive whatever.
- c. All technical directions must be issued in writing by the project officer or must be confirmed by the project officer in writing within ten (10) working days after verbal issuance. A copy of the written direction must be furnished to the CO. A copy of NRC Form 445, Request for Approval of Official Foreign Travel, which has received final approval from the NRC must be furnished to the CO.
- d. The contractor shall proceed promptly with the performance of technical directions duly issued by the project officer in the manner prescribed by this clause and within the project officer's authority under the provisions of this clause.
- e. If, in the opinion of the contractor, any instruction or direction issued by the project officer is within one of the categories as defined in paragraph (c) of this section, the contractor may not proceed but shall notify the CO in writing within five (5) working days after the receipt of any instruction or direction and shall request the CO to modify the order or associated BPA accordingly. Upon receiving the notification from the contractor, the CO shall issue an appropriate modification or advise the contractor in writing that, in the CO's opinion, the technical direction is within the scope of this article and does not constitute a change under the "Changes" clause.

- 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 \$10,326,384.11

The amount presently obligated with respect to this order is \$2,502,438.95. 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 October 30, 2001.

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. 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	112,000.00
002	31X0200.110	11015524120	252A	J1017	10170224	40,000.00	
003	31X0200.110	11015523105	252A	J1068	10170159	40,000.00	40,000.00
004	31X0200.110	11015523105	252A	J1068	10170160	42,000.00	42,000.00
005	31X0200.121	12015101160	252A	J2916	200165063	100,000.00	498,837.73
005 Mod. 1	31X0200.121	12015101160	2574	J2916	200165063(l)	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(l)	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	

CLIN NO.	APPN. NO.	B&R NO.	BOC CODE	JOB CODE NO.	COMMITMENT NO.	AMOUNT	Total Obligation (by CLIN)
005	31X0200.121	12015101160	2574	J2918	200165065(I)	33,846.25	
005	31X0200.121	12015101160	2574	J2919	200165066(I)	75,000.00	
006	31X0200.17M	17M15547160	252A	J7037	RQ70010176	2,700.00	2,700.00
007	31X0200.17N	17N15532160	252A	J7014	RQ70010200	80,000.00	80,000.00
008	31X0200.17B	17B15108160	252A	J7002	RQ70010186	1,000.00	1,000.00
009	31X0300.130	13015601160	252A	L3044	RQ30ITCIS2001	7,500.00	7,500.00
010	31X0200.17N	17N15531160	252A	M7037	RQ70010184	30,000.00	40,000.00
010	31X0200.17N	17N15531160	252A	M7007	70010276	10,000.00	
011	31X0200.110	11015523105	252A	J1080	10170161	10,000.00	10,000.00
012	31X0200.07E	17E15548105	252A	B1564	RQ70010185	10,000.00	30,000.00
012	31X200	17E15548160	252A	J7004	RQ70010254	20,000.00	
013	31X0200.120	12015101160	252A	J2922	200165070	26,489.00	26,489.00
014	31X0200.110	11015524120	252A	J1017	10170153	1,500.00	1,500.00
015	31X0200	15015203135	252A	J5386	AA8500090	50,000.00	121,591.00
015 Mod. 1	31X0200	15015203135	252A	J5386	5001R135	71,591.00	
016	31X0200.110	11015523110	252A	J1080	10170155	80,100.00	80,100.00
017	31X0200.110	11015523105	252A	J1068	10170175	60,000.00	185,000.00
017	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)
018	31X0200	14015511160	252A	B1458	4011T003	15,000.00	15,000.00
019	31X0200.17L	17L15546160	252A	J70341	RQ70010180	15,000.00	33,000.00
019	31X0200.17L	17L15546160	3142	J70341	RQ70010252	17,000.00	
020	31X0200.17L	17L15546160	252A	J70341	RQ70010189	20,000.00	20,000.00
021 Mod. 1	31X0200.121	12015101160	2574	J2932	200165079	25,000.00	25,000.00
022	31X0200.110	11015523110	252A	J1080	10170154	2,600.00	2,600.00
023	31X0200.984	08415512120	252A	G8402	01	200,000.00	425,000.00
023	31X0200.984	08415512120	2574	G8402	02	225,000.00	
024	31X0200	15015203110	252A	J5384	AA8500091	78,800.00	112,269.00
024 Mod. 1	31X0200	15015203110	252A	J5384	5001R136	33,469.00	
025	31X0200	15015201125	252A	J5373	AA8500093	15,000.00	15,000.00
026	31X0200	15015203160	252A	J5383	AA8500092	7,000.00	7,000.00
027	31X0200	15015203135	252A	J5385	AA8500089	1,250.00	1,250.00
028	31X0200.110	11015524110	252A	D2413	10170156	30,000.00	93,504.00
028	31X0200.110	11015524110	252A	D2413	10170220	63,504.00	
029	31X0200.160	16015110160	252A	Y6449	33011820129	25,000.00	25,000.00
030	31X0200.121	12015101160	252A	J2920	200165067	50,000.00	50,000.00

CLIN NO.	APPN. NO.	B&R NO.	BOC CODE	JOB CODE NO.	COMMITMENT NO.	AMOUNT	Total Obligation (by CLIN)
031	31X0200.17N	17N15531160	252A	M7037	RQ70010211	5,000.00	70,000.00
031	31X0200.17N	17N15531160	252A	M7037	RQ70010246	\$65,000.00	
032	31X0200.17A	17A15109160	252A	J7075	RQ70010177	1,200.00	1,200.00
033	31X0200.17C	17C15544160	252A	J70031	RQ70010193	750.00	750.00
034	Canceled					0.00	0.00
035	31X0200	17N15532125	2572	N7019	RQ70010241	60,000.00	60,000.00
036	31X0200.110	11015523110	252A	J1068	10170205	119,000.00	119,000.00
TOTAL OBLIGATION --						\$2,502,438.95	\$2,502,438.95