

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT1. CONTRACT ID CODE
VPAGE OF PAGES
1 32. AMENDMENT/MODIFICATION NO.
503. EFFECTIVE DATE
03-May-20194. REQUISITION/PURCHASE REQ. NO.
See Section G5. PROJECT NO. (If applicable)
N/A

6. ISSUED BY CODE

N00164

7. ADMINISTERED BY (If other than Item 6)

CODE S0701A

NSWC, CRANE DIVISION
300 Highway 361 - Building 3373
Crane IN 47522-5001
[REDACTED]DCMA HARTFORD
130 DARLIN STREET
EAST HARTFORD CT 06108-3234

SCD: C

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)

SCIENCE APPLICATIONS INTERNATIONAL CORP
12010 Sunset Hills Road
Reston VA 20190

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

[X]

10A. MODIFICATION OF CONTRACT/ORDER NO.

N00178-04-D-4119-FC37

10B. DATED (SEE ITEM 13)

24-Sep-2012

CAGE CODE 6XWA8

FACILITY CODE

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 one (1) copy of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT 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 SECTION G

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

(*) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

[]

[] B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).

[] C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

[X] D. OTHER (Specify type of modification and authority)
Deobligation - 52.232-22; 5252.232-9104E. IMPORTANT: Contractor [] is not, [X] is required to sign this document and return 1 copies to the issuing office.

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

SEE PAGE 2

15A. NAME AND TITLE OF SIGNER (Type or print)

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

15B. CONTRACTOR/OFFEROR

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA

16C. DATE SIGNED

[REDACTED]
(Signature of person authorized to sign)

03-May-2019

BY [REDACTED]
(Signature of Contracting Officer)

03-May-2019

NSN 7540-01-152-8070

30-105

STANDARD FORM 30 (Rev. 10-83)

PREVIOUS EDITION UNUSABLE

Prescribed by GSA
FAR (48 CFR) 53.243

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 2 of 3	FINAL
----------------------------------	---------------------------------------------	----------------------------------	----------------	-------

GENERAL INFORMATION

The purpose of this modification is to deobligate excess Lapsing funds prior to Task Order close-out. Contractor concurrence was received via email dated 24 April 2019. All emails have been uploaded in the 1102 files. Accordingly, said Task Order is modified as follows:

The Line of Accounting information is hereby changed as follows:

The total amount of funds obligated to the task is hereby decreased from \$10,081,290.44 by \$38,782.99 to \$10,042,507.45.

CLIN/SLIN	Type Of Fund	From (\$)	By (\$)	To (\$)
400015	PMC	99,990.77	(1,914.60)	98,076.17
400019	PMC	99,616.00	(910.01)	98,705.99
420014	RDT&E	65,000.00	(12,052.76)	52,947.24
420033	O&MN,N	116,492.56	(8,511.52)	107,981.04
420037	RDT&E	11,932.74	(417.59)	11,515.15
420039	O&MN,N	208,704.00	(2,162.29)	206,541.71
4202AK	O&MN,N	8,000.00	(3,593.37)	4,406.63
4401CH	O&MN,N	70,607.26	(1,013.09)	69,594.17
4401CP	O&MN,N	26,495.34	(2,509.95)	23,985.39
600004	RDT&E	4,456.97	(22.43)	4,434.54
600007	PMC	1,996.54	(4.32)	1,992.22
600008	PMC	1,807.65	(3.92)	1,803.73
620003	RDT&E	47.85	(0.12)	47.73
620005	O&MN,N	598.40	(0.60)	597.80
620009	O&MN,N	2,000.00	(646.40)	1,353.60
620010	O&MN,N	5,000.00	(5,000.00)	0.00
6401AD	O&MN,N	3,568.90	(20.02)	3,548.88

The total value of the order is hereby increased from \$17,238,634.00 by \$0.00 to \$17,238,634.00.

CLIN/SLIN	From (\$)	By (\$)	To (\$)
4201	708,734.21	3,593.37	712,327.58
4202AK	8,000.00	(3,593.37)	4,406.63
4400	1,094,906.09	3,523.04	1,098,429.13
4401CH	70,607.26	(1,013.09)	69,594.17
4401CP	26,495.34	(2,509.95)	23,985.39
6400	647,267.66	20.02	647,287.68
6401AD	3,568.90	(20.02)	3,548.88

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 3 of 3	FINAL
----------------------------------	---------------------------------------------	----------------------------------	----------------	-------

A conformed copy of this Task Order is attached to this modification for informational purposes only.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 1 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	------------------	-------

SECTION B SUPPLIES OR SERVICES AND PRICES

CLIN - SUPPLIES OR SERVICES

For Cost Type Items:

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
4000	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - Labor. (See Note A) (Fund Type - TBD)					\$4,719,697.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
400001	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - Labor for TI 10 (O&MN,N)					
400002	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - Labor for TI 11 (O&MN,N)					
400003	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - Labor for TI 03 Note: DeOb'ed \$20,000 on MOD 3 (OPN)					
400004	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - Labor					

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 2 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	------------------	-------

Item	PSC	Supplies/Services Qty	Unit	Target Cost	Target Fee	CPIF
		for TI 09 (DeOb'ed \$50,000 on MOD 8; PR#1300302706) (OPN)				
400005	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - Labor for TI 11 (O&MN,N)				
400006	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - Labor for TI 11 (RDT&E)				
400007	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - Labor for TI-001. De-obligated \$47,842.90 on MOD 49, leaving a balance of \$106,651.10. (O&MN,N)				
400008	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - Labor for TI-001. De-obligated \$24,658.29 on MOD 49, leaving a balance of \$82,127.71. (O&MN,N)				
400009	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - Labor for TI-007 (O&MN,N)				
400010	R425	PR previously applied (OPN)				

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 3 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	------------------	-------

Item	PSC	Supplies/Services Qty	Unit	Target Cost	Target Fee	CPIF
400011	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - Labor for TI-11 (RDT&E)				
400012	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - Labor for TI-10 (RDT&E)				
400013	R425	Funding not approved (OPN)				
400014	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - Labor for TI-11 Deobligated \$164,355.01 on MOD 14, leaving a balance of \$146,207.99. (RDT&E)				
400015	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - Labor for TI-02, ACRN B6, Labor \$100,000. De-obligated \$9.23 on MOD 48, leaving a balance of \$99,990.77. De-obligated \$1,914.60 on MOD 50, leaving a balance of \$98,076.17. (PMC)				
400016	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - Labor for TI-04 ACRN B6, Labor \$100,000. (PMC)				

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 4 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	------------------	-------

Item	PSC	Supplies/Services Qty	Unit	Target Cost	Target Fee	CPIF
400017	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - Labor for TI-07 ACRN B7, \$10,891.09 (OPN)				
400018	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - Labor for TI-10 ACRN B8 De-obligated \$9,688.98 on MOD 48, leaving a balance of \$86,745.02. (OPN)				
400019	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - Labor for TI-002 ACRN C1, \$100,000 FUNDS LIMITED TO AN/TPS-63 REFRESH ONLY. De-obligated \$384.00 on MOD 48, leaving a balance of \$99,616.00. De-obligated \$910.01 on MOD 50, leaving a balance of \$98,705.99. (PMC)				
400020	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - Labor for TI-004 ACRN C1, \$100,000 FUNDS LIMITED TO AN/TPS-63 REFRESH ONLY. (PMC)				
400021	R425	Technical, programmatic, configuration, and manufacturing support. Base				

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 5 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	------------------	-------

Item	PSC	Supplies/Services Qty	Unit	Target Cost	Target Fee	CPIF
		Year 1 - Labor for TI-011 ACRN C2, \$50,000 De-obligated \$3,761.22 on MOD 49, leaving a balance of \$46,238.78. (OPN)				
400022	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - Labor for TI-005 ACRN C3, Obligated at \$30,000 De-obligated \$30,000 on MOD 48, leaving a balance of \$0. (OPN)				
400023	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - Labor for TI-007 ACRN C9, Obligated at \$29,750 De-obligated \$1,985.74 on MOD 48, leaving a balance of \$27,764.26. De-obligated \$1,574.11 on MOD 49, leaving a balance of \$26,190.15. (O&MN,R)				
400024	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - Labor for TI-004 ACRN C6, \$136,000 De-obligated \$2,576.61 on MOD 48, leaving a balance of \$133,423.39. (RDT&E)				

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 6 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
4100	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - Surge Labor. (See Notes B and C) (Fund Type - TBD) Option					\$482,771.00

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
4200	R425	Technical, programmatic, configuration, and manufacturing support. Option Year 1 - Labor. (See Notes A and B) (Fund Type - TBD)					\$3,870,170.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
420001	R425	Technical, programmatic, configuration, and manufacturing support. Option Year 1 - Labor for TI-004 ACRN C6, \$242,000 NOTE: PERFORMANCE MAY NOT BEGIN UNTIL 24 SEPTEMBER 2013 (RDT&E)					
420002	R425	Technical, programmatic, configuration, and manufacturing support. Option Year 1 - Labor for TI-007 ACRN C7, \$25,000 NOTE: PERFORMANCE MAY NOT BEGIN UNTIL 24 SEPTEMBER 2013 (WCF)					

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 7 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
420003	R425	Technical, programmatic, configuration, and manufacturing support. Option Year 1 - Labor for TI-007 ACRN C8, \$20,234.95 NOTE: PERFORMANCE MAY NOT BEGIN UNTIL 24 SEPTEMBER 2013 (RDT&E)					
420004	R425	Technical, programmatic, configuration, and manufacturing support. Option Year 1 - Labor for TI-007 ACRN C1, \$80,000 NOTE: PERFORMANCE MAY NOT BEGIN UNTIL 24 SEPTEMBER 2013 (PMC)					
420005	R425	Technical, programmatic, configuration, and manufacturing support. Option Year 1 - Labor for TI-008 ACRN D1, \$18,446 NOTE: PERFORMANCE MAY NOT BEGIN UNTIL 24 SEPTEMBER 2013 (RDT&E)					
420006	R425	Technical, programmatic, configuration, and manufacturing support. Option Year 1 - Labor for TI-004 ACRN C6, \$50,000 NOTE: PERFORMANCE MAY NOT BEGIN UNTIL 24 SEPTEMBER 2013 (RDT&E)					
420007	R425	Technical, programmatic, configuration, and manufacturing support. Option Year 1 - Labor for TI-004 ACRN D2, \$50,000 NOTE: PERFORMANCE MAY NOT BEGIN UNTIL 24					

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 8 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
		SEPTEMBER 2013 (RDT&E)					
420009	R425	Technical, programmatic, configuration, and manufacturing support. Option Year 1 - Labor for TI-010 ACRN D4, \$50,159 NOTE: PERFORMANCE MAY NOT BEGIN UNTIL 24 SEPTEMBER 2013 (O&MN,N)					
420010	R425	Technical, programmatic, configuration, and manufacturing support. Option Year 1 - Labor for TI-010 in the amount of \$37,931 ACRN D5 (RDT&E)					
420011	R425	Option Year 1 - Labor for TI-011 in the amount of \$43,467 ACRN D6 (RDT&E)					
420012	R425	Option Year 1 - Labor for TI-008 in the amount of \$180,000 ACRN D7 (O&MN,N)					
420013	R425	Option Year 1 - Labor for TI-008 in the amount of \$49,270 ACRN D7 (O&MN,N)					
420014	R425	Option Year 1 - Labor for TI-008 in the amount of \$65,000 ACRN E1 De-obligated \$12,052.76 on MOD 50, leaving a balance of \$52,947.24. (RDT&E)					
420015	R425	Option Year 1 - Labor for TI-10 in the amount of \$26,146.00 ACRN E2 (RDT&E)					

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 9 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
420016	R425	Option Year 1 - Labor for TI-04 in the amount of \$1,000,000 ACRN E3 (PMC)					
420017	R425	Funding in support of TI-010, (NAVSEA/AEGIS /MWT). (O&MN,N)					
420018	R425	Funding in support of TI-007, (NAVSUP WSS AN/SPA-25; AN/SPS-48; AN/SPS- 55/PBLO). (WCF)					
420019	R425	Funding in support of TI-007, (NAVSUP WSS AN/SPA-25; AN/SPS-48; AN/SPS- 55/PBLO). (WCF)					
420020	R425	Funding in support of TI-007, (NAVSUP WSS AN/SPA-25; AN/SPS-48; AN/SPS- 55/PBLO). (WCF)					
420021	R425	Funding in support of TI-008, (NAVSEA/2F COG). (O&MN,N)					
420022	R425	Funding in support of TI-007, (NAVSEA/AN/SPS-40E /USCG). (O&MN,N)					
420023	R425	Funding in support of TI-011, (SPY-1 Microwave Tube/10 kW TWT engineering support). (RDT&E)					
420024	R425	Funding in support of TI-007, (NAVSEA/Continuous Improvement 6S boards). (WCF)					
420025	R425	Funding in support of TI-004, (engineering efforts to design, development and demonstration of MCSC/AN /TPS-59A(V)3, AN/TPS-63B, ANTPQ-46, AN/TPS-70). (RDT&E)					

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 10 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
420026	R425	Funding in support of TI-010, (SPY-1 Microwave Tube/10 kW TWT engineering support). (RDT&E)					
420027	R425	Funding in support of TI-010, (AEGIS Microwave Tube engineering support). (O&MN,N)					
420028	R425	Funding in support of TI-007, (production control support services for AEGIS MWT carcass screening). (WCF)					
420029	R425	Funding in support of TI-007, (production control and graphics support associated with the depot maintenance, shipboard repair, equipment installation and removals in support of 2F COG radar equipment. (O&MN,N)					
420030	R425	Funding in support of TI-007, for production control services in support of the programmatic, technical and engineering support for the AN/SPS-67(V) radar system (OPN)					
420031	R425	Funding in support of TI-001, for engineering support in support of 2F COG radar efforts (O&MN,N)					
420032	R425	Funding in support of TI-001, for radar restoration engineering support. (O&MN,N)					

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 11 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
420033	R425	Funding in support of TI-008, for radar restoration engineering support. De-obligated \$8,511.52 on MOD 50, leaving a balance of \$107,981.04. (O&MN,N)					
420034	R425	Funding in support of TI-007, for production control services as required for direct project management of the 2F COG radar depot maintenance program including overhaul and maintenance scheduling. (O&MN,R)					
420035	R425	Funding in support of TI-004, for engineering efforts to design, develop and demonstrate United States Marine Corp radar workload. (RDT&E)					
420036	R425	Funding in support of TI-010, for microwave component engineering support. (RDT&E)					
420037	R425	Funding in support of TI-011, for microwave component engineering support. Obligated at \$17,197.00 De-obligated \$5,264.26 on MOD 48, leaving a balance of \$11,932.74. De-obligated \$417.59 on MOD 50, leaving a balance of \$11,515.15. (RDT&E)					

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 12 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
420038	R425	Funding in support of TI-007, for production control services required to support Verification Testing on AEGIS MWT tubes. (WCF)					
420039	R425	Funding in support of TI-008, for life cycle support & maintenance in support of Dual Band Radar. Obligated at \$369,847, deobligated \$161,143 on MOD 26 leaving a balance of \$208,704. De-obligated \$2,162.29 on MOD 50, leaving a balance of \$206,541.71. (O&MN,N)					
4201	R425	Technical, programmatic, configuration, and manufacturing support. Option Year 1 - Labor. (See Notes A and B) (Fund Type - TBD)	1.0	LO	██████████	██████████	\$712,327.58
		Max Fee			██████████		
		Min Fee			██████████		
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4202		Technical, programmatic, configuration, and manufacturing support. Option Year 1 - Labor. (See Notes A and B)					\$287,672.42
4202AA	R425	Funding in support of TI-010, for microwave component	1.0	LO	██████████	██████████	\$23,610.00

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
		engineering support for the Microwave Tube Program. (RDT&E)					
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4202AB	R425	Funding in support of TI-004, for engineering efforts to design, develop and demonstrate United States Marine Corps radar workload. (PMC)	1.0	LO			\$100,000.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4202AC	R425	Funding in support of TI-007, for production control support of ALQ-184/ALM-233 Program (system components and subcomponents). (WCF)	1.0	LO			\$770.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4202AD	R425	Funding in support of TI-007, for overhaul of AN/SPS-48 antenna	1.0	LO			\$3,000.00

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 14 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
		and pedestal for LPD 27 including overhaul and/or replacement of antenna, waveguides, pressure regulators, cables, serpentines, pedestal, brakes, pumps, transducers, gearbox assembly, valves, oil and air lines and all miscellaneous material as required. Validate performance of overhauled antenna and pedestal. (SCN)					
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4202AE	R425	Funding in support of TI-007, for production control services required for AEGIS microwave tube (MWT) screening. (WCF)	1.0	LO			\$10,000.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4202AF	R425	Funding in support of TI-007, for production control services required for re-aging AEGIS CFA microwave	1.0	LO			\$8,000.00

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 15 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
		tubes (MWT). (WCF)					
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4202AG	R425	Funding in support of TI-004, for engineering efforts to design, develop and demonstrate United States Marine Corps radar workload for AN/TPS-63B receiver and exciter redesigns. (PMC)	1.0	LO			\$95,000.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4202AH	R425	Funding in support of TI-007, for production control services required to support in-service engineering for AEGIS microwave tubes (MWT). (O&MN,N)	1.0	LO			\$28,000.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 16 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
4202AJ	R425	Funding in support of TI-007, for production control services required to support the re-age of AEGIS microwave tubes (MWT). Obligated at \$15,195.00, de-obligated \$4,535.62 on MOD 48, leaving a balance of \$10,659.38. (WCF)	1.0	LO	██████████	██████████	\$10,659.38
		Max Fee			██████████		
		Min Fee			██████████		
		Government Overrun Share Line					70.0%
		Government Underrun Share Line					70.0%
4202AK	R425	Funding in support of TI-010, for microwave component engineering support for microwave tubes for the AEGIS program. De-obligated \$3,593.37 on MOD 50, leaving a balance of \$4,406.63. (O&MN,N)	1.0	LO	██████████	██████████	\$4,406.63
		Max Fee			██████████		
		Min Fee			██████████		
		Government Overrun Share Line					70.0%
		Government Underrun Share Line					70.0%
4202AL	R425	Funding in support of TI-015, for support of AEGIS microwave tube program for engineering, testing, technical documentation and	1.0	LO	██████████	██████████	\$4,226.41

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 17 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
		operational support. Obligated at \$4,500.00 De-obligated \$273.59 on MOD 48, leaving a balance of \$4,226.41. (O&MN,N)					
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
4300	R425	Technical, programmatic, configuration, and manufacturing support. Option Year 1 - Surge Labor. (See Notes B and C) (Fund Type - TBD) Option					\$498,077.00

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
4400	R425	Technical, programmatic, configuration, and manufacturing support. Option Year 2 - Labor. (See Notes A and B) (Fund Type - TBD)					\$1,098,429.13
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401		Technical, programmatic, configuration, and					\$3,907,196.87

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
		manufacturing support. Option Year 2 - Labor. (See Notes A and B)					
4401AA	R425	Funding in support of TI-3004, for engineering services to design, develop and demonstrate United States Marine Corps radar workload in support of transmitter refresh for the AN/TPS-63B program. (PMC)	1.0	LO	██████████	██████████	\$150,000.00
		Max Fee			██████████		
		Min Fee			██████████		
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401AB	R425	Funding in support of TI-3010, for Aegis Ashore microwave tube engineering support. (Fund Type - OTHER)	1.0	LO	██████████	██████████	\$35,483.00
		Max Fee			██████████		
		Min Fee			██████████		
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401AC	R425	Funding in support of TI-3011, for Agis ashore microwave tube test equipment and software engineering support. (Fund Type - OTHER)	1.0	LO	██████████	██████████	\$30,000.00
		Max Fee			██████████		

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 19 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401AD	R425	Funding in support of TI-3010, for engineering, logistical and programmatic support for product improvements of the 10kW microwave tube in support of the AEGIS program. (RDT&E)	1.0	LO			\$1,952.16
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401AE	R425	Funding in support of TI-3011, for AEGIS microwave tube reliability, maintainability and availability supporting microwave tube testing, test set calibration and modifying test software in support of the AEGIS program. (O&MN,N)	1.0	LO			\$5,488.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 20 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
4401AF	R425	Funding in support of TI-3010, for AEGIS microwave tube engineering support including engineering and oversight of modernization upgrades. (OPN)	1.0	LO	██████████	██████████	\$10,491.00
		Max Fee			██████████		
		Min Fee			██████████		
		Government Overrun Share Line					70.0%
		Government Underrun Share Line					70.0%
4401AG	R425	Funding in support of TI-307C, for production control services required to support NAVSUP performance based logistics-organic (PBL0) for AN/SPS-49 radar program. (WCF)	1.0	LO	██████████	██████████	\$14,285.71
		Max Fee			██████████		
		Min Fee			██████████		
		Government Overrun Share Line					70.0%
		Government Underrun Share Line					70.0%
4401AH	R425	Funding in support of TI-3017, for work with the business operations lead to review and monitor documents, assist in maintaining and updating the automated logging system for document numbering, remove and release documents as requested, maintain a record or master of copy	1.0	LO	██████████	██████████	\$18,000.00

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
		holders and provide reproduction and distribution. (PMC)					
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401AJ	R425	Funding in support of TI-307B, for production control services required to support AEGIS verification testing for the AEGIS program. (WCF)	1.0	LO			\$17,935.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401AK	R425	Funding in support of TI-307D, for production control services required to support the Transmitter Refresh for the AN/TPS-63B radar program. (PMC)	1.0	LO			\$10,000.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401AL	R425	10 USC 2410(a) Authority is hereby invoked.	1.0	LO			\$12,501.00

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
		Funding in support of TI-3011, for AN/SPQ-9B in-service engineering, microwave tube testing, test set calibration and modifying test software. (O&MN,N)					
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401AM	R425	10 USC 2410(a) Authority is hereby invoked. Funding in support of TI-307A, for production control support of Deport maintenance, shipboard repair, equipment installation and removals in support of 2F COG radar equipment. (O&MN,N)	1.0	LO			\$75,000.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401AN	R425	10 USC 2410(a) Authority is hereby invoked. Funding in support of TI-3001, for engineering support and logistics maintenance planning for Depot maintenance, shipboard repair,	1.0	LO			\$65,000.00

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 23 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
		equipment installation and removal in support of 2F COG radar equipment on ships. (O&MN,N)					
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401AP	R425	10 USC 2410(a) Authority is hereby invoked. Funding in support of TI-3008, for supoprt of the Radar program for 2F COG radar and AN/SPS- 48,AN/SPS-49, AN/SPS-67(V)3 and AN/SPS-55 radar efforts. (O&MN,N)	1.0	LO			\$180,000.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401AQ	R425	Funding in support of TI-3005, for technical and programmatic support to assist in acquisition engineering and engineering oversight of MK666 continuous wave illuminator test sets. Obligated at \$10,000.00 De-obligated \$8,912.56 on MOD 48, leaving a balance of \$1,087.44. (OPN)	1.0	LO			\$1,087.44

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401AR	R425	Funding in support of TI-3010, for in-service engineering for AEGIS microwave tubes (MWT) in accordance with AEGIS shipbuilding instruction No.7. (O&MN,N)	1.0	LO			\$2,947.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401AS	R425	Funding in support of TI-308A, for engineering and logistics support of Dual Band Radar with includes design, development, verification and validation testing of Radio Frequency sensor systems, subsystems and assemblies. (OPN)	1.0	LO			\$37,896.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401AT	R425	Funding in support of TI-3015, for engineering and	1.0	LO			\$19,798.93

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 25 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
		engineering oversight of AEGIS microwave tubes for DDG 119 supporting the AEGIS program. De-obligated \$3,201.07 on MOD 48, leaving a balance of \$19,798.93. (SCN)					
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401AU	R425	10 USC 2410(a) Authority is hereby invoked. Funding in support of TI-308A, for engineering and logistics support for radio frequency sensor systems including the Dual Band Radar. (O&MN,N)	1.0	LO			\$161,143.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401AV	R425	10 USC 2410(a) Authority is hereby invoked. Funding in support of TI-3010, for in-service engineering for AN/SPQ-9B microwave tubes including screen testing, recommending sparing and replenishment	1.0	LO			\$12,501.00

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 26 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
		strategies and performing engineering investigations. (O&MN,N)					
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401AW	R425	10 USC 2410(a) Authority is hereby invoked. Funding in support of TI-308A for a temporary test bed for transmit and receive Over-the-horizon-radar (OTHR) components for radio frequency environmental studies. (RDT&E)	1.0	LO			\$26,816.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401AX	R425	Funding in support of TI-3004, for engineering efforts to design, develop and demonstrate United States Marine Corps radar workload associated with AN/TPS-59 transmitter redesigns in support of Marine Corps Systems Command, MC3. (PMC)	1.0	LO			\$200,000.00
		Max Fee					

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 27 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401AY	R425	Funding in support of TI-307B, for production control/inventory management services required to support FY14 TPS NWS0401671 procurement of AEGIS Microwave Tubes (MWT) for the DDG119 for the AEGIS program. (SCN)	1.0	LO			\$50,000.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401AZ	R425	Funding in support of TI-307C, for production control support required for AN/SPS-55 performance based logistics-organic repair for AN/SPS-55 program. (WCF)	1.0	LO			\$1,128.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401BA	R425	Funding in support of TI-3010, for radar systems engineering	1.0	LO			\$13,766.59

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 28 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
		support and evaluation of the design, development and installation of the side wall capacitor and 10kW fault protection ORDALTS for the AN/SPY-1D and D(V) radars. (RDT&E)					
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401BB	R425	Funding in support of TI-3010, for AEGIS microwave tube in-service engineering agent support including engineering and oversight of microwave tubes (MWT). (O&MN,N)	1.0	LO			\$75,000.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401BC	R425	Funding in support of TI-3011, for the AEGIS program in support of AEGIS microwave tube in-service engineering agent support. (O&MN,N)	1.0	LO			\$75,000.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 29 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
	Government Underrun Share Line		70.0%				
4401BD	R425	Funding in support of TI-3017, for strategic program analyst services consisting of identifying, developing and mitigating risk management plans associated with on-going and new workload development for the AN/SPA-25G program. (WCF)	1.0	LO	██████████	██████████	\$42,000.00
	Max Fee		██████████				
	Min Fee		██████████				
	Government Overrun Share Line		70.0%				
	Government Underrun Share Line		70.0%				
4401BE	R425	Funding in support of TI-3010, for the AEGIS program in support of AEGIS microwave tube (MWT) engineering support. (SCN)	1.0	LO	██████████	██████████	\$93,630.00
	Max Fee		██████████				
	Min Fee		██████████				
	Government Overrun Share Line		70.0%				
	Government Underrun Share Line		70.0%				
4401BF	R425	Funding in support of TI-3004, for engineering services to design, develop and demonstrate United States Marine Corps radar workload in support of transmitter	1.0	LO	██████████	██████████	\$75,000.00

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 30 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
		refresh for the AN/TPS-59 program. (PMC)					
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401BG	R425	Funding in support of TI-3011, for the AEGIS program in support of AEGIS microwave tube (MWT) software and hardware support. (SCN)	1.0	LO			\$75,000.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401BH	R425	Funding in support of TI-3008, for maintenance and equipment repair for the radar restoration program in support of 2F COG radar equipment. Equipment is provided to ships to meet age related or Casualty Report (CASREP) requirements. (O&MN,N)	1.0	LO			\$42,124.19
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 31 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
	Government Underrun Share Line		70.0%				
4401BJ	R425	Funding in support of TI-3020, for production control services as required for AN/SPS-49 PBLO repair and management. (WCF)	1.0	LO	██████████	██████████	\$7,210.00
	Max Fee		██████████				
	Min Fee		██████████				
	Government Overrun Share Line		70.0%				
	Government Underrun Share Line		70.0%				
4401BK	R425	Funding in support of TI-3004, for engineering efforts to design, develop and demonstrate United States Marine Corps radar workload associated with AN/TPS-63 transmitter redesigns in support of Marine Corps Systems Command. (RDT&E)	1.0	LO	██████████	██████████	\$122,000.00
	Max Fee		██████████				
	Min Fee		██████████				
	Government Overrun Share Line		70.0%				
	Government Underrun Share Line		70.0%				
4401BL	R425	Funding in support of TI-307A, for maintenance of radar restorations 2F COG equipment on active Fleet ships, tasking includes production control to restore radar	1.0	LO	██████████	██████████	\$5,847.00

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 32 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
		equipment for the 2F COG radar restoration program. (O&MN,R)					
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401BM	R425	Funding in support of TI-3008, for maintenance of radar restorations program 2F COG equipment on active Fleet ships, includes engineering , technical and administrative service to restore radar equipment. (O&MN,N)	1.0	LO			\$37,115.90
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401BN	R425	Funding in support of TI-3018, for quality and configuration management as required for AN/SPS-48 radar program obsolescence management. (O&MN,N)	1.0	LO			\$7,759.46
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 33 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
	Government Underrun Share Line		70.0%				
4401BP	R425	Funding in support of TI-3008, for maintenance of radar restorations program 2F COG equipment on active Fleet ships, includes engineering, technical and administrative service to restore radar equipment. (O&MN,N)	1.0	LO	██████████	██████████	\$2,884.10
	Max Fee		██████████				
	Min Fee		██████████				
	Government Overrun Share Line		70.0%				
	Government Underrun Share Line		70.0%				
4401BQ	R425	Funding in support of TI-3021, for technical graphics presentation and reports for AN/SPS-48 radar program obsolescence management. (O&MN,N)	1.0	LO	██████████	██████████	\$6,790.00
	Max Fee		██████████				
	Min Fee		██████████				
	Government Overrun Share Line		70.0%				
	Government Underrun Share Line		70.0%				
4401BR	R425	Funding in support of TI-3021, for technical graphics presentations, drawings and reports to support 2F COG radar restoration program equipment. (O&MN,N)	1.0	LO	██████████	██████████	\$17,459.00

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401BS	R425	Funding in support of TI-3018, for quality and configuration management to support AEGIS microwave tube program. (SCN)	1.0	LO			\$20,368.57
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401BT	R425	Funding in support of TI-3020, for production control services to support the procurement of AEGIS microwave tubes for DDG 119. (SCN)	1.0	LO			\$14,558.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401BU	R425	Funding in support of TI-3020, for production control services required to perform AEGIS verification testing of microwave tubes for the AEGIS program. (WCF)	1.0	LO			\$50,000.00

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401BV	R425	Funding in support of TI-308A, to support Dual Band Radar Program, (OPN)	1.0	LO			\$26,050.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401BW	R425	Funding in support of TI-3004, for engineering services to design, develop and demonstrate United States Marine Corps radar workload in support of transmitter refresh for the AN/TPS-59(V)3 program. (PMC)	1.0	LO			\$400,000.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401BX	R425	Funding in support of TI-3004, for engineering services to design, develop and demonstrate United States Marine Corps radar	1.0	LO			\$350,000.00

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 36 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
		workload in support of transmitter refresh for the AN/TPS-59A(V)3 program. (PMC)					
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401BY	R425	Funding in support of TI-308A, for support of the AMDR program. (RDT&E)	1.0	LO			\$5,000.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401BZ	R425	Funding in support of TI-308A, for support of SEWIP Block 3 program. (RDT&E)	1.0	LO			\$5,000.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401CA	R425	Funding in support of TI-308A, for the support of the Dual Band Radar program. (O&MN,N)	1.0	LO			\$30,000.00
		Max Fee					
		Min Fee					

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 37 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
	Government Overrun Share Line		70.0%				
	Government Underrun Share Line		70.0%				
4401CB	R425	Funding in support of TI-3017, for strategic program analyst services associated with on-going and new workload development for the ALQ-184/ALM-233 program. (WCF)	1.0	LO	██████████	██████████	\$35,609.85
	Max Fee		██████████				
	Min Fee		██████████				
	Government Overrun Share Line		70.0%				
	Government Underrun Share Line		70.0%				
4401CC	R425	Funding in support of TI-3020, for production control support services as required for overhaul and repairs of the MK-82 director for the USS Paul Hamilton DDG-60 and support of the MK-82 rotatable pool. (O&MN,N)	1.0	LO	██████████	██████████	\$10,718.00
	Max Fee		██████████				
	Min Fee		██████████				
	Government Overrun Share Line		70.0%				
	Government Underrun Share Line		70.0%				
4401CD	R425	Funding in support of TI-3026, for program management support for the ADEPT program. (O&MN,N)	1.0	LO	██████████	██████████	\$25,029.92

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401CE	R425	Funding in support of TI-3018, for quality and configuration management to support process improvement and root cause analysis for maintenance of 2F COG radar equipment on active ships. (O&MN,N)	1.0	LO			\$68,000.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401CF	R425	Funding in support of TI-308A, for support of the Dual Band Radar program. (O&MN,N)	1.0	LO			\$186,000.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401CG	R425	Funding in support of TI-308A, for the support of Air and Missile Defense Radar program. (RDT&E)	1.0	LO			\$60,000.00
		Max Fee					

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 39 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401CH	R425	Funding in support of TI-3026, for program management support for the Radar Restoration Program. De-obligated \$4,392.74 on MOD 48, leaving a balance of \$70,607.26. De-obligated \$1,013.09 on MOD 50, leaving a balance of \$69,594.17. (O&MN,N)	1.0	LO			\$69,594.17
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401CJ	R425	Funding in support of TI-3008, for establishing the overhaul capability for the AN/SPQ-9B Above Deck Antenna Groups and LDP 17 class. (O&MN,N)	1.0	LO			\$100,000.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401CK	R425	Funding in support of TI-3001, for	1.0	LO			\$50,000.00

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
		establishing the overhaul capability for the AN/SPQ-9B Above Deck Antenna Groups and LDP 17 class AN/SPS-48(v) in-place Antenna restoration. (O&MN,N)					
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401CL	R425	Funding in support of TI-3010, for the AEGIS program in support of AEGIS microwave tube in-service engineering agent support. (O&MN,N)	1.0	LO			\$75,000.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401CM	R425	Funding in support of TI-3020, for production control support services as required to support AEGIS microwave tube (MWT) program. (O&MN,N)	1.0	LO			\$25,235.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 41 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
4401CN	R425	Funding in support of TI-3004, for engineering services to design, develop and demonstrate United States Marine Corps radar workload in support of the AN/TPS-59 program. Obligated at \$200,000, de-obligated \$16,976.96 on MOD 44 leaving a balance of \$183,023.04. (PMC)	1.0	LO	██████████	██████████	\$183,023.04
		Max Fee			██████████		
		Min Fee			██████████		
		Government Overrun Share Line					70.0%
		Government Underrun Share Line					70.0%
4401CP	R425	Funding in support of TI-3021, for technical graphics presentations, drawings and reports as required to support 2F COG radar equipment. De-obligated \$6,504.66 on MOD 48, leaving a balance of \$26,495.34. De-obligated \$2,509.95 on MOD 50, leaving a balance of \$23,985.39 (O&MN,N)	1.0	LO	██████████	██████████	\$23,985.39
		Max Fee			██████████		
		Min Fee			██████████		
		Government Overrun Share Line					70.0%
		Government Underrun Share Line					70.0%

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 42 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
4401CQ	R425	Funding in support of TI-3026, for program management support for NAVSUP WSS. De-obligated \$15,000 on MOD 48, leaving a balance of \$0. (WCF)	1.0	LO	\$0.00	\$0.00	\$0.00
		Max Fee				\$0.00	
		Min Fee				\$0.00	
		Government Overrun Share Line				70.0%	
		Government Underrun Share Line				70.0%	
4401CR	R425	Funding in support of TI-3008, for the AN/SPS-49 Motor Generator redesign and prototype for the AN/SPS-49 program. (RDT&E)	1.0	LO	██████████	██████████	\$14,000.00
		Max Fee			██████████		
		Min Fee			██████████		
		Government Overrun Share Line				70.0%	
		Government Underrun Share Line				70.0%	
4401CS	R425	Funding in support of TI-3020, for production control support required to support FY15 repairs of the DDG-51 USS Arleigh Burke MK-82 system components and subcomponents. (O&MN,N)	1.0	LO	██████████	██████████	\$1,500.00
		Max Fee			██████████		
		Min Fee			██████████		
		Government Overrun Share Line				70.0%	
		Government Underrun Share Line				70.0%	

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 43 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
4401CT	R425	Funding in support of TI-3008, for acquisition support during development of Radio Frequency systems in support of Radar Program. (OPN)	1.0	LO	██████████	██████████	\$33,458.00
	Max Fee		██████████				
	Min Fee		██████████				
	Government Overrun Share Line		70.0%				
	Government Underrun Share Line		70.0%				
4401CU	R425	Funding in support of TI-3008, for engineering support during development of radius frequencies systems in support of Radar Program. (O&MN,N)	1.0	LO	██████████	██████████	\$40,000.00
	Max Fee		██████████				
	Min Fee		██████████				
	Government Overrun Share Line		70.0%				
	Government Underrun Share Line		70.0%				
4401CV	R425	funding in support of TI-3001, for mechanical engineering support of 2F COG Radar. (O&MN,N)	1.0	LO	██████████	██████████	\$9,000.00
	Max Fee		██████████				
	Min Fee		██████████				
	Government Overrun Share Line		70.0%				
	Government Underrun Share Line		70.0%				

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 44 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
4401CW	R425	Funding in support of TI-307A, for production control support for 2F COG Radar equipment. Obligated at \$14,000.00 De-obligated \$157.30 on MOD 48, leaving a balance of \$13,842.70. (O&MN,N)	1.0	LO	██████████	██████████	\$14,000.00
		Max Fee			██████████		
		Min Fee			██████████		
		Government Overrun Share Line				70.0%	
		Government Underrun Share Line				70.0%	
4401CX	R425	Funding in support of TI-3008, for support of MK-82 USS MITSCHER DDG-57. (O&MN,N)	1.0	LO	██████████	██████████	\$20,000.00
		Max Fee			██████████		
		Min Fee			██████████		
		Government Overrun Share Line				70.0%	
		Government Underrun Share Line				70.0%	
4401CY	R425	Funding in support of TI-3020, for production control support of the AN/SPS-67 radar system program. (OPN)	1.0	LO	██████████	██████████	\$1,803.00
		Max Fee			██████████		
		Min Fee			██████████		
		Government Overrun Share Line				70.0%	
		Government Underrun Share Line				70.0%	

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 45 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
4401CZ	R425	Funding in support of TI-3024, for engineering and production support of the LPD17 class AN/SPS-48 antenna system. (O&MN,N)	1.0	LO	██████████	██████████	\$54,126.38
		Max Fee	██████████				
		Min Fee	██████████				
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401DA	R425	Funding in support of TI-3008, for acquisition logistics support during development of radius frequencies systems in support of radar program for AN/SPS-48. (SCN)	1.0	LO	██████████	██████████	\$8,343.01
		Max Fee	██████████				
		Min Fee	██████████				
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401DB	R425	Funding in support of TI-3008, for acquisition logistics support during development of radius frequencies systems in support of AN/SPS-67. Obligated at \$27,000.00 De-obligated \$18,223.84 on MOD 48, leaving a balance of \$8,776.16. (O&MN,N)	1.0	LO	██████████	██████████	\$8,776.16
		Max Fee	██████████				

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 46 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401DC	R425	Funding in support of TI-3004, for engineering services to design, develop and demonstrate United States Marine Corps radar workload in support of the AN/TPS-59 and AN/TPS-63 programs. Obligated at \$125,000, de-obligated \$125,000 on MOD 44 leaving a balance of \$ 0. (PMC)	1.0	LO	\$0.00	\$0.00	\$0.00
		Max Fee	\$0.00				
		Min Fee	\$0.00				
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401DD	R425	Funding in support of TI-3010, for AEGIS MST DDG121 engineering support of the Aegis MWT. (SCN)	1.0	LO			\$33,000.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401DE	R425	Funding in support of TI-3018, for quality and	1.0	LO			\$6,978.90

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 47 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
		configuration management as required to support acquisition engineering and engineering oversight of AEGIS microwave tubes (MWT) for DDG 119. Obligated at \$13,500.00 De-obligated \$6,521.10 on MOD 48, leaving a balance of \$6,978.90. (SCN)					
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401DF	R425	Funding in support of TI-3001, for mechanical engineering support of 2F COG radar. (O&MN,R)	1.0	LO			\$6,000.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401DG	R425	Funding in support of TI-3008, for engineering support during development of radius frequencies systems in support of radar program. De-obligated \$5,000 on MOD 48, leaving a balance of \$0. (O&MN,N)	1.0	LO	\$0.00	\$0.00	\$0.00
		Max Fee	\$0.00				

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 48 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
		Min Fee	\$0.00				
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				
4401DH	R425	Funding in support of TI-3020, for production control services in support of AEGIS microwave tubes (MWT) for DDG 119. (SCN)	1.0	LO	██████████	██████████	\$5,000.00
		Max Fee	██████████				
		Min Fee	██████████				
		Government Overrun Share Line	70.0%				
		Government Underrun Share Line	70.0%				

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
4500	R425	Technical, programmatic, configuration, and manufacturing support. Option Year 2 - Surge Labor. (See Notes B and C) (Fund Type - TBD)	██████████	█	██████████	██████████	\$511,664.00
		Option					
4999		Data for Labor CLINs 4000, 4100, 4200, 4300, 4400, 4500: In accordance with (IAW) CDRLs A001 - A026, the Government shall have unlimited data rights to DRAFT all data generated IAW DFARS 252.227-7013 unless an assertion is provided and accepted by the Government with the offer IAW DFARS 252.227-7017. All data generated under this procurement has been paid for, in full, by the Government.					\$0.00

For ODC Items:

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
------	-----	-------------------	-----	------	-----------

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 49 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
6000	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - ODC. (See Note D) (Fund Type - TBD)	1.0	LO	\$881,187.00
600001	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - ODC. (See Note D) In support of TI-001. De-obligated \$2,522.54 on MOD 49, leaving a balance of \$931.46. (O&MN,N)			
600002	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - ODC. (See Note D) In support of TI-001. De-obligated \$3,060.19 on MOD 49, leaving a balance of \$153.81. (O&MN,N)			
600003	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - ODC. (See Note D) In support of TI-010 (OPN)			
600004	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - ODC. (See Note D) In support of TI-010 De-obligated \$25,543.03 on MOD 48, leaving a balance of \$4,456.97. De-obligated \$22.43 on MOD 50, leaving a balance of \$4,434.54 (RDT&E)			
600005	R425	Funding not approved (OPN)			
600006	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - ODC. (See Note D) In support of TI-011 Deobligated \$34,507.00 on MOD 14, leaving a balance of \$0.00. (RDT&E)			
600007	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - ODC. (See Note D) In support of TI-02 ACRN B6, ODC \$10,000.00 De-obligated \$8,003.46 on MOD 48 leaving a balance of \$1,996.54. De-obligated \$4.32 on MOD 50, leaving a balance of \$1,992.22. (PMC)			
600008	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - ODC. (See Note D) In support of TI-04 ACRN B6, ODC \$10,000.00 De-obligated \$8,192.35 on MOD 48, leaving a balance of \$1,807.65. De-obligated \$3.92 on MOD 50, leaving a balance of \$1,803.73. (PMC)			
600009	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - ODC. (See Note D) In support of TI-10 ACRN C4 \$10,715.00 De-obligated \$10,715 on MOD 48, leaving a balance of \$0. (OPN)			
600010	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - ODC. (See Note D) In support of TI-11 ACRN B9 ODC \$10,491. Deobligated \$10,491.00 on MOD 14, leaving a balance of \$0.00. (OPN)			
600011	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - ODC. In support of TI-004 ACRN C1 ODC \$10,000. FUNDS LIMITED TO AN/TPS-63 REFRESH ONLY. De-obligated \$10,000.00 on MOD 48, leaving a balance of \$0. (PMC)			
600012	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - ODC. \$14,370 In support of TI-004 (ACRN C) Deobligated \$14,370.00 on MOD 14, leaving a balance of \$0.00. (RDT&E)			

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 50 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
6100	R425	Technical, programmatic, configuration, and manufacturing support. Base Year 1 - Surge ODC. (See Notes B, C, and D) (Fund Type - TBD) Option	1.0	LO	\$88,119.00
6200	R425	Technical, programmatic, configuration, and manufacturing support. Option Year 1 - ODC. (See Notes B and D) (Fund Type - TBD)	1.0	LO	\$180,977.00
620001	R425	Technical, programmatic, configuration, and manufacturing support. Option Year 1 - ODC in support of TI-004 ACRN C6, ODC \$10,000.00 NOTE: PERFORMANCE MAY NOT BEGIN UNTIL 24 SEPTEMBER 2013 (RDT&E)			
620002	R425	Technical, programmatic, configuration, and manufacturing support. Option Year 1 - ODC in support of TI-010 in the amount of ACRN D5 (RDT&E)			
620003	R425	Technical, programmatic, configuration, and manufacturing support. Option Year 1 - ODC in support of TI-011 in the amount of ACRN D8 Obligate \$2,000, de-obligated \$1,952.15 on MOD 23 leaving a balance of \$47.85. De-obligated \$.12 on MOD 50, leaving a balance of \$47.73. (RDT&E)			
620004	R425	Technical, programmatic, configuration, and manufacturing support. Option Year 1 - ODC in support of TI-011 in the amount of ACRN D9 Obligated \$10,491, de-obligated \$10,491 on MOD 23 leaving a balance of \$ 0. (OPN)			
620005	R425	Funding in support of TI-008, (NAVSEA/2F COG). Obligated at \$5,000.00 De-obligated \$4,401.60 on MOD 48, leaving a balance of \$598.40. De-obligated \$.60 on MOD 50, leaving a balance of \$597.80. (O&MN,N)			
620006	R425	Funding in support of TI-011, (SPY-1 Microwave Tube/10 kW TWT engineering support). Obligated \$5,000, de-obligated \$5,000 on MOD 23 leaving a balance of \$ 0. (RDT&E)			
620007	R425	Funding in support of TI-004, (engineering efforts to design, development and demonstration of MCSC/AN/TPS-59A(V)3, AN/TPS-63B, ANTPQ-46, AN/TPS-70). (RDT&E)			
620008	R425	Funding in support of TI-010, (SPY-1 Microwave Tube/10 kW TWT engineering support). Obligated \$25,000, de-obligated \$13,364.72 on MOD 23 leaving a balance of \$11,635.28. De-obligated \$534.78 on MOD 48, leaving a balance of \$11,100.50. (RDT&E)			
620009	R425	Funding in support of TI-001,for engineering support in support of 2F COG readar efforts. De-obligated \$646.40 on MOD 50, leaving a balance of \$1,353.60. (O&MN,N)			
620010	R425	Funding in support of TI-001, for radar restoration engineering support. De-obligated \$5,000 on MOD 50, leaving a balance of \$0. (O&MN,N)			
620011	R425	Funding in support of TI-008, for radar restoration engineering support. Obligated at \$10,000 De-obligated \$10,000 on MOD 48, leaving a balance of \$0. (O&MN,N)			
6201	R425	Technical, programmatic, configuration, and manufacturing support. Option Year 1 - ODC. (See Notes B and D) (Fund Type - TBD)	1.0	LO	\$682,450.00

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 51 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
6202		Technical, programmatic, configuration, and manufacturing support. Option Year 1 - ODC. (See Notes B and D)			\$17,550.00
6202AA	R425	Funding in support of TI-015, for support of AEGIS microwave tube program for engineering, testing, technical documentation and operational support. Obligated at \$500.00 De-obligated \$500 on MOD 48, leaving a balance of \$0. (O&MN,N)	1.0	LO	\$0.00
6202AB	R425	Funding in support of TI-007, for briefing/presentation /report development in support of the Air & Missile Defense Radar (AMDR) development for the AEGIS program. (RDT&E)	1.0	LO	\$17,550.00
6300	R425	Technical, programmatic, configuration, and manufacturing support. Option Year 1 - Surge ODC. (See Notes B, C, and D) (Fund Type - TBD) Option	1.0	LO	\$88,098.00
6400	R425	Technical, programmatic, configuration, and manufacturing support. Option Year 2 - ODC. (See Notes B and D) (Fund Type - TBD)	1.0	LO	\$647,287.68
6401		Technical, programmatic, configuration, and manufacturing support. Option Year 2 - ODC. (See Notes B and D)			\$233,689.32
6401AA	R425	Funding in support of TI-3004, for engineering services to design, develop and demonstrate United States Marine Corps radar workload in support of transmitter refresh for the AN/TPS-63B program. (PMC)	1.0	LO	\$25,000.00
6401AB	R425	Funding in support of TI-3010, for Aegis Ashore microwave tube engineering support. (Fund Type - OTHER)	1.0	LO	\$5,000.00
6401AC	R425	Funding in support of TI-3011, for Agis ashore microwave tube test equipment and software engineering support. Obligated at \$5,000.00 De-obligated \$3,392.32 on MOD 48, leaving a balance of \$1,607.68. (Fund Type - OTHER)	1.0	LO	\$1,607.68
6401AD	R425	10 USC 2410(a) Authority is hereby invoked. Funding in support of TI-3001, for engineering support and logistics maintenance planning for Depot maintenance, shipboard repair, equipment installation and removal in support of 2F COG radar equipment on ships. Obligated at \$5,000.00 De-obligated \$1,436.63 on MOD 48, leaving a balance of \$3,563.37. De-obligated \$20.02 on MOD 50, leaving a balance of \$3,548.88. (O&MN,N)	1.0	LO	\$3,548.88
6401AE	R425	10 USC 2410(a) Authority is hereby invoked. Funding in support of TI-3008, for supoprt of the Radar program for 2F COG radar and AN/SPS-48,AN/SPS-49, AN/SPS-67(V)3 and AN/SPS-55 radar efforts. (O&MN,N)	1.0	LO	\$20,000.00
6401AF	R425	Funding in support of TI-308A, for engineering and logistics support of Dual Band Radar with includes design, development, verification and validation testing of Radio Frequency sensor systems, subsystems and assemblies. (OPN)	1.0	LO	\$2,104.00
6401AG	R425	Funding in support of TI-3015, for engineering and engineering oversight of AEGIS microwave tubes for DDG 119 supporting the AEGIS program. De-obligated \$2,000 on MOD 48, leaving a balance of \$0. (SCN)	1.0	LO	\$0.00

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 52 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
6401AH	R425	10 USC 2410(a) Authority is hereby invoked. Funding in support of TI-308A for a temporary test bed for transmit and receive Over-the-horizon-radar (OTHR) components for radio frequency environmental studies. (RDT&E)	1.0	LO	\$11,000.00
6401AJ	R425	Funding in support of TI-3008, for maintenance and equipment repair for the radar restoration program in support of 2F COG radar equipment. Equipment is provided to ships to meet age related or Casualty Report (CASREP) requirements. De-obligated \$6,970.81 on MOD 48, leaving a balance of \$3,029.19. (O&MN,N)	1.0	LO	\$3,032.61
6401AK	R425	Funding in support of TI-308A, for support of the Dual Band Radar program. (RDT&E)	1.0	LO	\$38,000.00
6401AL	R425	Funding in support of TI-308A, to support Dual Band Radar Program. (OPN)	1.0	LO	\$5,342.00
6401AM	R425	Funding in support of TI-3004, for engineering services to design, develop and demonstrate United States Marine Corps radar workload in support of transmitter refresh for the AN/TPS-59(V)3 program. (PMC)	1.0	LO	\$25,000.00
6401AN	R425	Funding in support of TI-3004, for engineering services to design, develop and demonstrate United States Marine Corps radar workload in support of transmitter refresh for the AN/TPS-59A(V)3 program. (PMC)	1.0	LO	\$25,000.00
6401AP	R425	Funding in support of TI-3010, for the AEGIS program in support of AEGIS Microwave Tube (MWT) engineering support. Obligated at \$7,000, de-obligated \$3,152.26 on MOD 45 leaving a balance of \$3,847.74. (O&MN,N)	1.0	LO	\$3,847.74
6401AQ	R425	Funding in support of TI-308A, for the support of Air and Missile Defense Radar program. Obligated at \$15,000.00, de-obligated \$9,329.18 on MOD 46 leaving a balance of \$5,670.82. (RDT&E)	1.0	LO	\$5,670.82
6401AR	R425	Funding in support of TI-3010, for the AEGIS program in support of AEGIS microwave tube in-service engineering agent support. Obligated at \$6,000, de-obligated by \$6,000 on MOD 45 leaving a balance of \$ 0. (O&MN,N)	1.0	LO	\$0.00
6401AS	R425	Funding in support of TI-3004, for engineering services to design, develop and demonstrate United States Marine Corps radar workload in support of the AN/TPS-59 program. Obligated at \$25,000.00 De-obligated \$5,430.10 on MOD 48, leaving a balance of \$19,569.90. (PMC)	1.0	LO	\$19,569.90
6401AT	R425	Funding in support of TI-3021, for materials for technical graphics presentations, drawings and reports as required to support 2F COG radar equipment. (O&MN,N)	1.0	LO	\$11,500.00
6401AU	R425	Funding in support of TI-3024, for engineering and production support of the LPD17 class AN/SPS-48 antenna system. Obligated at \$29,874.11 De-obligated \$1,408.42 on MOD 48, leaving a balance of \$28,465.69. (O&MN,N)	1.0	LO	\$28,465.69
6401AV	R425	Funding in support of TI-3004, for engineering services to design, develop and demonstrate United States Marine Corps radar workload in support of the AN/TPS-59 and AN/TPS-63 programs. Obligated at \$11,278.40, de-obligated by \$11,278.40 on MOD 48, leaving a balance of \$0. (PMC)	1.0	LO	\$0.00

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 53 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
6500	R425	Technical, programmatic, configuration, and manufacturing support. Option Year 2 - Surge ODC. (See Notes B, C, and D) (Fund Type - TBD) Option	1.0	LO	\$88,098.00

NOTE A: LEVEL OF EFFORT

For labor items, Offerors shall propose man-hours recommended in Section B to perform requirements of the Statement of Work (SOW) provided for the period of performance specified in Section F. The PAYMENT OF FEE(S) (LEVEL OF EFFORT) clause applies to these items. The Government estimate is [REDACTED] man-hours per year, with the mix recommended in Attachment 2 in Section J. The Government estimate is based on the total anticipated Level of Effort (LOE) for all tasks combined per CLIN.

NOTE B: OPTION

Option item to which the option clause in Section I applies and which is to be supplied only if and to the extent that said option is exercised.

NOTE C: SURGE

If the Government determines that an increased LOE, material, or travel is required, the Government reserves the right to exercise "surge" option CLINs for additional hours, material, or travel in accordance with the SOW. In the event that the Government does elect to exercise the surge option item, the appropriate ceiling and LOE, material dollars, or travel dollars may be re-aligned under labor or ODC CLINs for each task identified in the SOW. The Government estimate is [REDACTED] man-hours per year ([REDACTED]) for labor surge option items, \$50,000 per year for material surge option items (10% of yearly material), and \$36,240 per year for travel surge option items (10% of yearly travel). Offerors should propose surge options with the same labor mix and composite rate as the basic effort. All surge labor CLINs should be proposed as CPFF, and is not to exceed the prime Offeror's maximum fee percent in their SeaPort Enhanced (Seaport-e) Multiple Award Contract (MAC). All surge material and travel ODC CLINs are cost only.

NOTE D: OTHER DIRECT COSTS

The Government estimates total ODCs for this TO to be \$2,587,200. ODCs should be proposed as prescribed in Section L, paragraph 4.4.4.

Note:

Upon award, the successful Offeror's proposed Maximum Incentive Fee percentage, if less than the solicitation stated thresholds, will be incorporated in the below clause and in FAR clause 52.216-10 INCENTIVE FEE in Section I. Offeror shall fill in the below table wherever "\$TBD" is indicated.

The first incentive fee calculation will be at the end of the first year of the TO and annually thereafter.

The min fee shall be [REDACTED] Target fee shall be [REDACTED] Offerors can propose their own max fee.

(1) The final target cost, target fee amounts shall be based upon the actual level of effort the contractor provides as explained in the following paragraph.

OFFEROR TO FILL IN ALL TBD's BELOW

LABOR ITEMS	LABOR HOURS	TARGET COST	TARGET FEE
4000			
Rate/Hr	BLANK		
4200			
Rate/Hr	BLANK		
4400			
Rate/Hr	BLANK		

(i) The

final CPIF target cost for CLIN 4000 (if and to the extent Options are exercised) Option CLIN(s) 4200 and 4400 shall be determined by multiplying the allowable hours worked, including subcontractor hours, under the CLIN by the rate/hour in the target cost column including cost of money, in the preceding table.

(ii) The

final CPIF target fee for CLIN 4000 (if and to the extent Options are exercised) Option CLIN(s) 4200 and 4400 shall be determined by multiplying the allowable hours worked, including subcontractor hours, under the CLIN by the rate/hr in the target fee column of the preceding table.

(iii) The share ratio for the CPIF portion of the fee structure is 70/30 (70% Government and 30% Contractor) for both underruns and overruns. The fee earned under the CPIF portion of the fee structure will be based on the total allowable cost incurred by the contractor in comparison to the

final target cost for each of the aforementioned labor CLINs. See the Incentive Fee clause (FAR 52.216-10) in Section I of this TO for further information on how the target cost and target fee are determined and the fee earned is calculated.

HQ B-2-0004 EXPEDITING CONTRACT CLOSEOUT (NAVSEA) (DEC 1995)

(a) As part of the negotiated fixed price or total estimated amount of this contract, both the Government and the Contractor have agreed to waive any entitlement that otherwise might accrue to either party in any residual dollar amount of \$500 or less at the time of final contract closeout. The term "residual dollar amount" shall include all money that would otherwise be owed to either party at the end of the contract except that, amounts connected in any way with taxation, allegations of fraud and/or antitrust violations shall be excluded. For purposes of determining residual dollar amounts, offsets of money owed by one party against money that would otherwise be paid by that party may be considered to the extent permitted by law.

(b) This agreement to waive entitlement to residual dollar amounts has been considered by both parties. It is agreed that the administrative costs for either party associated with collecting such small dollar amounts could exceed the amount to be recovered.

HQ B-2-0007 LIMITATION OF COSTS OR LIMITATION OF FUNDS LANGUAGE

The clause entitled "LIMITATION OF COST" (FAR 52.232-20) or "LIMITATION OF FUNDS" (FAR 52.232-22), as appropriate, shall apply separately and independently to each separately identified estimated cost.

HQ B-2-0015 PAYMENTS OF FEE(S) (LEVEL OF EFFORT - ALTERNATE 1) (NAVSEA) (MAY 2010)

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 55 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

(a) For purposes of this contract, "fee" means "target fee" in cost-plus-incentive-fee type contracts, "base fee" in cost-plus-award-fee type contracts, or "fixed fee" in cost-plus-fixed-fee type contracts for level of effort type contracts.

(b) The Government shall make payments to the Contractor, subject to and in accordance with the clause in this contract entitled "FIXED FEE" (FAR 52.216-8) or "INCENTIVE FEE", (FAR 52.216-10), as applicable. Such payments shall be submitted by and payable to the Contractor pursuant to the clause of this contract entitled "ALLOWABLE COST AND PAYMENT" (FAR 52.216-7), subject to the withholding terms and conditions of the "FIXED FEE" or "INCENTIVE FEE" clause, as applicable, and shall be paid fee at the hourly rate(s) specified above per man-hour performed and invoiced. Total fee(s) paid to the Contractor shall not exceed the fee amount(s) set forth in this contract. In no event shall the Government be required to pay the Contractor any amount in excess of the funds obligated under this contract.

HQ B-2-0020 TRAVEL COSTS - ALTERNATE I (NAVSEA) (DEC 2005)

(a) Except as otherwise provided herein, the Contractor shall be reimbursed for its reasonable actual travel costs in accordance with FAR 31.205-46. The costs to be reimbursed shall be those costs accepted by the cognizant DCAA.

(b) Reimbursable travel costs include only that travel performed from the Contractor's facility to the worksite, in and around the worksite, and from the worksite to the Contractor's facility.

(c) Relocation costs and travel costs incident to relocation are allowable to the extent provided in FAR 31.205-35; however, Contracting Officer approval shall be required prior to incurring relocation expenses and travel costs incident to relocation.

(d) The Contractor shall not be reimbursed for the following daily local travel costs:

(i) travel at U.S. Military Installations where Government transportation is available,

(ii) travel performed for personal convenience/errands, including commuting to and from work, and

(iii) travel costs incurred in the replacement of personnel when such replacement is accomplished for the Contractor's or employee's convenience.

HQ B-2-0021 CONTRACT SUMMARY FOR PAYMENT OFFICE (COST TYPE) (FEB 1997)

This entire contract is cost type.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 56 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

SECTION C DESCRIPTIONS AND SPECIFICATIONS

STATEMENT OF WORK

1.0 SCOPE

This Statement of Work (SOW) describes the engineering associated technical, programmatic, configuration, and manufacturing support required by the Naval Surface Warfare Center (NSWC) Crane, Radar Technologies Division (Code GXR). Support may be required at ship platform level including combat systems, hull mechanical and electrical systems, and communication systems, including Radio Frequency (RF) and Microwave (MW) components, radar and antennas systems, and associated components in support of Electronic Warfare (EW), Fire Control, Radar and Communication systems.

The contractor performing this SOW shall provide engineering support to radar, communication, and electronic systems within Code GXR. Engineering services include analysis, design, modeling and simulation, data management, technical documentation, process engineering, and other engineering-related tasks responding to the evolving needs of NSWC Crane and the warfighter. Engineering services will be associated with obsolescence and maintenance engineering, finding solutions to support aging electronic systems. Engineering services will be associated with developing the Next Generation Electronic Warfare systems, including solid state radars, advance electronic detection, and warfare systems for Navy, Air Force, Marine Corps, and Army customers. Work may be performed in Code GXR facilities and/or field offices located at various Warfare Centers, as specified in each Technical Instruction (TI).

1.1 Background

NSWC Crane provides engineering solutions for the development, testing and maintenance of radar and EW systems, including associated subsystems and interface equipment. These solutions cover a wide variety of RF and MW component types; MW tubes, antennas, high voltage power supplies, Transmit Receive (TR) Modules, Transmit/Receive Integrated Microwave Module (TRIMM) assemblies, and other components.

NSWC Crane provides acquisition support, product development, program management, test & evaluation services, sustainment engineering, reliability monitoring, and corrective action services.

1.2 Objectives

Engineering support services provided under the SeaPort-e Task Order (TO), as defined in TIs, will support NSWC Crane's mission to supply NAVSEA and the wider Department of Defense (DoD) with operable technologies and equipment to deter, defend, and defeat threats. Code GXR supports the design, development, test and evaluation, prototyping, manufacturing, and sustainment of radar systems, TR Modules, TRIMM assemblies, and associated subsystems and components. The contractor shall be capable of supporting the engineering oriented tasks associated with these efforts. As the technologies and systems change over the lifecycle of the TO, the contractor may have to adjust skillsets and abilities to respond to evolving technical needs.

Work to be performed and data deliverables shall be specifically described in TI modifications to be placed against the TO by the Contracting Officer's Representative (COR) or Contracting Officer (KO). TIs shall be within the parameters of one or more of the general tasks listed below.

- a. Engineering Analysis and Support
- b. Field Engineering and Product Support
- c. Maintenance Support Functions
- d. Testing and System Performance
- e. Management Support with regard to Engineering Related Issues

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 57 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

- f. Emerging New Developments/Technologies
- g. Engineering Drawings
- h. Quality Assurance including Reliability and Failure Analyses
- i. Technical Procurement Assistance

1.3 Applicable Contract Paragraphs

This TO applies to the following SOW paragraphs of the basic SeaPort Enhanced (SeaPort-e) Multiple Award Contract (MAC) unless indicated by N/A:

<u>Basic SOW</u>	<u>Paragraph Task Requirements</u>
3.1	Research and Development Support
3.2	Engineering, System Engineering, and Process Engineering Support
3.3	Modeling, Simulation, Stimulation, and Analysis Support
3.4	Prototyping, Pre-Production, Model-Making, and Fabrication Support
3.5	System Design Documentation and Technical Data Support
3.6	Software Engineering, Development, Programming, and Network Support
3.7	Reliability, Maintainability, and Availability (RM&A) Support
3.8	Human Factors Engineering Support
3.9	System Safety Engineering Support---N/A
3.10	Configuration Management (CM) Support
3.11	Quality Assurance (QA) Support
3.12	Information System (IS) Development, Information Assurance (IA), and Information Technology (IT) Support—N/A
3.13	Ship Inactivation and Disposal Support—N/A
3.14	Interoperability, Test and Evaluation, Trials Support
3.15	Measurement Facilities, Range, and Instrumentation Support
3.16	Acquisition Logistics Support
3.17	Supply and Provisioning Support—N/A
3.18	Training Support
3.19	In-Service Engineering, Fleet Introduction, Installation and Checkout Support
3.20	Program Support
3.21	Functional and Administrative Support
3.22	Public Affairs and Multimedia Support—N/A

2.0 APPLICABLE DOCUMENTS

The following documents of the exact date and/or issue specified form a part of this SOW to the extent specified herein. In the event of conflict between the applicable documents and this SOW, the SOW shall take precedence. All second tier and below references cited in mandatory compliance documents shall be considered as guidance only. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

2.1 Military Specifications and Standards

MIL-STD-130N	Department of Defense Standard Practice Identification Marking of U.S. Military Property
MIL-STD-1311C	Test Methods for Electron Tubes
MIL-STD-973	Configuration Management

2.1.1 Military Handbooks (Reference Materials to assist in performance, not required documents)

MIL-HDBK-1221	Evaluation of Commercial Off-The-Shelf Manuals
---------------	------------------------------------------------

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 58 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

MIL-HDBK-2097A	Acquisition of Support Equipment and Associated Integrated Logistics
MIL HDBK-259	Life Cycle Costs in Navy Acquisitions
MIL-HDBK-245D	Preparation of Statements of Work
MIL HDBK-237D	Electromagnetic Environmental Effects and Spectrum Supportability Guidance for the Acquisition Process
MIL-HDBK-235	Electromagnetic (Radiated) Environmental Considerations
MIL-HDBK-217F	Reliability Prediction of Electronic Equipment
MIL HDBK-472	Maintainability Prediction
MIL-HDBK-454B	General Guidelines for Electronic Equipment
MIL-HDBK-61A	Configuration Management Guidance
MIL-HDBK-682	Tolerance, Dimensioning, and Gauging Techniques for the Design of Inspection Equipment
MIL-HDBK-781A	Reliability Test Methods, Plans, and Environments for Engineering, Development Qualification, and Production, Handbook for
MIL PRF-33216	Evaluation of Commercial Off-The-Shelf Manuals
MIL-DTL-24784/22	Technical Content Development Requirements for Combat Systems Technical Manuals Hull, Mechanical, and Electrical Systems and Equipment Manuals

2.1.2 Department of Defense Instructions, Directives and Manuals (General policies which may affect performance, but are not part of the SOW)

DODI 2200.01	Combating Trafficking in Persons
DODI 4650.01	Policy and Procedures for the Management and Use of Electromagnetic Spectrum
DODI 4715.4	Pollution Prevention
DODI 4715.6	Environmental Compliance
DOD 5000.02	Operation of the Defense Acquisition System
DODI 5000.64	Accountability and Management of DOD Owned Equipment and Other Accountable Property
DODI 5000.67	Prevention and Mitigation of Corrosion on DOD Military Equipment and Infrastructure
DODI 5010.43	Lean Six Sigma Program
DODI 6055.07	Accident Investigation, Reporting, and Recordkeeping
DODI 6055.11	Protecting Personnel from Electromagnetic Fields
DODI 6055.15	DOD Laser Protection Program
DODD 4205.01	DOD Small Business Program
DODD 4400.01	Defense Production Act Programs
DODD 4275.5	Acquisition and Management of Industrial Resources
DODD 5010.42	Lean Six Sigma
DODD 5220.6	Defense Industrial Personnel Security Clearance Review Program
DOD 3235.1-H	Test and Evaluation of System Reliability, Availability and Maintainability-A Primer
DOD 4205.1-G	Guide to the Defense Acquisition Regulation for Small Business
DOD 4245.7-M	Transition from Development to Production
DOD 4245.8-H	Value Engineering
DOD 5012.31-H	Training Guide for the Management Analyst and Industrial Engineering Technician
DOD 5200.2-R	Personnel Security Program

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 59 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

DOD 5220.22-R	Industry Security Regulation
---------------	------------------------------

2.2 Other Reference Documents

ASME Y14.100	Engineering Drawing Practices
ASME Y14.5M-94	Dimensioning & Tolerancing
ISO 10007	Quality Management – Guidelines for Configuration Management
GEIA-STD-0007	Logistics Product Data (Published 2007)
ICAPS Handbook	Interactive Computer Aided Provisioning System
IEEE 730	Standard for Software Quality Assurance Plans- IEEE Computer Society Document
ISO 9001:2000	Quality Management Systems Requirements
IEEE/EIA 12207.0	Software Life Cycle Processes
IEEE/EIA 12207.1	Software Life Cycle Processes – Life Cycle Data
IEEE/EIA 12207.2	Software Life Cycle Processes – Implementation Considerations
Software Accreditation Guides	https://intranet.crane.navy.mil/it/security/default
DITSCAP Certification Guides	https://intranet.crane.navy.mil/it/security/default
NSWC Security Architecture	https://intranet.crane.navy.mil/nmci/default
NMCI S&T Deployment Information Package	https://intranet.crane.navy.mil/nmci/default
NMCI Contract Documents	https://intranet.crane.navy.mil/nmci/default
NMCI Shared Space Guides	https://intranet.crane.navy.mil/nmci/default
NSWC Web Policy	https://intranet.crane.navy.mil/CraneWebSites/default
DoD IT Standards Registry (DISR)	http://disronline.disa.mil/VJTA/index.jsp
NSWCCRANEINST 11240.1	NSWC Crane Site Traffic Instruction
NSWC 5510.1	Information, Personnel and Industrial Security Manual

3.0 REQUIREMENTS

Work and required data deliverables shall be specifically described in TIs placed against the TO by the COR or KO. Contractor shall furnish labor, facilities, material, travel, and equipment necessary for the task. The Government may, as necessary, provide material, facilities, and equipment as Government Furnished Information (GFI), Government Furnished Material (GFM), Government Furnished Facilities (GFF), and Government Furnished Equipment (GFE); which will be specified in each TI. Contractor shall have plans and procedures in place to manage GFM In Accordance With (IAW) applicable laws and regulations.

Contractor shall provide engineering, technical, and administrative support in a variety of areas including continuous improvement, quality assurance, technical support missions for RF/MW components, thermal management, manufacturability, reliability, radar and antenna systems, and components. The engineering services provided by the contractor shall include coverage in such technical areas as ship platform level including combat systems, hull mechanical and electrical systems, and communication systems, as well as system level engineering for EW, Fire Control, Radar, and Communication systems. Contractor shall provide support to maintain Fleet readiness, mission rehearsal, and special missions.

In performance of these tasks, the contractor shall have capabilities and experience to collect, analyze, assess, review, recommend, evaluate, design, develop, inspect, validate, verify, and deliver data, systems, prototypes or other deliverables as required by TI. Contractor shall prototype, install, test, and monitor components, equipment, and systems for modifications and for installations. Contractor shall assess problems, perform testing, analyze, reverse engineer, provide corrective actions, support corrective actions, sustain and monitor problem resolution.

3.1 Research and Development (R&D) Support

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 60 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Contractor shall provide R&D Engineering support consisting of development, design, bread-board model development, initiation and completion of original designs, modification of existing designs, and validation testing or design of systems to perform validation testing. Contractor shall prepare and provide technical data, analytical reports, technical presentations, configuration product baselines, and establish maintenance systems associated with new technologies being developed.

3.2 Engineering, System Engineering, and Process Engineering Support

3.2.1 Engineering Support

The contractor shall provide engineering/technical support to GXR's mission consisting of development, design, reverse engineering, obsolescence engineering and modifying RF/MW components and associated systems. The contractor shall be capable of design validation, including testing and design of testing methodologies and equipment. Contractor shall prepare engineering/technical documentation IAW applicable rules, regulations, specifications, and industry standards associated with tasking including system, testing, engineering change processes, waiver and deviation analysis, safety, product assurance, and configuration management.

3.2.2 Field Engineering

The contractor shall provide engineering and technical support to GXR's mission supporting field based engineering tasks to maintain, enhance or trouble-shoot, and repair deployed equipment IAW applicable specifications, design, and engineering practices. Field Engineering consists of engineering tasks occurring on deployed or field based systems. Such efforts will likely require additional equipment and supplies to successfully engineer solutions in a field environment.

3.2.3 Product Engineering

The contractor shall provide engineering support to GXR's production/depot capabilities including maintenance concepts, process engineering, test engineering, prototyping, production line design, and improvement. Product engineering involves the engineering associated with developing, maintaining or improving a production process or production line. It may also include improvements to a particular product or output for any portion of a production process.

3.2.4 Engineering Documentation

The contractor shall prepare and/or modify engineering drawings and supporting documents associated with systems under GXR's mission or as connected with systems ancillary to those systems IAW applicable rules and regulations, including but not limited to, American Society of Mechanical Engineers (ASME) standards and generally accepted engineering principles. Contractor shall be proficient in Computer-Aided Drafting (CAD) systems (NSWC Crane Standard AutoDesk Inventor Pro Version 2010/2011 using IGES Draw for 3D Models) and Engineering Documentation Management Information and Control systems.

3.2.5 Technical Reviews

The contractor shall provide engineering support to technical reviews, program schedule analyses, and evaluate any products or services under consideration and provide evidence that the products are complete, comply with standards and specifications, and development is being conducted according to plans, schedules, standards, and guidelines of the project.

3.3 Modeling, Simulation, Stimulation, and Analysis Support

3.3.1 Risk Management

The contractor shall perform engineering analysis associated with risk planning, mitigation, analysis, and identification. Contractor shall perform investigations into failure modes, latent design deficiencies, reliability studies, and develop recommendations for product improvement, risk mitigation, and error proofing.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 61 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

3.3.2 Modeling

The contractor shall be capable of performing thermal, mechanical, electrical, RF, MW and millimeter wave modeling. Contractor shall be proficient in modeling and simulation software such as MATLAB, Mathcad, AWR Microsoft Office, Agilent ADS, ANSOFT High Frequency Structure Simulator (HFSS), and PEKO.

3.4 Prototyping, Pre-Production, Model-Making, and Fabrication Support

3.4.1 Fabrication Engineering

The contractor shall perform prototype development, testing, verification of design, develop plans to transition prototypes to production, provide necessary fabrication support, including process documentation, safety and environmental documentation, cost analyses, and process improvement projects. Fabrication engineering is the development pre-production, of components or processes which may later become production processes.

3.4.2 Fabrication Support

The contractor shall provide engineering support fabrication efforts at NSWC Crane, potentially working with other contractors, but not providing direction, management, or interference with other contractor's tasks except as required IAW Health and Safety, Environmental or Engineering liability applicable rules and regulations. Fabrication support consists of engineering efforts associated with maintaining existing production lines, troubleshooting production problems or reconfiguration of existing fabrication processes for efficiency or troubleshooting.

3.5 System Design Documentation and Technical Data Support

3.5.1 As-Is Documentation

The contractor shall prepare and assure the detailed technical data documentation necessary to support existing systems and components reflects the latest applicable rules, regulations, industry, and international standards. As-Is documentation is the detailed drawings, specifications, and documentation necessary to record the system, process or item as it exists in its functional state including identification of any variations from original (if available) drawings and associated drawings.

3.5.2 Technical Manual Support

The contractor shall design, develop, and maintain system Technical Manuals using appropriate Rules, Regulations, and Commercial Standards. Technical Manuals shall include Operations Manuals, Maintenance Manuals, and Operator Guides. The contractor shall be skilled in the design, development, and preparation of Interactive Electronic Technical Manuals. The contractor shall collect, maintain, catalog, and organize Original Equipment Manufacturer prepared technical manuals for commercial off-the-shelf items procured by the Government. The contractor shall evaluate and maintain system documentation and procedures.

3.6 Software Engineering, Development, Programming, and Network Support

The contractor shall develop software, program systems, and support networked radar components in support of microwave tube and antenna testing. These applications and programs are associated with specific systems and are not associated with the NMCI basewide computer systems or R&D networks. The programs and applications are for specific needs and not general use.

3.7 Reliability, Maintainability, and Availability (RM&A) Support

The contractor shall provide competent engineering support to RM&A analyses, program development, and implementation. This functional area consists of applying engineering, scientific, and analytical disciplines to ensure that systems and platforms RM&A requirements are integrated with the system design, development, and life cycle sustainment resulting in war-fighting capabilities that function effectively when required and detection and correction of design deficiencies, weak parts, and workmanship defects that affect functionality are timely implemented.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 62 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

3.8 Human Factors, Performance, and Usability Engineering Support

The contractor shall provide effective Human Systems Integration (HSI) engineering principles during system design, testing, and integration. This functional area consists of applying engineering, scientific, and analytical disciplines to ensure that design of interactive systems are safer, more secure and easier to use thereby reducing accidents due to human error, increasing system integrity, and enabling more efficient process operations. This functional area also includes applying engineering, scientific, and analytical disciplines to ensure the number, type, mix, knowledge, skills, and abilities (KSA), aptitudes, and physical characteristics of operators, maintainers, and support personnel have been defined and documented early in the system design phase.

3.9 System Safety Engineering Support – N/A

3.10 Configuration Management (CM) Support

The contractor shall identify, document, and verify the functional, performance, and physical characteristics of systems, to control changes and non-conformances, and to track actual configurations of systems and platforms.

The contractor shall assist in the preparation of Engineering Change Proposals, Engineering Change Orders, and Specification Change Notices using guidance in MIL-STD-973.

The contractor shall provide engineering and technical assistance in determining whether requests for deviations or waivers and Class II Engineering Changes are correctly categorized as defined in MIL-STD-973. Contractor shall submit reports to the Government on all such reviews, documenting the results with any change recommendations and supporting rationale.

3.11 Quality Assurance (QA) Support

The contractor shall ensure the processes and products used to manage Radar and Sensor systems comply with appropriate and applicable rules and regulations. The contractor shall provide engineering support to the creation of Quality Assurance Plans, Quality Validation testing, and Quality associated reporting.

3.12 Information System (IS) Development, Information Assurance (IA), and Information Technology (IT) Support - N/A

3.13 Ship Inactivation and Disposal Support – N/A

3.14 Interoperability, Test and Evaluation, Trials Support

The contractor shall support engineering, scientific, and analytical disciplines necessary to ensure that developed platforms, systems, and war-fighting capabilities have been properly tested and joint interoperability requirements have been fully met at all levels of their life cycle. Contractor shall provide engineering analyses of marketplace, systems, platforms including market research and analyses, performance characterizations, measurements, testing, analyses and as required engineering of test equipment and/or procedures to support these efforts.

3.15 Measurement Facilities, Range, and Instrumentation Support

The contractor shall support engineering, analytical and technician disciplines in the operation and support of measurement facilities, ranges and instrumentation used for testing, evaluating, experimenting and exercising platforms and systems.

3.16 Acquisition Logistics Support

The contractor shall implement acquisition logistics with engineering and analytical disciplines required as a multi-functional technical management discipline associated with the design, development, test, production, fielding, sustainment and improvement modifications of cost effective systems that achieve the war-fighters' peacetime and wartime readiness requirements. The objectives of acquisition logistics are to ensure support considerations are an integral part of the system's design requirements, the system can be cost effectively supported through its life cycle, and the infrastructure elements necessary to the initial fielding, operation, and

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 63 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

maintenance support of the system are identified, developed and acquired.

3.17 Supply and Provisioning Support - N/A

3.18 Training Support

The contractor shall provide engineering and analytical discipline assistance to ensure that the war-fighter and technical support community is provided with adequate instruction including applied exercises, resulting in the attainment and retention of knowledge, skills and attitudes regarding the platforms, systems and war-fighting capabilities they operate and maintain. Training support can include development of training manuals, tools, simulators, testing practices and other educational materials IAW best practices and functional transfer of knowledge.

3.19 In-Service Engineering, Fleet Introduction, Installation and Checkout Support

The contractor shall provide engineering, analytical, and technical disciplines and skills to establish and maintain long-term engineering, operation, and maintenance support for in-service war-fighting capabilities, as well as the capability to modernize or introduce transformational technologies into those capabilities. This shall include field engineering applications, level of repair analyses, engineering support to new and upgrade installation processes, engineering oversight and support to on-site alterations of deployed equipment.

3.20 Program Support

3.20.1 Program Management

The contractor shall provide engineering and technical support to assist NSWC Crane, Code GXR, to establish and maintain sound, documented program management practices meeting program requirements while optimizing performance and minimizing costs.

3.20.2 Data Management

The contractor shall establish a single, centralized system for management of all data required under this TO. Specific data management functions include schedule control for deliverables, maintenance of deliverables, and distribution and delivery of data products.

3.20.3 Technical Performance Review

The contractor's Program Manager (PM) shall meet (at a location mutually agreed upon within 60 miles of NSWC Crane) on a regular basis (expected to be no more frequently than three times per year) for In-Process Reviews (IPR) to ensure a mutual understanding of the objectives and scope of work, review contractor management procedures, confirm progress to date, review project deliverables, validate detailed work plan schedules, and address schedule variances, identify and resolve issues, manage program risk, and address contract change requests (including assignment of key personnel). The first review shall be conducted within ten days of TO award. The contractor shall plan, host, attend, coordinate, support, and conduct the in-process reviews, as well as other meetings, formal or technical reviews, conferences, and audits (hereafter collectively referred to as "reviews") required under the TO. All reviews shall be included in the program schedule, and may be held concurrently with the Government's approval. The contractor shall prepare agendas, conference presentation materials, and provide them at least three working days prior to the review, and provide minutes and reports following each review. The Government reserves the right to cancel any review. The Government reserves the right to add additional reviews at critical points during the Period of Performance (PoP). Action item documentation and assignment of responsibility for completion and due dates shall be determined prior to adjournment of all reviews. A summary of all action items, responsible parties, and estimated completion dates shall be included with the minutes. The contractor shall propose appropriate reviews during the creation of the TI. Reviews and their proposed schedule shall be agreed to by the Government.

3.21 Functional and Administrative Support

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 64 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

The contractor shall provide engineering, technical, and administrative support for functions such as correspondence, graphics, training, travel, and document management in support of engineering tasks performed under this task order.

3.22 Public Affairs and Multimedia Support – N/A

4.0 GOVERNMENT FURNISHED ITEMS

4.1 Government Furnished Information (GFI)

The contractor shall receive and maintain custody of any GFI provided during the course of the performance of this effort.

The Government will provide all applicable technical documentation, procedures, and information as required for completion of the SOW, which is deemed necessary by Code GXR personnel to make analyses and determinations. This includes technical manuals, training materials and information, specifications, procedures, processes, and quality system documents required for the performance of this SOW. This GFI will be provided as required or at the request of the contractor and identified in each specific TI.

4.2 Government Furnished Material (GFM)

GFM will be provided when the contractor has a requirement for special or specific Government material per specific tasking and as instructed by the TI.

4.3 Government Furnished Equipment (GFE)

GFE will be provided when the contractor has a requirement for special or specific Government equipment per specific tasking and as instructed by the TI.

4.4 Government Furnished Facilities (GFF)

The Government and contractor shall jointly determine facility requirements and locations for meetings and program reviews, as well as suitable infrastructure to manage program requirements to support the scope of activities.

The Government may provide office space, which may include desk, chair, computer, computer peripherals, copier and fax access, telephone, and other NMCI approved hardware for contractor use at NSWC Crane in Building 3168, or other designated Government offices for the accomplishment of the tasks set forth in each TO modification/TI. The Government may provide local telephone service for the contractor when performing on-site. Long distance and Federal Telephone System (FTS) calls shall be made only when necessary for the performance of work under this SOW. The Government requires certification of toll calls and FTS calls as being official under the terms of this TO. Non-official calls shall be billed back to the contractor. The contractor shall have the capability to interface and access all required web-collaborative tools. The contractor shall comply with NSWC Crane rules and regulations regarding the use of cell phones and particularly cell phones with camera capability.

The Government will provide the contractor necessary access to Government personnel with functional and business process expertise and management information required to perform the tasks outlined herein. The Government will provide necessary access to Division information systems and databases required to complete the tasks outlined herein. The Government will provide support required allowing necessary contractor access to facilities. Contractor shall assure that personnel proffered to provide services meet security clearance requirements necessary to perform the tasks.

4.5 Government Owned Vehicles

The Government may provide contractor access and authorization to operate Government owned vehicles for the purpose of transporting materials and documents to and from buildings within the NSWC Crane confines. Government provided vehicles shall be used solely for the purposes as described in this SOW and authorization

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 65 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

shall be annotated in individual TIs. All drivers must present proof of valid operator driver's license prior to operating a Government vehicle. The contractor shall operate motor vehicles IAW NSWCCRANEINST 11240.1 or most recent instruction. All contractor personnel operating Government vehicles, to include materials handling equipment, shall be licensed IAW provisions set forth IAW NSWCCRANEINST 11240.1 or most recent instruction, except when a valid state driver's license shall be accepted as proper authority for operation of commercial/administrative (non-tactical) vehicles up to and including 10,000 pounds gross vehicle weight upon completion of training courses as called out in NSWCCRANEINST 11240.1 or most current instruction. The contractor shall ensure contractor personnel have in their possession a valid US Government Motor Vehicle Operator's Identification Card (SF 46) or valid state driver's license, as applicable, when operating vehicles and equipment. Employees possessing a valid Government license need not be re-licensed. The contractor shall report any accidents involving motor vehicles or any other equipment IAW NSWCCRANEINST 11240.1 or most recent instruction.

5.0 DELIVERABLES

Below is a Contract Data Requirements List (CDRL) to be used for reporting status reports, which shall be submitted by the contractor documenting activities accomplished to date. As a minimum, CDRL A004 shall contain a summary of activity during the past month, including a running summary of man-hours and expenditures, work performed status relative to work scheduled, and issues or concerns. All data deliverables shall be made as specified and in contractor format unless otherwise directed. All deliverables shall be submitted via e-mail in Microsoft compatible format whenever possible to Ms. Amy Haworth, address 300 Hwy 361, Code CXLL, Bldg. 3168, Crane, IN 47522. Telephone is 812-854-5497, e-mail is amy.haworth.ctr@navy.mil.

CDRL: A001
 DID Number DI-ADMN-81249A
 DID Title Conference Agenda
 SOW Para. Sec. 3

CDRL: A002
 DID Number DI-ADMN-81250A
 DID Title Conference Minutes
 SOW Para. Sec. 3

CDRL: A003
 DID Number DI-MGMT-81334B
 DID Title Contract Work Breakdown Structure (CWBS)
 SOW Para. Sec. 3

CDRL: A004
 DID Number DI-MGMT-80227
 DID Title Contractor's Progress, Status and Management Report
 SOW Para. Sec. 3

CDRL: A005
 DID Number DI-CMAN-80639C
 DID Title Engineering Change Proposal (ECP)
 SOW Para. Sec. 3

CDRL: A006
 DID Number DI-MGMT-80596
 DID Title Government Furnished Information Deficiency Report
 SOW Para. Sec. 3

CDRL: A007
 DID Number DI-SESS-81520B

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 66 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

DID Title	Instructional Media Design Package
SOW Para.	Sec. 3
CDRL:	A008
DID Number	DI-ADMN-81373
DID Title	Presentation Material
SOW Para.	Sec. 3
CDRL:	A009
DID Number	DI-ADMN-80925
DID Title	Revisions to Existing Government Documents
SOW Para.	Sec. 3
CDRL:	A010
DID Number	DI-MGMT-80269
DID Title	Status of Government Furnished Equipment (GFE) Report
SOW Para.	Sec. 3
CDRL:	A011
DID Number	DI-CMAN-80776
DID Title	Technical Data Package
SOW Para.	Sec. 3
CDRL:	A012
DID Number	DI-MISC-80508B
DID Title	Technical Report – Study/Services
SOW Para.	Sec. 3
CDRL:	A013
DID Number	DI-NDTI-80566
DID Title	Test Plan
SOW Para.	Sec. 3
CDRL:	A014
DID Number	DI-NDTI-80603
DID Title	Test Procedures
SOW Para.	Sec. 3
CDRL:	A015
DID Number	DI-MISC-80168
DID Title	Data Management Plan
SOW Para.	Sec. 3
CDRL:	A016
DID Number	DI-CMAN-80858B
DID Title	Configuration Management Plan
SOW Para.	Sec. 3
CDRL:	A017
DID Number	DI-SESS-81001D
DID Title	Conceptual Design Drawings/Models
SOW Para.	Sec. 3
CDRL:	A018
DID Number	DI-SESS-81002D
DID Title	Developmental Design Drawings/Models and Associated Lists

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 67 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

SOW Para.	Sec. 3
CDRL:	A019
DID Number	DI-SESS-81000C
DID Title	Product Drawings/Model and Associated Lists
SOW Para.	Sec. 3
CDRL:	A020
DID Number	DI-DRPR-80651
DID Title	Engineering Drawings
SOW Para.	Sec. 3
CDRL:	A021
DID Number	DI-SESS-81003C
DID Title	Commercial Drawings/Models and Associated Lists
SOW Para.	Sec. 3
CDRL:	A022
DID Number	DI-MISC-80711A
DID Title	Scientific and Technical Reports
SOW Para.	Sec. 3
CDRL:	A023
DID Number	DI-FNCL-80331
DID Title	TO Funding Notification Letter
SOW Para.	Sec. 3
CDRL:	A024
DID Number	DI-MCCR-80700
DID Title	Computer Software Product End Item
SOW Para.	Sec.3
CDRL:	A025
DID Number	MIL-DTL-87268C
DID Title	Technical Manual
SOW Para.	Sec. 3
CDRL:	A026
DID Number	DI-MISC-80508B
DID Title	Technical Report – Study/Services
DID Subtitle	Trip Report
SOW Para.	Sec. 6

6.0 SPECIAL CONDITIONS

6.1 Security

The work to be performed under this TO as delineated in the TO DD Form 254, involves access to, handling of, and generation of classified material up to and including TOP SECRET. The contractor shall appoint a Security Officer, who shall (1) be responsible for all security aspects of the work performed under this TO (2) assure compliance with all DOD and Service regulations regarding security and (3) assure compliance with any written instructions from the Security Officers of each Government facility. In the event that any individual tasking requires a higher level of clearance, a separate DD Form 254 will be prepared and issued. The contractor may be required to have access to live data during the performance of this TO. Any records and data or information the contractor may have access to may be highly sensitive and confidential. The contractor may be required to have access to live data during the performance of this TO. Any records and data or information the contractor may

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 68 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

have access to may be highly sensitive and confidential. The contractor must not divulge any information about the files, data processing activities or functions, user IDs or passwords or any other knowledge that may be gained to anyone not authorized to have access to such information. It is the contractor's responsibility to ensure that all TO employees have proper authority. All classified material shall be processed and protected IAW the provisions of this SOW and all required instructions and directives in effect concerning the processing of classified material. U.S. Citizenship is required for all positions.

6.2 Travel

6.2.1 Travel Requirements

The contractor may be required to travel throughout the continental United States (CONUS) and to locations outside of the continental United States (OCONUS). All travel requests for contractor's travel will be authorized by Contracting Officer's Representative (COR)/Contracting Officer (KO) approved Travel Authorization unless specified on TI. The contractor shall submit a trip report to the technical points of contact for all travel performed no later than two weeks after completion of the trip. For trips made to OCONUS locations that are so designated per the Defense Base Act (DBA), the contractor is authorized to bill for DBA liability insurance. (CDRL A026)

6.2.2 Travel Authorization

Any travel undertaken by the contractor for performance of the TI must have prior authorization by the COR and KO (as stated in each TI).

6.2.3 OCONUS / High Risk Areas

The contractor may be required to travel to OCONUS locations and/or high risk areas. The contractor shall possess current passports, visas and identification badges, as required. The contractor shall possess the necessary immunizations and hazardous duty insurance for work and travel to designated high risk areas.

6.2.4 Need-to-Know Certification

When required to obtain access to a Government facility, ship, aircraft, or other duty station, the contractor shall initiate requests for need-to-know certification and submit these requests to/through the COR for appropriate action.

6.3 Contracting Officer's Representative (COR)

The COR is the point of contact for non-substantive communications of a technical nature. Only the KO has the authority to change the requirements of this order(s). The COR for this TO is referenced in Section G.

6.4 Requiring Technical Activity (RTA)

The RTA contacts are Functional Managers, Task Managers, and Project Managers which will be identified in individual TIs.

6.5 Funding

This TO will be funded incrementally as required. Each project will be identified by a separate TI and/or CLIN/SLIN.

6.6 Safety and Health

The requirements of this order may require contractor personnel to come in contact or be exposed to hazardous conditions. The contractor shall abide by all applicable federal, local, and state occupational safety and health requirements. The contractor must have on record a corporate safety plan and shall provide a copy to the COR when instructed. The contractor shall ensure all employees have appropriate Personal Protection Equipment (PPE).

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 69 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

The contractor shall ensure employees have all required training and certifications related to Occupational Safety and Health Administration (OSHA) requirements.

6.7 Hazardous Materials

The contractor shall provide personnel responsible for the handling of the hazardous materials and the respective Material Safety Data Sheet (MSDS). This responsibility includes proper training in the handling and disposal of the hazardous materials.

6.8 Control of Contractor Personnel

The contractor shall comply with the requirements of NAVWPNSUPPCENINST 5510.1 and NAVWPNSUPPCENINST 5910.1. All persons engaged in work while on Government property shall be subject to search of their persons (no bodily search) and vehicles at any time by the Government, and shall report any known or suspected security violations to the Crane Division Security Department. Assignment, transfer, and reassignment of contractor personnel shall be at the discretion of the contractor. However, when the Government directs, the contractor shall remove from TO performance any person who endangers life, property, or national security through improper conduct. All contractor personnel engaged in work while on Government property shall be subject to the Standards of Conduct contained in SECNAVINST 5370.2J. Prior to conducting work under this TO, the contractor shall provide a list of employees that will be working on site. The employee list shall contain full names, security clearance levels, social security numbers, job titles, and original birth certificates. This list shall be updated within forty-eight hours after changes occur.

6.9 Identification Badges

The contractor shall be required to obtain identification badges from the Government for contractor personnel to be located on Government property. The identification badge shall be visible at all times while employees are on the requiring activities property. The contractor shall furnish all requested information required to facilitate issuance of identification badges and shall conform to application regulations concerning the use and possession of the badges. The contractor shall be responsible for ensuring that all identification badges issued to contractor employees are returned to the Crane Division Security Department within forty eight hours following the completion of the TO, relocation or termination of an employee issued an identification badge, and upon request by the KO.

6.10 Accident Reporting

The contractor shall maintain an accurate record of and shall report all accidents to the COR.

6.11 Smoking Regulations

Smoking on Government property shall be in approved areas only IAW NAVFAC P 1021. Smoking in vehicles is prohibited.

6.12 Release of Information

All technical data provided to the contractor shall be protected from the public. All other information relating to the items to be delivered and services to be performed under this TO may not be disclosed by any means without prior approval of the authorized representative of the KO. Dissemination or public disclosure includes, but is not limited to permitting access to such information by foreign nationals by any other person or entity or publication of technical or scientific papers, or advertising or any other proposed public release. The contractor shall provide adequate physical protection to such information so as to preclude access by any person or entity not authorized such access.

6.13 Privacy Act

Under US Code Title 5 Section 552, information accessed in completing this TO is subject to the Privacy Act.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 70 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

6.14 Damage Reporting

The contractor shall maintain an accurate record of and shall report to the COR all damages to Government Furnished Equipment and facilities as prescribed by OPNAVINST 5102.1.

6.15 Non-Personal Services

The Government will neither supervise contractor employees nor control the method by which the contractor performs the required tasks. Under no circumstances will the Government assign tasks to or prepare work schedules for individual contractor employees. It shall be the responsibility of the contractor to manage its employees and to guard against any actions that are of the nature of personal services, or give the perception of personal services. If the contractor feels that any actions constitute or are perceived to constitute personal services it shall be the contractor's responsibility to notify the TO Procuring Contracting Officer (PCO) immediately. These services shall not be used to perform work of a policy/decision making or management nature, i.e., inherently Governmental functions. All decisions relative to programs supported by the contractor shall be the sole responsibility of the Government.

6.15.1 Contractor Identification

This TO is for non-personal services as defined by FAR Subpart 37.104. As such, contractor employees shall identify themselves as contractor personnel by introducing themselves or being introduced as contractor personnel and displaying distinguishing badges or other visible identification for meetings with Government personnel. In addition, contractor personnel shall appropriately identify themselves as contractor employees in telephone conversations and in formal and informal written correspondence.

6.16 Investigations

Contractor employees located on Government property shall cooperate with Government investigative agencies conducting criminal or administrative investigations.

6.17 Government Observations

Government personnel, such as Inspector General or higher headquarters staff, are authorized to observe contractor operations. Efforts will be made to minimize the degree of disturbance on contractor performance.

6.18 Work Area Cleanliness

The contractor shall be responsible for the orderliness and cleanliness of all areas being used for office and storage. The space shall be clean and neat and free from fire hazards, unsanitary conditions, and safety hazards.

6.19 Key Control

The contractor shall establish and implement methods of ensuring that all keys issued to the contractor by the Government are not lost or misplaced and are not used by unauthorized persons. No keys issued to the contractor by the Government shall be duplicated. The contractor shall develop procedures covering key control. Key control and accountability shall be IAW the key control requirements set forth in applicable regulations.

6.20 Hours of Operation

The normal duty hours for contractor on-site personnel and the contractor's liaison facility personnel assigned to this effort fall between 0630 and 1800 hours during normal Government workdays, Monday through Friday. The contractor may be required to respond to an emergency and work outside of regular working hours to perform the work as required. If contractor desires to have personnel work compressed work schedule it shall be requested in writing and approved by the COR.

6.20.1 Compressed Work Schedule

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 71 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

The contractor may be permitted to utilize a compressed work schedule for their employees working at NSWC Crane Division if specified on individual TI. A compressed work schedule allows a starting time between the hours of 0600 and 0830 for eight of the ten workdays (nine hours per day) with a stopping time between the hours of 1530 and 1800. The contractor's full-time employees shall adhere to the same number of hours each day for eight of the ten workdays (nine hours per day) during a biweekly pay period and for one eight-hour day during the same biweekly pay period. The contractor's full-time employee is required to work 80 hours in a biweekly pay period and this work must be scheduled for fewer than 10 days in a biweekly pay period. In some cases, a contractor may be required to remain on a non-compressed work schedule or to adjust contractor employee work hours (arrival and departure time) to accommodate the needs of the organization that they support. The contractor may be required to respond to an emergency requirement and work outside of regular working hours to perform the work. Exceptions to the compressed schedule may exist and the contractor will be notified by the COR of any permanent or temporary exceptions.

6.20.2 Flexitime

The contractor shall be permitted to utilize a Flexitime schedule for their employees working at NSWC Crane Division if specified on individual TI. A Flexitime schedule allows a starting time between the hours of 0630 and 0900, with a quitting time eight and one-half hours after the clock-in time (1500 to 1730). The contractor may be required to respond to an emergency requirement and work outside of regular working hours to perform the work. Exceptions to the Flexitime schedule may exist, and the contractor will be notified by the COR of any permanent or temporary exceptions.

6.20.3 Closed Days

All closed days will be designated by the Commander, NSWC, Crane Division. Closed days will be associated with holidays, National Security and/or inclement weather/dangerous conditions. The contractor will not be allowed to work on NSWC, Crane Division during designated closed days, unless they are deemed to be essential personnel. Essential personnel will be identified by the Government, and communicated to the contractor prior to the designated closed day, and will be authorized by the COR/KO and specified on individual TI. In the event the contractor is prevented from performance as the result of an Executive Order or an administrative leave determination applying to the using activity, such time may be charged to leave or indirect charges in accordance with the company policy.

6.20.3.1 Inclement Weather

When the Government Agency is closed by the Commander because of inclement weather conditions and/or dangerous conditions, notification of the closing will be broadcast over local radio and television stations. Notification of base closing may also be accessed by calling 812-854-1333 or 866-249-2154.

6.20.3.2 Holidays

A list of Government Agency observed holidays and/or closed days in conjunction with holidays will be published at the beginning of each calendar year. Contractor employees will not be allowed to work on Government property on a holiday and/or closed day unless they are deemed to be essential personnel. The contractor is advised that access to the Government installation may be restricted on these holidays.

New Year's Day	Birthday of Martin Luther King, Jr.
President's Day	Memorial Day
Independence Day	Labor Day
Columbus Day	Veteran's Day
Thanksgiving Day	Christmas Day

6.20.4 Overtime

Overtime shall be performed as required by the RTA and to the extent authorized by the KO. The definition of overtime is as follows: work in excess of forty (40) hours per week or work performed on Saturday, Sunday and

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 72 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

holidays. Overtime shall be used only upon prior approval by the COR.

6.21 Information Non-Disclosure

The contractor shall not disclose any information provided or developed under this TO outside the Government without prior approval from the Government. All technical data provided to the contractor shall be protected from the public. All other information under this TO may not be disclosed by any means without prior approval of the authorized representative of the KO. Dissemination or public disclosure includes, but is not limited to, permitting access to such information by foreign nationals by any other person or entity, or publication of technical or scientific papers, or advertising or any other proposed public release. The contractor shall provide adequate physical protection to such information so as to preclude access by any person or entity not authorized such access.

6.22 Licenses, Certifications, and Training

The contractor may be required IAW TI to receive training and hold a valid license or certification for the operation of forklifts and other handling equipment (hoists, crane, etc.); receive training and certification in the handling of hazardous materials; and receive training and certification for any other specialized operations as required in support of the tasking set forth in this SOW. Training may be Government sponsored and conducted on-center, contractor sponsored and conducted at contractor's facilities, or vendor sponsored and conducted at vendor facilities. The certification training specific to the Government may be funded by and/or provided by the Government. Training considered to be employee development will not be funded and/or provided by the Government.

6.23 Existing Conditions

In the performance of work under this TO, the contractor is not responsible for any existing conditions (conditions that exist prior to or as of the effective date of this TO) at the GFF, and the Government will reimburse the contractor for any costs or liability the contractor might incur as a result of these existing conditions. The Government and the contractor will jointly conduct an inspection of the facilities to establish baseline conditions at the start of the performing period.

6.24 Data Rights

All data/documentation delivered/created in support of this effort becomes the property of the US Government and will be delivered without proprietary markings. The Government will have unlimited rights of all data delivered under this TO. The Government will have unlimited data and distribution rights to all processes, systems, and equipment developed under this SOW. Data required from this contracting action shall be delivered in English with applicable numbering in English or metric units. The Government will have unlimited rights to reproduce and use all submitted CDRL(s).

6.25 Quality Assurance

The Government shall monitor the contractor's TO work performance under this SOW by requiring progress reports, conducting on-site inspections, and inspecting TO deliverables for compliance to tasking.

6.26 Coffee Mess

On-site contractor personnel may participate in authorized coffee messes IAW the policies associated with that coffee mess.

6.27 Conservation of Utilities

The contractor shall instruct employees in utilities conservation practices. The contractor shall be responsible for operating, while on the facility, to the requirements set forth in NSWC Crane regulations.

- a. Lighting shall be used only in areas where and when work is actually being performed, or when necessary

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 73 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

to ensure safety of personnel.

- b. Contractor employees shall not adjust mechanical equipment controls for heating, ventilation and air conditioning systems in any Government facility.
- c. Water faucets, spigots or valves shall be turned off after the required usage has been accomplished.

6.28 Public Key Infrastructure Requirements

Where interoperable DoD PKI is required for the exchange of unclassified information between DoD and its vendors and contractors or for access to PK-enabled information systems and websites, industry partners shall obtain all necessary certificates. A DoD PKI certificate or Interim External Certificate Authority (IECA) certificate is required to enable the contractor to access Government hosted resources. Information concerning this certificate can be obtained at <http://iase.disa.mil/pki/eca/index.html>. Costs associated with obtaining the necessary certifications shall not be reimbursed by the Government under Other Direct Costs.

6.29 Contractor Acquired Property (CAP)

Any material purchased by the contractor for the use or on behalf of the Government will become the property of the Government at the conclusion of the TO. The transfer of materials shall be documented by the contractor in addition to an accounting of all materials consumed during the performance of individual elements of the TO. The contractor shall furnish the Government a copy of such documents identifying the materials consumed on a monthly basis. At the conclusion of performance for this effort, all remaining CAP shall be delivered to the Government.

7.0 PLACE OF PERFORMANCE

Work shall be performed at NSWC Crane, contractor's facility(s), and off-site locations. Off-site locations may be in the Continental United States (CONUS) or Outside the Continental United States (OCONUS) locations and will be specified by TI. The contractor shall be required to have facilities within a two hour drive of NSWC Crane to allow for a sufficient commute.

8.0 PERFORMANCE STANDARDS

The SOW being utilized for this requirement is considered to be performance based. As required by Federal Acquisition Regulation (FAR) Part 37.601, the SOW describes the requirements in terms of results required rather than the methods of performance of the work, and uses measurable performance standards. Contractor performance will be evaluated IAW the provided QASP.

HQ C-1-0001 DATA REQUIREMENTS (NAVSEA)(SEP 1992)

The data to be furnished hereunder shall be prepared in accordance with the Contract Data Requirements List, DD Form 1423, Exhibit A, attached hereto.

HQ C-2-0002 ACCESS TO PROPRIETARY DATA OR COMPUTER SOFTWARE (NAVSEA) (JUN 1994)

(a) Performance under this contract may require that the Contractor have access to technical data, computer software, or other sensitive data of another party who asserts that such data or software is proprietary. If access to such data or software is required or to be provided, the Contractor shall enter into a written agreement with such party prior to gaining access to such data or software. The agreement shall address, at a minimum, (1) access to, and use of, the proprietary data or software exclusively for the purposes of performance of the work required by this contract, and (2) safeguards to protect such data or software from unauthorized use or disclosure for so long as the data or software remains proprietary. In addition, the agreement shall not impose any limitation upon the Government or its employees with respect to such data or software. A copy of the executed agreement shall be provided to the Contracting Officer. The Government may unilaterally modify the contract to list those third parties with which the Contractor has agreement(s).

(b) The Contractor agrees to: (1) indoctrinate its personnel who will have access to the data or software as to the

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 74 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

restrictions under which access is granted; (2) not disclose the data or software to another party or other Contractor personnel except as authorized by the Contracting Officer; (3) not engage in any other action, venture, or employment wherein this information will be used, other than under this contract, in any manner inconsistent with the spirit and intent of this requirement; (4) not disclose the data or software to any other party, including, but not limited to, joint venturer, affiliate, successor, or assign of the Contractor; and (5) reproduce the restrictive stamp, marking, or legend on each use of the data or software whether in whole or in part.

(c) The restrictions on use and disclosure of the data and software described above also apply to such information received from the Government through any means to which the Contractor has access in the performance of this contract that contains proprietary or other restrictive markings.

(d) The Contractor agrees that it will promptly notify the Contracting Officer of any attempt by an individual, company, or Government representative not directly involved in the effort to be performed under this contract to gain access to such proprietary information. Such notification shall include the name and organization of the individual, company, or Government representative seeking access to such information.

(e) The Contractor shall include this requirement in subcontracts of any tier which involve access to information covered by paragraph (a), substituting "subcontractor" for "Contractor" where appropriate.

(f) Compliance with this requirement is a material requirement of this contract.

HQ C-2-0014 CONTRACTOR'S PROPOSAL (NAVSEA) (MAR 2001)

(a) Performance of this contract by the Contractor shall be conducted and performed in accordance with detailed obligations to which the Contractor committed itself in Proposal dated (to be completed at time of award) in response to NAVSEA Solicitation N00024-12-R-3040.

(b) The technical volume(s) of the Contractor's proposal is incorporated by reference and hereby made subject to the provisions of the "ORDER OF PRECEDENCE" (FAR 52.215-8) clause of this contract. Under the "ORDER OF PRECEDENCE" clause, the technical volume of the Contractor's proposal referenced herein is hereby designated as item (f) of the clause, following "the specification" in the order of precedence.

HQ C-2-0037 ORGANIZATIONAL CONFLICT OF INTEREST (NAVSEA) (JUL 2000)

(a) "Organizational Conflict of Interest" means that because of other activities or relationships with other persons, a person is unable or potentially unable to render impartial assistance or advice to the Government, or the person's objectivity in performing the contract work is or might be otherwise impaired, or a person has an unfair competitive advantage. "Person" as used herein includes Corporations, Partnerships, Joint Ventures, and other business enterprises.

(b) The Contractor warrants that to the best of its knowledge and belief, and except as otherwise set forth in the contract, the Contractor does not have any organizational conflict of interest(s) as defined in paragraph (a).

(c) It is recognized that the effort to be performed by the Contractor under this contract may create a potential organizational conflict of interest on the instant contract or on a future acquisition. In order to avoid this potential conflict of interest, and at the same time to avoid prejudicing the best interest of the Government, the right of the Contractor to participate in future procurement of equipment and/or services that are the subject of any work under this contract shall be limited as described below in accordance with the requirements of FAR 9.5.

(d) (1) The Contractor agrees that it shall not release, disclose, or use in any way that would permit or result in disclosure to any party outside the Government any information provided to the Contractor by the Government during or as a result of performance of this contract. Such information includes, but is not limited to, information submitted to the Government on a confidential basis by other persons. Further, the prohibition against release of Government provided information extends to cover such information whether or not in its original form, e.g., where the information has been included in Contractor generated work or where it is discernible from materials

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 75 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

incorporating or based upon such information. This prohibition shall not expire after a given period of time.

(2) The Contractor agrees that it shall not release, disclose, or use in any way that would permit or result in disclosure to any party outside the Government any information generated or derived during or as a result of performance of this contract. This prohibition shall expire after a period of three years after completion of performance of this contract.

(3) The prohibitions contained in subparagraphs (d)(1) and (d)(2) shall apply with equal force to any affiliate of the Contractor, any subcontractor, consultant, or employee of the Contractor, any joint venture involving the Contractor, any entity into or with which it may merge or affiliate, or any successor or assign of the Contractor. The terms of paragraph (f) of this Special Contract Requirement relating to notification shall apply to any release of information in contravention of this paragraph (d).

(e) The Contractor further agrees that, during the performance of this contract and for a period of three years after completion of performance of this contract, the Contractor, any affiliate of the Contractor, any subcontractor, consultant, or employee of the Contractor, any joint venture involving the Contractor, any entity into or with which it may subsequently merge or affiliate, or any other successor or assign of the Contractor, shall not furnish to the United States Government, either as a prime contractor or as a subcontractor, or as a consultant to a prime contractor or subcontractor, any system, component or services which is the subject of the work to be performed under this contract. This exclusion does not apply to any recompetition for those systems, components or services furnished pursuant to this contract. As provided in FAR 9.505-2, if the Government procures the system, component, or services on the basis of work statements growing out of the effort performed under this contract, from a source other than the contractor, subcontractor, affiliate, or assign of either, during the course of performance of this contract or before the three year period following completion of this contract has lapsed, the Contractor may, with the authorization of the cognizant Contracting Officer, participate in a subsequent procurement for the same system, component, or service. In other words, the Contractor may be authorized to compete for procurement(s) for systems, components or services subsequent to an intervening procurement.

(f) The Contractor agrees that, if after award, it discovers an actual or potential organizational conflict of interest, it shall make immediate and full disclosure in writing to the Contracting Officer. The notification shall include a description of the actual or potential organizational conflict of interest, a description of the action, which the Contractor has taken or proposes to take to avoid, mitigate, or neutralize the conflict, and any other relevant information that would assist the Contracting Officer in making a determination on this matter. Notwithstanding this notification, the Government may terminate the contract for the convenience of the Government if determined to be in the best interest of the Government.

(g) Notwithstanding paragraph (f) above, if the Contractor was aware, or should have been aware, of an organizational conflict of interest prior to the award of this contract or becomes, or should become, aware of an organizational conflict of interest after award of this contract and does not make an immediate and full disclosure in writing to the Contracting Officer, the Government may terminate this contract for default.

(h) If the Contractor takes any action prohibited by this requirement or fails to take action required by this requirement, the Government may terminate this contract for default.

(i) The Contracting Officer's decision as to the existence or nonexistence of an actual or potential organizational conflict of interest shall be final.

(j) Nothing in this requirement is intended to prohibit or preclude the Contractor from marketing or selling to the United States Government its product lines in existence on the effective date of this contract; nor, shall this requirement preclude the Contractor from participating in any research and development or delivering any design development model or prototype of any such equipment. Additionally, sale of catalog or standard commercial items are exempt from this requirement.

(k) The Contractor shall promptly notify the Contracting Officer, in writing, if it has been tasked to evaluate or advise the Government concerning its own products or activities or those of a competitor in order to ensure proper

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 76 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

safeguards exist to guarantee objectivity and to protect the Government's interest.

(l) The Contractor shall include this requirement in subcontracts of any tier which involve access to information or situations/conditions covered by the preceding paragraphs, substituting "subcontractor" for "contractor" where appropriate.

(m) The rights and remedies described herein shall not be exclusive and are in addition to other rights and remedies provided by law or elsewhere included in this contract.

(n) Compliance with this requirement is a material requirement of this contract.

HQ C-2-0041 PRINTING OF TECHNICAL MANUALS, PUBLICATIONS, CHANGES, REVISIONS AND AMENDMENTS (NAVSEA) (JAN 2008)

(a) The printing, duplication, and binding of all technical manuals, books, and other publications, and changes, amendments, and revisions thereto, including all copies and portions of such documents which are required to be prepared and furnished under this contract for review, approval or otherwise, shall be accomplished in accordance with the following:

(1) DOD Instruction 5330.03, Document Automation & Production Service (DAPS) of February 8, 2006

(2) Federal Acquisition Regulation (FAR) Subparts 8.8 and 17.5, as in effect on the date of this contract and;

(3) "Government Printing and Binding Regulations", published by the Joint Committee on Printing, Congress of the United States, as in effect on the date of this contract.

(b) Publications and other printed or duplicated material which (1) are prepared and carried by equipment manufacturers for regular commercial sale or use, and (2) require no significant modification for military use or to meet the requirements of this contract, or (3) are normally supplied for commercial equipment, shall be provided by the Contractor. Except for material falling within (1) through (3) of this paragraph, the printing of technical manuals, publications, changes, revisions, or amendments by the Contractor or subcontractor is prohibited.

(c) The Contractor shall have the printing and binding of final approved technical manuals, publications, changes, revisions and amendments thereto, as required under this contract (whether prepared by the Contractor or a subcontractor), printed at Government expense by or through the Defense Automation and Production Service (DAPS) in the Naval District in which the Contractor is located, in accordance with the following general procedures:

(1) Prior to preparation of materials for printing (photolithographic negatives or camera-ready copies) by the Contractor or a subcontractor, the Contractor shall make arrangements with DAPS and with the designated Contract Administration Office for printing and binding which shall include:

(i) Citation of contract number;

(ii) Security classification of materials to be printed;

(iii) Establishment of a schedule for printing, including estimated delivery date to DAPS;

(iv) Provisions for furnishing photolithographic negatives or camera-ready copies and art work in the proper sequence for printing;

(v) A check-off list to verify the printing sequence of text pages and foldouts in the form prescribed by DAPS;

(vi) Complete printing instructions, which shall specify colors, if required for specific pages, the

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 77 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

trim size, including apron, if required, for each foldout/in or chart, or other unique requirements;

(vii) Type of binding (side stitch, perfect bound, saddle stitch, glue bound, tape bound, plastic comb/wire bound, loose leaf, screw posts, etc.); and

(viii) Other instructions, as applicable, such as packing instructions, banded, shrink pack, strap, binders, fill and seal cartons/boxes, inset padding of any type, type of envelope, water type packaging or other container quantity for each addressee, required delivery schedule, or delivery instructions. (The Contractor shall provide an address list and addressed mailing labels for each addressee).

(ix) Special handling of classified materials from Confidential up to Top Secret requiring printing through DAPS or the GPO are managed in accordance with DODD 5200.32. Contact the appropriate DAPS location before delivering classified originals to ensure proper handling and disposition.

(2) The Contractor shall ship the complete set of photolithographic negatives, camera-ready copies or digital media (CD/DVD) required to be printed in accordance with the detailed procedures specified by DAPS. All transportation charges are paid to DAPS or a contract printer designated by DAPS. The DAPS shall sign the acceptance block of the DD Form 250 for reproducible quality only.

(3) For steam and electrical plant composite diagrams, the Contractor shall provide an original Mylar print of the diagram to the DAPS with a guide indicating the color of each line. DAPS, or via the GPO, will prepare the color separation negatives for the composite diagram and return those to the Contractor for editorial review. DAPS will correct any errors and print the corrected composite diagram.

(4) DAPS will furnish or provide for all supplies and services (including binders) which are necessary to accomplish the printing and binding.

(5) DAPS will pack and ship or provide for packing and shipping of the printed material to the Contractor and the distribution list furnished by the Contractor in accordance with the printing order, unless distribution by the Contractor is otherwise required by the terms of the contract, the specifications, or otherwise, in which case the printed and bound publications will be returned to the Contractor for distribution.

(6) DAPS will pack and ship the material used for printing to the DAPS, 4th Naval District (Philadelphia, PA), for storage.

(d)(1) In establishing the schedule for printing, the Contractor shall provide for furnishing the photolithographic negatives, camera-ready copies or digital media (CD/DVD) to DAPS in time to allow at least the minimum number of working days specified in the schedule below (eight-hour day, five days per week exclusive of Saturdays, Sundays, and holidays) from date of acceptance of material for printing at DAPS to date of shipment of printed material from DAPS.

Printing	Minimum number of working days required by DAPS
Up to 200 copies per original	30
201 through 400 copies per original	40
401 through 600 copies per original	50
601 copies per original and over	60

(2) If DAPS exceeds the delivery requirements established in accordance with paragraph (c)(1)(iii),

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 78 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

for the item(s) specified, the time shall be extended by an equivalent number of working days, provided that the Contractor requests such extension(s), in writing, to the Contracting Officer and submits with its request sufficient evidence to enable the Contracting Officer to determine the validity of the Contractor's request.

(e) The Contractor shall not be responsible for the quality, or quality control, of printing performed by DAPS or a printer under contract to DAPS; and, the Government shall reimburse the Contractor for any costs incurred for replacement of material lost or damaged by DAPS or a printer under contract to DAPS.

(f) The costs of printing, binding, packing and shipping by DAPS of the publications and changes described herein (but not the costs of preparing photolithographic negatives, camera-ready copies and other materials for printing or the costs of transporting or shipping such materials to DAPS or a contract printer designated by DAPS) shall be borne by the Government.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 79 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

SECTION D PACKAGING AND MARKING

Packaging and Marking shall be in accordance with the provisions of the basic contract. Some deliveries may contain classified information.

HQ D-1-0001 DATA PACKAGING LANGUAGE

Data to be delivered by Integrated Digital Environment (IDE) or other electronic media shall be as specified in the contract.

All unclassified data to be shipped shall be prepared for shipment in accordance with best commercial practice.

Classified reports, data, and documentation shall be prepared for shipment in accordance with National Industrial Security Program Operating Manual (NISPOM), DOD 5220.22-M dated 28 February 2006.

HQ D-2-0008 MARKING OF REPORTS (NAVSEA) (SEP 1990)

All reports delivered by the Contractor to the Government under this contract shall prominently show on the cover of the report:

- (1) name and business address of the Contractor
- (2) contract number
- (3) contract dollar amount
- (4) whether the contract was competitively or non-competitively awarded
- (5) sponsor:
(Name of Individual Sponsor)

(Name of Requiring Activity)

(City and State)

All Deliverables shall be packaged and marked IAW Best Commercial Practice.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 80 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

SECTION E INSPECTION AND ACCEPTANCE

All provisions and clauses in SECTION E of the basic contract apply to this TO, unless otherwise specified in this TO.

HQ E-1-0001 INSPECTION AND ACCEPTANCE LANGUAGE FOR DATA

Inspection and acceptance of all data shall be as specified on the attached Contract Data Requirements List(s), DD Form 1423.

HQ E-1-0007 INSPECTION AND ACCEPTANCE LANGUAGE FOR LOE SERVICES

Item(s) CLIN 4999 - Inspection and acceptance shall be made by the Contracting Officer's Representative (COR) or a designated representative of the Government.

PERFORMANCE BASED CONTRACT REVIEW AND ACCEPTANCE PROCEDURE

(a) This is a performance-based contract as defined in FAR Part 37.6 (PERFORMANCE BASED ACQUISITION). Contractor performance will be reviewed in accordance with the Quality Assurance Surveillance Plan provided as Attachment 1 in Section J.

(b) The plan defines that this review and acceptance will become part of the annual Contractor Performance Assessment Reporting System (CPARS). The contractor may obtain more information regarding the CPARS process at the following internet site: <http://cpars.navy.mil>

CLAUSES INCORPORATED BY REFERENCE

52.246-5 Inspection of Services-Cost Reimbursement APR 1984
252.246-7000 Material Inspection and Receiving Report MAR 2008

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 81 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

SECTION F DELIVERABLES OR PERFORMANCE

The periods of performance for the following Items are as follows:

4000	9/24/2012 - 9/23/2013
4200	9/24/2013 - 9/23/2014
4201	7/22/2014 - 9/23/2014
4202AA	8/6/2014 - 9/23/2014
4202AB	8/6/2014 - 9/23/2014
4202AC	8/6/2014 - 9/23/2014
4202AD	8/6/2014 - 9/23/2014
4202AE	8/6/2014 - 9/23/2014
4202AF	8/6/2014 - 9/23/2014
4202AG	8/27/2014 - 9/23/2014
4202AH	8/27/2014 - 9/23/2014
4202AJ	8/27/2014 - 9/23/2014
4202AK	8/27/2014 - 9/23/2014
4202AL	8/27/2014 - 9/23/2014
4400	9/24/2014 - 12/31/2015
4401AA	9/24/2014 - 9/23/2015
4401AB	9/24/2014 - 2/18/2015
4401AC	9/24/2014 - 2/18/2015
4401AD	9/24/2014 - 9/30/2014
4401AE	9/24/2014 - 9/30/2014
4401AF	9/24/2014 - 9/23/2015
4401AG	9/24/2014 - 12/31/2014
4401AH	9/24/2014 - 12/31/2014
4401AJ	9/24/2014 - 9/23/2015
4401AK	9/24/2014 - 12/31/2014
4401AL	9/24/2014 - 9/23/2015
4401AM	9/24/2014 - 9/23/2015
4401AN	9/24/2014 - 9/23/2015
4401AP	9/24/2014 - 9/23/2015
4401AQ	9/24/2014 - 9/23/2015
4401AR	9/24/2014 - 9/30/2014
4401AS	9/24/2014 - 9/23/2015
4401AT	9/24/2014 - 9/23/2015
4401AU	9/25/2014 - 9/23/2015
4401AV	9/25/2014 - 9/23/2015
4401AW	9/29/2014 - 9/23/2015
4401AX	10/20/2014 - 12/31/2014
4401AY	10/20/2014 - 9/23/2015
4401AZ	10/20/2014 - 9/23/2015

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 82 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

4401BA	11/20/2014 - 9/23/2015
4401BB	11/20/2014 - 9/23/2015
4401BC	11/20/2014 - 9/23/2015
4401BD	11/20/2014 - 9/23/2015
4401BE	11/20/2014 - 9/23/2015
4401BF	11/20/2014 - 12/31/2014
4401BG	12/4/2014 - 9/23/2015
4401BH	12/4/2014 - 9/23/2015
4401BJ	12/4/2014 - 9/23/2015
4401BK	12/4/2014 - 9/23/2015
4401BL	12/29/2014 - 9/23/2015
4401BM	12/29/2014 - 9/23/2015
4401BN	12/29/2014 - 9/23/2015
4401BP	12/29/2014 - 9/23/2015
4401BQ	12/29/2014 - 9/23/2015
4401BR	12/29/2014 - 9/23/2015
4401BS	12/29/2014 - 9/23/2015
4401BT	12/29/2014 - 9/23/2015
4401BU	12/29/2014 - 9/23/2015
4401BV	12/29/2014 - 9/23/2015
4401BW	1/1/2015 - 9/23/2015
4401BX	1/20/2015 - 9/23/2015
4401BY	1/27/2015 - 9/23/2015
4401BZ	1/27/2015 - 9/23/2015
4401CA	1/27/2015 - 9/23/2015
4401CB	2/17/2015 - 9/23/2015
4401CC	2/17/2015 - 5/31/2015
4401CD	2/17/2015 - 9/23/2015
4401CE	3/25/2015 - 9/23/2015
4401CF	3/25/2015 - 9/23/2015
4401CG	3/25/2015 - 9/23/2015
4401CH	3/25/2015 - 9/23/2015
4401CJ	3/25/2015 - 9/23/2015
4401CK	3/25/2015 - 9/23/2015
4401CL	3/25/2015 - 9/23/2015
4401CM	4/16/2015 - 9/23/2015
4401CN	4/16/2015 - 9/23/2015
4401CP	4/16/2015 - 9/23/2015
4401CQ	5/29/2015 - 9/23/2015
4401CR	5/29/2015 - 9/23/2015
4401CS	5/29/2015 - 9/23/2015
4401CT	5/29/2015 - 9/23/2015
4401CU	5/29/2015 - 9/23/2015

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 83 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

4401CV	5/29/2015 - 9/23/2015
4401CW	5/29/2015 - 9/23/2015
4401CX	5/29/2015 - 9/23/2015
4401CY	7/16/2015 - 9/23/2015
4401CZ	7/16/2015 - 12/31/2015
4401DA	7/16/2015 - 9/23/2015
4401DB	7/16/2015 - 9/23/2015
4401DC	7/16/2015 - 9/23/2015
4401DD	8/5/2015 - 9/23/2015
4401DE	8/21/2015 - 9/23/2015
4401DF	8/21/2015 - 9/23/2015
4401DG	9/2/2015 - 9/23/2015
4401DH	9/2/2015 - 9/23/2015
6000	9/24/2012 - 9/23/2013
6200	9/24/2013 - 9/23/2014
6201	7/22/2014 - 9/23/2014
6202AA	8/27/2014 - 9/23/2014
6202AB	8/27/2014 - 9/23/2014
6400	9/24/2014 - 9/23/2015
6401AA	9/24/2014 - 9/23/2015
6401AB	9/24/2014 - 2/18/2015
6401AC	9/24/2014 - 2/18/2015
6401AD	9/24/2014 - 9/23/2015
6401AE	9/24/2014 - 9/23/2015
6401AF	9/24/2014 - 9/23/2015
6401AG	9/24/2014 - 9/23/2015
6401AH	9/29/2014 - 9/23/2015
6401AJ	12/4/2014 - 9/23/2015
6401AK	12/4/2014 - 9/23/2015
6401AL	12/29/2014 - 9/23/2015
6401AM	1/1/2015 - 9/23/2015
6401AN	1/20/2015 - 9/23/2015
6401AP	1/27/2015 - 9/23/2015
6401AQ	3/25/2015 - 9/23/2015
6401AR	3/25/2015 - 9/23/2015
6401AS	4/16/2015 - 9/23/2015
6401AT	7/16/2015 - 9/23/2015
6401AU	7/16/2015 - 12/31/2015
6401AV	7/16/2015 - 9/23/2015

HQ F-1-0003 PERFORMANCE LANGUAGE FOR LOE SERVICES

The Contractor shall perform the work described in SECTION C, at the level of effort specified in SECTION B,

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 84 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

as follows:

ITEM(S) FROM - TO

The periods of performance for the following Items are as follows:

4000	9/24/2012 - 9/23/2013
4200	9/24/2013 - 9/23/2014
4201	7/22/2014 - 9/23/2014
4202AA	8/6/2014 - 9/23/2014
4202AB	8/6/2014 - 9/23/2014
4202AC	8/6/2014 - 9/23/2014
4202AD	8/6/2014 - 9/23/2014
4202AE	8/6/2014 - 9/23/2014
4202AF	8/6/2014 - 9/23/2014
4202AG	8/27/2014 - 9/23/2014
4202AH	8/27/2014 - 9/23/2014
4202AJ	8/27/2014 - 9/23/2014
4202AK	8/27/2014 - 9/23/2014
4202AL	8/27/2014 - 9/23/2014
4400	9/24/2014 - 12/31/2015
4401AA	9/24/2014 - 9/23/2015
4401AB	9/24/2014 - 2/18/2015
4401AC	9/24/2014 - 2/18/2015
4401AD	9/24/2014 - 9/30/2014
4401AE	9/24/2014 - 9/30/2014
4401AF	9/24/2014 - 9/23/2015
4401AG	9/24/2014 - 12/31/2014
4401AH	9/24/2014 - 12/31/2014
4401AJ	9/24/2014 - 9/23/2015
4401AK	9/24/2014 - 12/31/2014
4401AL	9/24/2014 - 9/23/2015
4401AM	9/24/2014 - 9/23/2015
4401AN	9/24/2014 - 9/23/2015
4401AP	9/24/2014 - 9/23/2015
4401AQ	9/24/2014 - 9/23/2015
4401AR	9/24/2014 - 9/30/2014
4401AS	9/24/2014 - 9/23/2015
4401AT	9/24/2014 - 9/23/2015
4401AU	9/25/2014 - 9/23/2015
4401AV	9/25/2014 - 9/23/2015
4401AW	9/29/2014 - 9/23/2015

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 85 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

4401AX	10/20/2014 - 12/31/2014
4401AY	10/20/2014 - 9/23/2015
4401AZ	10/20/2014 - 9/23/2015
4401BA	11/20/2014 - 9/23/2015
4401BB	11/20/2014 - 9/23/2015
4401BC	11/20/2014 - 9/23/2015
4401BD	11/20/2014 - 9/23/2015
4401BE	11/20/2014 - 9/23/2015
4401BF	11/20/2014 - 12/31/2014
4401BG	12/4/2014 - 9/23/2015
4401BH	12/4/2014 - 9/23/2015
4401BJ	12/4/2014 - 9/23/2015
4401BK	12/4/2014 - 9/23/2015
4401BL	12/29/2014 - 9/23/2015
4401BM	12/29/2014 - 9/23/2015
4401BN	12/29/2014 - 9/23/2015
4401BP	12/29/2014 - 9/23/2015
4401BQ	12/29/2014 - 9/23/2015
4401BR	12/29/2014 - 9/23/2015
4401BS	12/29/2014 - 9/23/2015
4401BT	12/29/2014 - 9/23/2015
4401BU	12/29/2014 - 9/23/2015
4401BV	12/29/2014 - 9/23/2015
4401BW	1/1/2015 - 9/23/2015
4401BX	1/20/2015 - 9/23/2015
4401BY	1/27/2015 - 9/23/2015
4401BZ	1/27/2015 - 9/23/2015
4401CA	1/27/2015 - 9/23/2015
4401CB	2/17/2015 - 9/23/2015
4401CC	2/17/2015 - 5/31/2015
4401CD	2/17/2015 - 9/23/2015
4401CE	3/25/2015 - 9/23/2015
4401CF	3/25/2015 - 9/23/2015
4401CG	3/25/2015 - 9/23/2015
4401CH	3/25/2015 - 9/23/2015
4401CJ	3/25/2015 - 9/23/2015
4401CK	3/25/2015 - 9/23/2015
4401CL	3/25/2015 - 9/23/2015
4401CM	4/16/2015 - 9/23/2015
4401CN	4/16/2015 - 9/23/2015
4401CP	4/16/2015 - 9/23/2015
4401CQ	5/29/2015 - 9/23/2015
4401CR	5/29/2015 - 9/23/2015

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 86 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

4401CS	5/29/2015 - 9/23/2015
4401CT	5/29/2015 - 9/23/2015
4401CU	5/29/2015 - 9/23/2015
4401CV	5/29/2015 - 9/23/2015
4401CW	5/29/2015 - 9/23/2015
4401CX	5/29/2015 - 9/23/2015
4401CY	7/16/2015 - 9/23/2015
4401CZ	7/16/2015 - 12/31/2015
4401DA	7/16/2015 - 9/23/2015
4401DB	7/16/2015 - 9/23/2015
4401DC	7/16/2015 - 9/23/2015
4401DD	8/5/2015 - 9/23/2015
4401DE	8/21/2015 - 9/23/2015
4401DF	8/21/2015 - 9/23/2015
4401DG	9/2/2015 - 9/23/2015
4401DH	9/2/2015 - 9/23/2015
6000	9/24/2012 - 9/23/2013
6200	9/24/2013 - 9/23/2014
6201	7/22/2014 - 9/23/2014
6202AA	8/27/2014 - 9/23/2014
6202AB	8/27/2014 - 9/23/2014
6400	9/24/2014 - 9/23/2015
6401AA	9/24/2014 - 9/23/2015
6401AB	9/24/2014 - 2/18/2015
6401AC	9/24/2014 - 2/18/2015
6401AD	9/24/2014 - 9/23/2015
6401AE	9/24/2014 - 9/23/2015
6401AF	9/24/2014 - 9/23/2015
6401AG	9/24/2014 - 9/23/2015
6401AH	9/29/2014 - 9/23/2015
6401AJ	12/4/2014 - 9/23/2015
6401AK	12/4/2014 - 9/23/2015
6401AL	12/29/2014 - 9/23/2015
6401AM	1/1/2015 - 9/23/2015
6401AN	1/20/2015 - 9/23/2015
6401AP	1/27/2015 - 9/23/2015
6401AQ	3/25/2015 - 9/23/2015
6401AR	3/25/2015 - 9/23/2015
6401AS	4/16/2015 - 9/23/2015
6401AT	7/16/2015 - 9/23/2015
6401AU	7/16/2015 - 12/31/2015
6401AV	7/16/2015 - 9/23/2015

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 87 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

The periods of performance for the following Option Items are as follows:

4100	9/24/2012 - 9/23/2018
4300	9/24/2013 - 9/23/2014
4500	9/24/2014 - 9/23/2015
6100	9/24/2012 - 9/23/2013
6300	9/24/2013 - 9/23/2014
6500	9/24/2014 - 9/23/2015

HQ F-2-0003 DATA DELIVERY LANGUAGE FOR SERVICES ONLY PROCUREMENTS

All data to be furnished under this contract shall be delivered prepaid to the destination(s) and at the time(s) specified on the Contract Data Requirements List(s), DD Form 1423.

CLAUSES INCORPORATED BY REFERENCE:

52.242-15 Stop-Work Order (Alt 1) (Aug 1989)
52.247-34 F.O.B. Destination (Nov 1991)

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 88 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

SECTION G CONTRACT ADMINISTRATION DATA

All provisions and clauses in SECTION G of the basic contract apply to this TO, unless otherwise specified in this TO.

TO ORDER RATES

The following rates have been approved for this TO.

Annual Labor Escalation: [REDACTED] Base Period, [REDACTED] Option Period 1, [REDACTED] Option Period 2

Maximum Pass-Thru Rate: [REDACTED] maximum Incentive Fee on Subcontractor Costs, Total Pass-Thru amount not to exceed [REDACTED]

Maximum Fee: [REDACTED] on Prime Costs

Fee on ODC: 0%

The above maximum rates are applicable to the prime contractor. If subcontracting is proposed, the prime contractor is strongly encouraged to restrict subcontractor fixed fee to the lower of (a) the prime contractor's fee under this order or (b) the subcontractor's SeaPort-e fixed fee rate where the subcontractor is also a prime contractor under SeaPort-e. The purpose of this is the Government's desire to avoid having it be more financially lucrative for a firm to be a subcontractor rather than a prime contractor under SeaPort-e. The Government strongly encourages the prime contractor to also implement this under Time and Materials subcontracts. Subcontractors may not earn fee on ODC's.

The Government also strongly encourages the prime contractor to eliminate "double pass-thru" costs by (1) avoiding second tier subcontractors/consultants during performance and (2) where this situation is unavoidable, limiting subcontractor pass-thru costs to the lower of (i) the prime contractor's pass-thru rate under this order or (ii) the subcontractor's SeaPort-e pass-thru rate where the subcontractor is also a prime contractor under SeaPort-e.

ACCOUNTING DATA

The award document will include Accounting Data at the end of Section G. All lines of accounting are listed sequentially under a heading that identifies the particular action (award or modification number) under which the funding was obligated. Under Seaport-e, all funding is identified/obligated at the SubCLIN (SLIN) level. SLINs are established sequentially by the Seaport-e software.

SECURITY ADMINISTRATION

The highest level of security required under this TO is Top Secret as designated on DD Form 254 attached hereto and made a part hereof. The Commander, Defense Security Service, Director of Industrial Security, Southern Region, is designated Security Administrator for the purpose of administering all elements of military security hereunder.

HQ G-2-0002 CONTRACT ADMINISTRATION DATA

Enter below the address (street and number, city, county, state and zip code) of the Contractor's facility which will administer the contract if such address is different from the address shown on the SF 26 or SF 33, as applicable.

HQ G-2-0003 CONTRACTING OFFICER'S REPRESENTATIVE

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 89 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

[REDACTED]

The Contractor shall forward a copy of all invoices to the Contracting Officer's Representative.

HQ G-2-0004 PURCHASING OFFICE REPRESENTATIVE

[REDACTED]

HQ G-2-0007 INVOICE INSTRUCTIONS (NAVSEA) (APR 2011)

(a) In accordance with the clause of this contract entitled "ELECTRONIC SUBMISSION OF PAYMENT REQUESTS" (DFARS 252.232-7003), the Naval Sea Systems Command (NAVSEA) will utilize the DoD Wide Area Workflow Receipt and Acceptance (WAWF) system to accept supplies/services delivered under this contract. The web-based system located at <https://wawf.eb.mil> provides the technology for government contractors and authorized Department of Defense (DoD) personnel to generate, capture and process receipt and payment-related documentation in a paperless environment. Invoices for supplies/services rendered under this contract shall be submitted electronically through WAWF. Submission of hard copy DD250/invoices may no longer be accepted for payment.

(b) It is recommended that the person in your company designated as the Central Contractor Registration (CCR) Electronic Business (EB) Point of Contact and anyone responsible for the submission of invoices, use the online training system for WAWF at <https://wawftraining.eb.mil>. The Vendor, Group Administrator (GAM), and sections marked with an asterisk in the training system should be reviewed. Vendor documentation is available under Resources at <http://wawftraining.com>.

(c) The designated CCR EB point of contact is responsible for activating the company's CAGE code on WAWF by calling 1-866-618-5988. Once the company is activated, the CCR EB point of contact will self-register under the company's CAGE code on WAWF and follow the instructions for a group administrator. After the company is set-up on WAWF, any additional persons responsible for submitting invoices must self-register under the company's CAGE code at <https://wawf.eb.mil>.

(d) The contractor shall use the following document types, DODAAC codes and inspection and acceptance locations when submitting invoices in WAWF.

Type of Document(s) (contracting officer check all that apply)

- Invoice (FFP Supply & Service)
- Invoice and Receiving Report Combo (FFP Supply)
- Cost Voucher (Cost Reimbursable, T&M, LH, or FPI)
- Receiving Report (FFP, DD250 Only)

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 90 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

DODAAC Codes and Inspection & Acceptance Locations
(Contracting Officer complete appropriate information as applicable)

Issue DODAAC: N00164
Admin DODAAC: S2404A
Pay Office DODAAC: HQ0338
Inspector DODAAC: N/A
Service Acceptor DODAAC: N/A
Service Approver DODAAC: N/A
Ship To DODAAC: N/A
DCAA Auditor DODAAC:HAA245
LPO DODAAC: N/A
Inspection Location: N/A
Acceptance Location: N/A

Attachments created in any Microsoft Office product may be attached to the WAWF invoice, e.g., backup documentation, timesheets, etc. Maximum limit for size of each file is 2 megabytes. Maximum limit for size of files per invoice is 5 megabytes.

(e) The Contractor agrees to segregate costs incurred under this task order at the lowest level of performance, either task or subtask, rather than on a total task order basis, and to submit invoices reflecting costs incurred at that level. Supporting documentation in WAWF for invoices shall include summaries of work charged during the period covered as well as overall cumulative summaries by individual labor categories, rates and hours (both straight time and overtime) invoiced; as well as, a cost breakdown of ODCs (materials and travel), by line item task or subtask. Subcontractors are also required to provide labor categories, rates, and hours (both straight time and overtime) invoiced; as well as, a cost breakdown of ODCs, materials, and travel invoiced. Supporting documentation may be encrypted before submission to the prime contractor for WAWF invoice submittal. Subcontractors may email encryption code information directly to the Contracting Officer and Contracting Officer Representative. Should the subcontractor lack encryption capability, the subcontractor may also email detailed supporting cost information directly to the Contracting Officer and Contracting Officer Representative; or other methods agreed to by the Contracting Officer.

(f) Before closing out of an invoice session in WAWF, but after submitting the document(s), you will be prompted to send additional email notifications. Click on "Send More Email Notification" and add the acceptor/receiver email addresses noted below in the first email address block, and add any other additional email addresses desired in the following blocks. This additional notification to the government is important to ensure that the acceptor/receiver is aware that the invoice documents have been submitted to WAWF.

Send Additional Email Notification To:

Contracting Officer Representative (COR):

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

(g) The contractor shall submit invoices/cost vouchers for payment per contract terms and the government shall process invoices/cost vouchers for payment per contract terms. Contractors approved by DCAA for direct billing will submit cost vouchers directly to DFAS via WAWF. Final voucher

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 91 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

submission will be approved by the ACO.

(h) If you have any questions regarding WAWF, please contact the WAWF helpdesk at the above 1-866 number.

SPECIAL INVOICE INSTRUCTIONS for CLINs 4000, 4200, 6000 & 6200.

Each SLIN providing funding designates a specific project area/work area/Technical Instruction (TI)/Work Breakdown Structure (WBS) item. Tracking and reporting shall be accomplished at the project/work area/TI/WBS item level. Each indentified project/work area/TI/WBS shall be invoiced by its associated SLIN and ACRN as identified on the TI.

SPECIAL INVOICE INSTRUCTIONS for all other CLINs.

Each SLIN that provides funding designates a specific project area/work area/Technical Instruction (TI)/Work Breakdown Structure (WBS) item. Tracking and reporting shall be accomplished at the project/work area/TI/WBS item level. Each identified project/work area/TI/WBS shall be invoiced by its associated SLINs and ACRNs as identified in Sections B, F & G.

Below is for CLINs 4000, 4200, 6000 & 6200.

In accordance with (DFARS) PGI 204.7108 "Other"(d) (12) INVOICING AND PAYMENT INSTRUCTIONS FOR MULTIPLE ACCOUNTING CLASSIFICATION CITATIONS the following payment instructions apply to this task order:

- a) This requirement includes support for multiple programs with independent budgets and funding lines. These funding lines are NOT interchangeable and it is critical that the Paying Office pay in accordance with the ACRNs and SLINs noted on the contractor's invoices. To do otherwise could result in a misappropriation of funds.
- (b) The Payment Office shall ensure that each payment under this contract is made in accordance with the specific accounting classification reference numbers (ACRNs) and SubCLIN (SLIN) numbers shown on each individual invoice, including attached data.

Below is for all other CLINs.

PAYMENT INSTRUCTIONS (PGI 204.7108(d)(1))

252.204-0001 Line Item Specific : Single Funding. (SEP 2009)
The payment office shall make payment using the ACRN funding of the line item being billed.

CONSENT TO SUBCONTRACT

For subcontracts and consulting agreements for services, where the prime contractor anticipates that hours delivered will be counted against the hours in the proposed Level of Effort, Consent to Subcontract authority is retained by the Procuring Contracting Officer.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 92 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

The following subcontractors are approved on this TO:

Advanced Automation Corporation (AAC)
 CDI Marine Company
 Concurrent Technologies Corporation (CTC)
 Georgia Tech Applied Research Corporation (GTARC)
 Jensen Consulting
 Engility Corporation
 Ohio State University (OSU)
 Penn State University
 PRN Associates
 Stimulus Engineering
 Tri-County Steel, Inc. (TCS)

CLAUSES INCORPORATED BY REFERENCE:

252.232-7003 Electronic Submission of Payment Requests and Receiving Reports (MAR 2008)

Accounting Data

SLINID	PR Number	Amount
400001	1300303723	110000.00
LLA :		
A1 1721804 8B2B 252 VU021 0 050120 2D 000000 A00001389566		
Funding in support of TI-10. Note: 10 U.S.C. 2410a Authority is applicable.		
Contractor may incur costs for work performed against this SLIN for 365 days from effective date of above modification, or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after the ending date, but only for work performed during the applicable period.		
400002	1300303791	20000.00
LLA :		
A2 1721804 8B2B 252 WS010 0 050120 2D 000000 A00001389827		
Funding in support of TI-11. Note: 10 U.S.C. 2410a Authority is applicable.		
Contractor may incur costs for work performed against this SLIN for 365 days from effective date of above modification, or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after the ending date, but only for work performed during the applicable period.		
400003	1300302705	20000.00
LLA :		
A3 97X4930 NH1J 251 77777 0 050120 2F 000000 A00001383209		
Standard Number: N0002411WX04973		
Funding in support of TI-03. Note: 10 U.S.C. 2410a Authority does NOT apply.		
Funds expire 30 September 2013, or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2013.		
400004	1300302706	50000.00
LLA :		
A4 97X4930 NH1J 251 77777 0 050120 2F 000000 A00001383573		
Standard Number: N0002411WX04973		
Funding in support of TI-09. Note: 10 U.S.C. 2410a Authority does NOT apply.		
Funds expire 30 September 2013, or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2013.		
400005	1300303796	103189.05

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 93 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

LLA :

A5 1721804 8B2B 252 VU021 0 050120 2D 000000 A00001389985
 Funding in support of TI-11. Note: 10 U.S.C. 2410a Authority is applicable.
 Contractor may incur costs for work performed against this SLIN for 365 days from
 effective date of above modification, or through the end date of the period of
 performance for CLIN 4000, whichever occurs first. Contractor may continue to
 invoice after the ending date, but only for work performed during the applicable
 period.

BASE Funding 303189.05
 Cumulative Funding 303189.05

MOD 01 Funding 0.00
 Cumulative Funding 303189.05

MOD 02

400006 1300303729 100000.00

LLA :

A6 1721319 A5BJ 251 WS020 0 050120 2D 000000 A00001389727
 Standard Number: N0002412WX04425
 Funding in support of TI-010. Note: 10 U.S.C. 2410a Authority does NOT apply.
 Funds expire 23 September 2013, or through the end date of the period of
 performance for CLIN 400006, whichever occurs first. Contractor may continue to
 invoice after this date, but only for work performed during the applicable period.

MOD 02 Funding 100000.00
 Cumulative Funding 403189.05

MOD 03

400003 1300302705 (20000.00)

LLA :

A3 97X4930 NH1J 251 77777 0 050120 2F 000000 A00001383209
 Standard Number: N0002411WX04973
 Funding in support of TI-03. Note: 10 U.S.C. 2410a Authority does NOT apply.
 Funds expire 30 September 2013, or through the end date of the period of
 performance for CLIN 4000, whichever occurs first. Contractor may continue to
 invoice after this date, but only for work performed up through and including 30
 September 2013.

MOD 03 Funding -20000.00
 Cumulative Funding 383189.05

MOD 04

400007 1300320239 154494.00

LLA :

A7 1731804 8C2C 252 WS020 0 050120 2D 000000 A00001523335
 Standard Number: N0002413WX03048
 Funding in support of TI-01. Note: 10 U.S.C. 2410a Authority does NOT apply.
 Funds expire 23 September 2013, or through the end date of the period of
 performance for CLIN 4000, whichever occurs first. Contractor may continue to
 invoice after this date, but only for work performed up through and including 23
 September 2013.

400008 1300321292 106786.00

LLA :

A8 1731804 8C2C 251 WS020 0 050120 2D 000000 A10001527626
 Standard Number: N0002413WX00982
 Funding in support of TI-01. Note: 10 U.S.C. 2410a Authority does NOT apply.
 Funds expire 23 September 2013, or through the end date of the period of
 performance for CLIN 4000, whichever occurs first. Contractor may continue to
 invoice after this date, but only for work performed up through and including 23
 September 2013.

400009 1300321330 81450.00

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 94 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

LLA :

B1 1731804 8C2C 251 WS020 0 050120 2D 000000 A00001530882
Standard Number: N0002413WX00982
Funding in support of TI-07. Note: 10 U.S.C. 2410a Authority does NOT apply.
Funds expire 30 September 2013, or through the end date of the period of
performance for CLIN 4000, whichever occurs first. Contractor may continue to
invoice after this date, but only for work performed up through and including 30
September 2013.

600001 1300320239 3454.00

LLA :

A7 1731804 8C2C 252 WS020 0 050120 2D 000000 A00001523335
Standard Number: N0002413WX03048
Funding in support of TI-01. Note: 10 U.S.C. 2410a Authority does NOT apply.
Funds expire 23 September 2013, or through the end date of the period of
performance for CLIN 4000, whichever occurs first. Contractor may continue to
invoice after this date, but only for work performed up through and including 23
September 2013.

600002 1300321292 3214.00

LLA :

A8 1731804 8C2C 252 WS020 0 050120 2D 000000 A10001527626
Standard Number: N0002413WX00982
Funding in support of TI-01. Note: 10 U.S.C. 2410a Authority does NOT apply.
Funds expire 23 September 2013, or through the end date of the period of
performance for CLIN 4000, whichever occurs first. Contractor may continue to
invoice after this date, but only for work performed up through and including 23
September 2013.

600003 1300317691 10000.00

LLA :

A9 1721810 84L7 252 VU021 0 050120 2D 000000 A00001506860
Standard Number: N0002412WX04856
Funding in support of TI-10. Note: 10 U.S.C. 2410a Authority does NOT apply.
Funds expire 22 September 2013, or through the end date of the period of
performance for CLIN 4000, whichever occurs first. Contractor may continue to
invoice after this date, but only for work performed up through and including 22
September 2013.

MOD 04 Funding 359398.00
Cumulative Funding 742587.05

MOD 05 Funding 0.00
Cumulative Funding 742587.05

MOD 06

400011 1300303794 100000.00

LLA :

B2 1721319 A5BJ 251 WS020 0 050120 2D 000000 A00001389920
Standard Number: N0002412WX04425
Funding in support of TI-11. Note: 10 U.S.C. 2410a Authority does NOT apply.
Funds expire 22 September 2013, or through the end date of the period of
performance for CLIN 4000, whichever occurs first. Contractor may continue to
invoice after this date, but only for work performed up through and including 22
September 2013, or through the end date of the period of performance for CLIN 4000,
whichever occurs first.

400012 1300323007 270000.00

LLA :

B3 1731319 A5BJ 251 WS020 0 050120 2D 000000 A00001537516
Standard Number: N0002413WX03123
Funding in support of TI-010. Note: 10 U.S.C. 2410a Authority does NOT apply.
Funds expire 23 September 2013, or through the end date of the period of
performance for CLIN 4000, whichever occurs first. Contractor may continue to
invoice after this date, but only for work performed up through and including 23
September 2013, or through the end date of the period of performance for CLIN 4000,
whichever occurs first.

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-04-D-4119	N00178-04-D-4119-FC37	50	95 of 141	

400014 1300323006 310563.00

LLA :

B5 1731319 A5BJ 251 WS020 0 050120 2D 000000 A00001537298

Standard Number: N0002413WX03123

Funding in support of TI-011. Note: 10 U.S.C. 2410a Authority does NOT apply.

Funds expire 23 September 2013, or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 23 September 2013, or through the end date of the period of performance for CLIN 4000, whichever occurs first.

600004 1300323007 30000.00

LLA :

B3 1731319 A5BJ 252 WS020 0 050120 2D 000000 A00001537516

Standard Number: N0002413WX03123

Funding in support of TI-010. Note: 10 U.S.C. 2410a Authority does NOT apply.

Funds expire 23 September 2013, or through the end date of the period of performance for CLIN 6000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 23 September 2013, or through the end date of the period of performance for CLIN 6000, whichever occurs first.

600006 1300323006 34507.00

LLA :

B5 1731319 A5BJ 252 WS020 0 050120 2D 000000 A00001537298

Standard Number: N0002413WX03123

Funding in support of TI-011. Note: 10 U.S.C. 2410a Authority does NOT apply.

Funds expire 23 September 2013, or through the end date of the period of performance for CLIN 6000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 23 September 2013, or through the end date of the period of performance for CLIN 6000, whichever occurs first.

MOD 06 Funding 745070.00

Cumulative Funding 1487657.05

MOD 07

400015 1300318631 100000.00

LLA :

B6 1721109 4650 310 67854 067443 2D 4650B1 3RC24F23114M

Funding in support of TI-02. Note: 10 U.S.C. 2410a Authority does NOT apply.

Funds expire 30 September 2014, or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2014, or through the end date of the period of performance for CLIN 4000, whichever occurs first.

400016 1300318631 100000.00

LLA :

B6 1721109 4650 310 67854 067443 2D 4650B1 3RC24F23114M

Funding in support of TI-04. Note: 10 U.S.C. 2410a Authority does NOT apply.

Funds expire 30 September 2014, or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2014, or through the end date of the period of performance for CLIN 4000, whichever occurs first.

400017 1300339233 10891.09

LLA :

B7 1711810 84L7 252 VU021 0 050120 2D 000000 A00001646426

Funding in support of TI-07. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds

expire 30 September 2013, or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2013, or through the end date of the period of performance for CLIN 4000, whichever occurs first.

400018 1300327467 96434.00

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 96 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

LLA :

B8 1731810 81DM 251 VU021 0 050120 2D 000000 A00001565895

Funding in support of TI-10. Note: 10 U.S.C. 2410a Authority does NOT apply.
Funds expire 23 September 2013, or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 23 September 2013, or through the end date of the period of performance for CLIN 4000, whichever occurs first.

600007 1300318631 10000.00

LLA :

B6 1721109 4650 310 67854 067443 2D 4650B1 3RC24F23114M

Funding in support of TI-02. Note: 10 U.S.C. 2410a Authority does NOT apply.
Funds expire 30 September 2014, or through the end date of the period of performance for CLIN 6000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2014, or through the end date of the period of performance for CLIN 6000, whichever occurs first.

600008 1300318631 10000.00

LLA :

B6 1721109 4650 310 67854 067443 2D 4650B1 3RC24F23114M

Funding in support of TI-04. Note: 10 U.S.C. 2410a Authority does NOT apply.
Funds expire 30 September 2014, or through the end date of the period of performance for CLIN 6000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2014, or through the end date of the period of performance for CLIN 6000, whichever occurs first.

600009 1300327467 10715.00

LLA :

C4 1731810 81DM 252 VU021 0 050120 2D 000000 A00001565895

Funding in support of TI-10. Note: 10 U.S.C. 2410a Authority does NOT apply.
Funds expire 23 September 2013, or through the end date of the period of performance for CLIN 6000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 23 September 2013, or through the end date of the period of performance for CLIN 6000, whichever occurs first.

600010 1300330623 10491.00

LLA :

B9 1731810 81DM 251 VU021 0 050120 2D 000000 A00001586186

Funding in support of TI-11. Note: 10 U.S.C. 2410a Authority does NOT apply.
Funds expire 23 September 2013, or through the end date of the period of performance for CLIN 6000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 23 September 2013, or through the end date of the period of performance for CLIN 6000, whichever occurs first.

MOD 07 Funding 348531.09
Cumulative Funding 1836188.14

MOD 08

400004 1300302706 (50000.00)

LLA :

A4 97X4930 NH1J 251 77777 0 050120 2F 000000 A00001383573

Standard Number: N0002411WX04973

Funding in support of TI-09. Note: 10 U.S.C. 2410a Authority does NOT apply.
Funds expire 30 September 2013, or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2013.

400019 1300345147 100000.00

LLA :

C1 1721109 4650 310 67854 067443 2D 4650B1 3RC24F23114M

Standard Number: M9545013RC24F23

Funding in support of TI-002. Note: 10 U.S.C. 2410a Authority does NOT apply.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 97 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

Funds expire 10 May 2014, or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period. FUNDS LIMITED TO AN/TPS-63 REFRESH ONLY.

400020 1300345147 100000.00

LLA :

C1 1721109 4650 310 67854 067443 2D 4650B1 3RC24F23114M

Standard Number: M9545013RC24F23

Funding in support of TI-004. Note: 10 U.S.C. 2410a Authority does NOT apply.

Funds expire 10 May 2014, or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period. FUNDS LIMITED TO AN/TPS-63 REFRESH ONLY.

600011 1300345147 10000.00

LLA :

C1 1721109 4650 310 67854 067443 2D 4650B1 3RC24F23114M

Standard Number: M9545013RC24F23

Funding in support of TI-004. Note: 10 U.S.C. 2410a Authority does NOT apply.

Funds expire 10 May 2014, or through the end date of the period of performance for CLIN 6000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period. FUNDS LIMITED TO AN/TPS-63 REFRESH ONLY.

MOD 08 Funding 160000.00

Cumulative Funding 1996188.14

MOD 09

400021 1300347814 50000.00

LLA :

C2 97X4930 NH1J 253 77777 0 050120 2F 000000 A10001709632

Standard Number: N0002411WX04973

Funding in support of TI-011. Note: 10 U.S.C. 2410a Authority does NOT apply.

Funds expire 30 September 2013, or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2013, or through the end date of the period of performance for CLIN 4000, whichever occurs first.

400022 1300330046 30000.00

LLA :

C3 1711810 81CC 310 VU021 0 050120 2D 000000 A00001582536

Standard Number: N0002411WX07003

Funding in support of TI-005. Note: 10 U.S.C. 2410a Authority does NOT apply.

Funds expire 30 September 2013, or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2013, or through the end date of the period of performance for CLIN 4000, whichever occurs first.

600012 1300347196 14370.00

LLA :

C5 1731319 A5BJ 252 WS020 0 050120 2D 000000 A00001705176

Standard Number: N0002413WX03123

Funding in support of TI-011. Note: 10 U.S.C. 2410a Authority does NOT apply.

Funds expire 23 September 2013, or through the end date of the period of performance for CLIN 6000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

MOD 09 Funding 94370.00

Cumulative Funding 2090558.14

MOD 10

400023 1300361191 29750.00

LLA :

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 98 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

C9 1731806 8D4D 251 WS020 0 050120 2D 000000 A00001798216

Standard Number: N0002413WX00974

Funding in support of TI-007. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2013 or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2013, or through the end date of the period of performance for CLIN 4000, whichever occurs first.

400024 1300364535 136000.00

LLA :

C6 1731319 M7KC 255 67854 067443 2D C30990 3RCR3CG5113N

Standard Number: M9545013RCR3CG5

Funding in support of TI-004. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2014, or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

420001 1300364535 242000.00

LLA :

C6 1731319 M7KC 255 67854 067443 2D C30990 3RCR3CG5113N

Standard Number: M9545013RCR3CG5

Funding in support of TI-004. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2014, or through the end date of the period of performance for CLIN 4200, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2014, or through the end date of the period of performance for CLIN 4200, whichever occurs first.

420002 1300364237 25000.00

LLA :

C7 97X4930 FC04 643 47GR 159999 01B010 00000 UJJONI 503000 HQ0104 FSR: 059844 PSR: C24 547 DSR: 144256 REFERENCE: SDN: F3QL043011G001

Standard Number: F3QL043011G001

Funding in support of TI-007. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 23 January 2014, or through the end date of the period of performance for CLIN 4200, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

NOTE: PERFORMANCE MAY NOT BEGIN UNTIL 24 SEPTEMBER 2013

420003 1300361968 20234.95

LLA :

C8 97X4930 NHLJ 251 77777 0 050120 2F 000000 A00001803223

Standard Number: N0002413WX09500

Funding in support of TI-007. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2014, or through the end date of the period of performance for CLIN 4200, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

NOTE: PERFORMANCE MAY NOT BEGIN UNTIL 24 SEPTEMBER 2013

420004 1300370029 80000.00

LLA :

C1 1721109 4650 310 67854 067443 2D 4650B1 3RC24F23114M

Standard Number: M9545013RC24F23

Funding in support of TI-007. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2014, or through the end date of the period of performance for CLIN 4200, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

NOTE: PERFORMANCE MAY NOT BEGIN UNTIL 24 SEPTEMBER 2013

620001 1300364535 10000.00

LLA :

C6 1731319 M7KC 255 67854 067443 2D C30990 3RCR3CG5113N

Standard Number: M9545013RCR3CG5

Funding in support of TI-004. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2014, or through the end date of the period of performance for CLIN 6200, whichever occurs first. Contractor may continue to

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 99 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	-------------------	-------

invoice after this date, but only for work performed during the applicable period.

NOTE: PERFORMANCE MAY NOT BEGIN UNTIL 24 SEPTEMBER 2

MOD 10 Funding 542984.95
Cumulative Funding 2633543.09

MOD 11

420005 1300378548 18446.00

LLA :

D1 97X4930 NH1J 251 77777 0 050120 2F 000000 A00001910166

Standard Number: N0003013WX00193

Funding in support of TI-008. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2014, or through the end date of the period of performance for CLIN 4200, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2014, or through the end date of the period of performance for CLIN 4200, whichever occurs first. Funding for MK5 MATLAB support.

420006 1300379911 50000.00

LLA :

C6 1731319 M7KC 255 67854 067443 2D C30990 3RCR3CG5113N

Standard Number: M9545013RCRCG5

Funding in support of TI-004. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2014, or through the end date of the period of performance for CLIN 4200, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2014, or through the end date of the period of performance for CLIN 4200, whichever occurs first.

420007 1300379829 50000.00

LLA :

D2 1731319 M7KC 255 67854 067443 2D C30990 3RCR3ER6113N

Standard Number: M9545013RCR3ER6

Funding in support of TI-004. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2014, or through the end date of the period of performance for CLIN 4200, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2014, or through the end date of the period of performance for CLIN 4200, whichever occurs first.

420009 1300347481 50159.00

LLA :

D4 1731804 8B2B 251 WS010 0 050120 2D 000000 A00001706596

Standard Number: N0002413WX04240

Funding in support of TI-010. Note: 10 U.S.C. 2410a Authority IS applicable. Contractor may incur costs for work performed against this SLIN for 365 days from effective date of above modification, or through the end date of the period of performance for CLIN 4200, whichever occurs first. Contractor may continue to invoice after the ending date, but only for work performed during the applicable period.

MOD 11 Funding 168605.00
Cumulative Funding 2802148.09

MOD 12

420010 1300379476 37931.00

LLA :

D5 1731319 A5BJ 251 WS020 0 050120 2D 000000 A00001918460

Standard Number: N0002413WX03123

Funding in support of TI-010. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2014, or through the end date of the period of performance for CLIN 4200 (23Sept2014), whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-04-D-4119	N00178-04-D-4119-FC37	50	100 of 141	

420011 1300381904 43467.00

LLA :

D6 1731319 A5BJ 251 WS020 0 050120 2D 000000 A00001948831

Standard Number: N0002413WX03123

Funding in support of TI-011. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2014, or through the end date of the period of performance for CLIN 4200 (23Sept2014), whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

420012 1300375872 180000.00

LLA :

D7 1731804 8C2C 251 WS020 0 050120 2D 000000 A00001886054

Standard Number: N0002413WX03048

Funding in support of TI-008. Note: 10 U.S.C. 2410a Authority IS applicable. Contractor may incur costs for work performed against this SLIN for 365 days from effective date of above modification, or through the end date of the period of performance for CLIN 4200 (23Sept2014), whichever occurs first. Contractor may continue to invoice after the ending date, but only for work performed during the applicable period.

420013 1300375872 49270.00

LLA :

D7 1731804 8C2C 251 WS020 0 050120 2D 000000 A00001886054

Standard Number: N000241WX03048

Funding in support of TI-008. Note: 10 U.S.C. 2410a Authority IS applicable. Contractor may incur costs for work performed against this SLIN for 365 days from effective date of above modification, or through the end date of the period of performance for CLIN 4200 (23Sept2014), whichever occurs first. Contractor may continue to invoice after the ending date, but only for work performed during the applicable period.

620002 1300379476 2000.00

LLA :

D5 1731319 A5BJ 251 WS020 0 050120 2D 000000 A00001918460

Standard Number: N0002413WX03123

Funding in support of TI-010. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2014, or through the end date of the period of performance for CLIN 6200 (23Sept2014), whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

620003 1300381904 2000.00

LLA :

D8 1731319 A5BJ 251 WS020 0 050120 2D 000000 A00001948831

Standard Number: N0002413WX03123

Funding in support of TI-011. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2014, or through the end date of the period of performance for CLIN 6200 (23Sept2014), whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

620004 1300381909 10491.00

LLA :

D9 1731810 81DM 251 VU021 0 050120 2D 000000 A00001949065

Standard Number: N0002413WX03668

Funding in support of TI-011. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2015, or through the end date of the period of performance for CLIN 6200 (23Sept2014), whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

MOD 12 Funding 325159.00

Cumulative Funding 3127307.09

MOD 13

420014 1300383581 65000.00

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 101 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	--------------------	-------

LLA :

E1 9730400 1102 5K3 12NC 603727 G 001I0 50640 63727D 503000F3LNPA3100GG03 F03000
Standard Number: F3LNPA3100GG03

Funding in support of TI-008. Note: 10 U.S.C. 2410a Authority does NOT apply.
Funds expire 30 September 2014, or through the end date of the period of performance for CLIN 4200, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2014, or through the end date of the period of performance for CLIN 4200, whichever occurs first.

MOD 13 Funding 65000.00
Cumulative Funding 3192307.09

MOD 14

400014 1300323006 (164355.01)

LLA :

B5 1731319 A5BJ 251 WS020 0 050120 2D 000000 A00001537298

Standard Number: N0002413WX03123

Funding in support of TI-011. Note: 10 U.S.C. 2410a Authority does NOT apply.
Funds expire 23 September 2013, or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 23 September 2013, or through the end date of the period of performance for CLIN 4000, whichever occurs first.

600006 1300323006 (34507.00)

LLA :

B5 1731319 A5BJ 252 WS020 0 050120 2D 000000 A00001537298

Standard Number: N0002413WX03123

Funding in support of TI-011. Note: 10 U.S.C. 2410a Authority does NOT apply.
Funds expire 23 September 2013, or through the end date of the period of performance for CLIN 6000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 23 September 2013, or through the end date of the period of performance for CLIN 6000, whichever occurs first.

600010 1300330623 (10491.00)

LLA :

B9 1731810 81DM 251 VU021 0 050120 2D 000000 A00001586186

Funding in support of TI-11. Note: 10 U.S.C. 2410a Authority does NOT apply.
Funds expire 23 September 2013, or through the end date of the period of performance for CLIN 6000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 23 September 2013, or through the end date of the period of performance for CLIN 6000, whichever occurs first.

600012 1300347196 (14370.00)

LLA :

C5 1731319 A5BJ 252 WS020 0 050120 2D 000000 A00001705176

Standard Number: N0002413WX03123

Funding in support of TI-011. Note: 10 U.S.C. 2410a Authority does NOT apply.
Funds expire 23 September 2013, or through the end date of the period of performance for CLIN 6000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

MOD 14 Funding -223723.01
Cumulative Funding 2968584.08

MOD 15

420015 1300388259 26146.00

LLA :

E2 1731319 A5BJ 251 WS020 0 050120 2D 000000 A00002010062

Funding in support of TI-10. Note: 10 U.S.C. 2410a Authority does NOT apply.
Funds expire 30 September 2014, or through the end date of the period of performance for CLIN 4200, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 102 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	--------------------	-------

September 2014, or through the end date of the period of performance for CLIN 4200, whichever occurs first. Engineering support for various microwave components.

420016 1300390044 1000000.00

LLA :

E3 1731109 4650 252 67854 067443 2D 465000 4RC34A92111V

Funding in support of TI-04. Note: 10 U.S.C. 2410a Authority does NOT apply.

Funds expire 31 October 2014, or through the end date of the period of performance for CLIN 4200, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 31 October 2014, or through the end date of the period of performance for CLIN 4200, whichever occurs first. Funding for the AN/TPS-59 Radar System.

MOD 15 Funding 1026146.00

Cumulative Funding 3994730.08

MOD 16

420017 130039046000001 75000.00

LLA :

E4 1741804 8B2B 251 WS010 0 050120 2D 000000 A00002029033

Standard Number: N0002414WX01415

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 16 Funding 75000.00

Cumulative Funding 4069730.08

MOD 17

420018 130039424600001 2000.00

LLA :

E5 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002055399

Standard Number: N0010414WX10002

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

420019 130039424600002 1100.00

LLA :

E7 97X4930 NH1J 251 77777 0 050120 2F 000000 A10002055399

Standard Number: N0010414WX10002

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

420020 130039424600003 2000.00

LLA :

E8 97X4930 NH1J 251 77777 0 050120 2F 000000 A20002055399

Standard Number: N0010414WX10002

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

420021 130039421400001 195000.00

LLA :

E6 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002054214

Standard Number: N0002414WX00965

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

620005 130039421400002 5000.00

LLA :

E6 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002054214

Standard Number: N0002414WX00965

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 103 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	--------------------	-------

may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 17 Funding 205100.00
Cumulative Funding 4274830.08

MOD 18

420022 130039766800001 7350.00

LLA :

E9 1741804 8J3H 251 WS090 0 050120 2D 000000 A00002078226

Standard Number: N0002414WX01383

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 18 Funding 7350.00
Cumulative Funding 4282180.08

MOD 19

420023 130040134100001 100000.00

LLA :

F1 1741319 A5BJ 251 WS020 0 050120 2D 000000 A00002106143

Standard Number: N0002414WX03500 (AA)

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

420024 130040129300001 11507.62

LLA :

F2 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002106273

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

420025 130039767800001 628000.00

LLA :

F3 1731319 M7KC 310 67854 067443 2D C30990 4RCR3FV8113N

Standard Number: M9545014RCR3FV8 (AA)

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

420026 130040097200001 100000.00

LLA :

F4 1741319 A5BJ 251 WS020 0 050120 2D 000000 A00002103276

Standard Number: N0002414WX03500 (AA)

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

420027 130039421800001 23000.00

LLA :

F5 1741804 8B2B 251 WS010 0 050120 2D 000000 A00002054471

Standard Number: N0002414WX01415 (AA)

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

420028 130040013200001 27000.00

LLA :

F6 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002097877

Standard Number: N0010413WX01915 (AA)

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-04-D-4119	N00178-04-D-4119-FC37	50	104 of 141	

420029 130039536900001 15000.00

LLA :

F7 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002062538

Standard Number: N0002414WX00965 (AA)

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

620006 130040134100002 5000.00

LLA :

F1 1741319 A5BJ 251 WS020 0 050120 2D 000000 A00002106143

Standard Number: N0002414WX03500 (AA)

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

620007 130039767800002 55000.00

LLA :

F3 1731319 M7KC 310 67854 067443 2D C30990 4RCR3FV8113N

Standard Number: M9545014RCR3FV8 (AA)

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

620008 130040097200002 25000.00

LLA :

F4 1741319 A5BJ 251 WS020 0 050120 2D 000000 A00002103276

Standard Number: N0002414WX03500 (AA)

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 19 Funding 989507.62

Cumulative Funding 5271687.70

MOD 20

420030 130040904200001 6095.00

LLA :

F8 1731810 A2DC 251 WS020 0 050120 2D 000000 A00002171879

Standard Number: N0002413WX06521 (AA)

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

420031 130040621500001 25409.95

LLA :

F9 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002148648

Standard Number: N0002414WX00965 (AA)

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

620009 130040621500002 2000.00

LLA :

F9 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002148648

Standard Number: N0002414WX00965 (AA)

Contractor may NOT perform against this SLIN after 23 Septmeber 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 20 Funding 33504.95

Cumulative Funding 5305192.65

MOD 21

420032 130041359100001 20000.00

LLA :

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-04-D-4119	N00178-04-D-4119-FC37	50	105 of 141	

G1 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002202434

Standard Number: N0002414WX00965 (AA)

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

420033 130040710900001 116492.56

LLA :

G2 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002157971

Standard Number: N0002414WX00965 (AA)

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

420034 130041205500001 18500.00

LLA :

G3 1741806 8D4D 251 WS020 0 050120 2D 000000 A00002192795

Standard Number: N0002414WX04415 (AA)

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

420035 130041939800001 63612.35

LLA :

C6 1731319 M7KC 255 67854 067443 2D C30990 3RCR3CG5113N

Standard Number: M9545013RCR3CG5 (AA)

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

420036 130041609600002 100545.00

LLA :

G4 1731319 A5BJ 251 WS020 0 050120 2D 000000 A10002221497

Standard Number: N0002413WX03123 (AA)

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

620010 130041359100002 5000.00

LLA :

G1 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002202434

Standard Number: N0002414WX00965 (AA)

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

620011 130040710900002 10000.00

LLA :

G2 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002157971

Standard Number: N0002414WX00965 (AA)

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 21 Funding 334149.91

Cumulative Funding 5639342.56

MOD 22

420037 130041609500002 17197.00

LLA :

G5 1731319 A5BJ 251 WS020 0 050120 2D 000000 A10002221398

Standard Number: N0002413WX03123 (AA)

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

420038 130043143700001 4328.00

LLA :

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 106 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	--------------------	-------

G6 97X4930 NH1J 253 77777 0 050120 2F 000000 A00002331708

Standard Number: N0010414WX01515 (AA)

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

420039 130042746500001 369847.00

LLA :

G7 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002308682

Standard Number: N0002414WX00790 (AA)

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 22 Funding 391372.00

Cumulative Funding 6030714.56

MOD 23

4202AA 130043545500002 23610.00

LLA :

G8 1731319 A5BJ 251 WS020 0 050120 2D 000000 A10002362317

Standard Number: N0002413WX03123 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4202AB 130043969400001 100000.00

LLA :

E3 1731109 4650 252 67854 067443 2D 465000 4RC34A92111V

Standard Number: M9545014RC34A92 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4202AC 130043785000001 770.00

LLA :

G9 97X4930 NH1J 253 77777 0 050120 2F 000000 A00002382228

Standard Number: F3QL043329G001 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4202AD 130043774800001 3000.00

LLA :

H1 1721611 1317 251 SH317 0 050120 2D 000000 A00002380421

Standard Number: N0002413WX04391 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4202AE 130044181300001 10000.00

LLA :

H2 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002408046

Standard Number: N0010413WX01915 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4202AF 130044170800001 8000.00

LLA :

H3 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002408090

Standard Number: N0010414WX01420 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

620003 130038190400004 (1952.15)

LLA :

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-04-D-4119	N00178-04-D-4119-FC37	50	107 of 141	

D8 1731319 A5BJ 251 WS020 0 050120 2D 000000 A00001948831
Standard Number: N0002413WX03123
Funding in support of TI-011. Note: 10 U.S.C. 2410a Authority does NOT apply.
Funds expire 30 September 2014, or through the end date of the period of
performance for CLIN 6200 (23Sept2014), whichever occurs first. Contractor may
continue to invoice after this date, but only for work performed during the
applicable period.

620004 130038190900001 (10491.00)

LLA :
D9 1731810 81DM 251 VU021 0 050120 2D 000000 A00001949065
Standard Number: N0002413WX03668

Funding in support of TI-011. Note: 10 U.S.C. 2410a Authority does NOT apply.
Funds expire 30 September 2015, or through the end date of the period of
performance for CLIN 6200 (23Sept2014), whichever occurs first. Contractor may
continue to invoice after this date, but only for work performed during the
applicable period.

620006 130040134100002 (5000.00)

LLA :
F1 1741319 A5BJ 251 WS020 0 050120 2D 000000 A00002106143
Standard Number: N0002414WX03500 (AA)

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor
may continue to invoice after this date, but only for work performed through and
including the aforementioned date.

620008 130040097200002 (13364.72)

LLA :
F4 1741319 A5BJ 251 WS020 0 050120 2D 000000 A00002103276
Standard Number: N0002414WX03500 (AA)

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor
may continue to invoice after this date, but only for work performed through and
including the aforementioned date.

MOD 23 Funding 114572.13
Cumulative Funding 6145286.69

MOD 24

4202AG 130044293100001 95000.00

LLA :
H4 1741109 4650 252 67854 067443 2D 465000 4RC44470111V
Standard Number: M9545014RC44470 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed
through and including the aforementioned date.

4202AH 130044439600001 28000.00

LLA :
H5 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002423697
Standard Number: N0002414WX01415 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed
through and including the aforementioned date.

4202AJ 130044659300001 15195.00

LLA :
H6 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002438824
Standard Number: N0010414WX01420 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed
through and including the aforementioned date.

4202AK 130044636700001 8000.00

LLA :
H7 1741804 8B2B 251 WS010 0 050120 2D 000000 A00002437063
Standard Number: N0002414WX01415 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-04-D-4119	N00178-04-D-4119-FC37	50	108 of 141	

through and including the aforementioned date.

4202AL 130044452800001 4500.00

LLA :

H8 1741804 8B2B 251 WS010 0 050120 2D 000000 A00002424317

Standard Number: N0002414WX01415 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401AA 130044474700001 150000.00

LLA :

H4 1741109 4650 252 67854 067443 2D 465000 4RC44470111V

Standard Number: M9545014RC44470 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401AB 130044621100001 35483.00

LLA :

J1 9740300 2520 PP_ SP68P _ FY14-A B- ADX02- FY1416-71AB- 251-HQ0006433384 044411

Standard Number: HQ0006433384 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401AC 130044621200001 30000.00

LLA :

J1 9740300 2520 PP_ SP68P _ FY14-A B- ADX02- FY1416-71AB- 251-HQ0006433384 044411

Standard Number: HQ0006433384 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

6202AA 130044452800002 500.00

LLA :

H8 1741804 8B2B 251 WS010 0 050120 2D 000000 A00002424317

Standard Number: N0002414WX01415 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

6202AB 130044683700001 17550.00

LLA :

H9 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002440334

Standard Number: N0002414WX03052 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

6401AA 130044474700002 25000.00

LLA :

H4 1741109 4650 252 67854 067443 2D 465000 4RC44470111V

Standard Number: M9545014RC44470 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

6401AB 130044621100002 5000.00

LLA :

J1 9740300 2520 PP_ SP68P _ FY14-A B- ADX02- FY1416-71AB- 251-HQ0006433384 044411

Standard Number: HQ0006433384 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

6401AC 130044621200002 5000.00

LLA :

J1 9740300 2520 PP_ SP68P _ FY14-A B- ADX02- FY1416-71AB- 251-HQ0006433384 044411

Standard Number: HQ0006433384 (AA)

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 109 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	--------------------	-------

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 24 Funding 419228.00
Cumulative Funding 6564514.69

MOD 25

4401AD 130044789000001 1952.16

LLA :

J2 1731319 A5BJ 251 WS020 0 050120 2D 000000 A00002455425

Standard Number: N0002413WX03123 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401AE 130045369700001 5488.00

LLA :

J3 1741804 8B2B 251 WS010 0 050120 2D 000000 A00002498682

Standard Number: N0002414WX01415 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401AF 130045045300001 10491.00

LLA :

J4 1731810 81DM 251 VU021 0 050120 2D 000000 A00002465357

Standard Number: N0002413WX03668 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401AG 130045404900001 14285.71

LLA :

J5 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002503719

Standard Number: N0010414WX10003 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401AH 130045404600001 18000.00

LLA :

J6 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002503714

Standard Number: M9545014WR34A91 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401AJ 130045354900001 17935.00

LLA :

J7 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002497442

Standard Number: N0010414WX01515 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401AK 130045305700001 10000.00

LLA :

J8 97X4930 NH1J 253 77777 0 050120 2F 000000 A00002491799

Standard Number: M9545014WR44469 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401AL 130044125900001 12501.00

LLA :

J9 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002402801

Standard Number: N0002414WX05581 (AA)

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-04-D-4119	N00178-04-D-4119-FC37	50	110 of 141	

2410(a) funds expire for this SLIN 365 days from effective date of above modification, or through 23 September 2015, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

4401AM 130044075300001 75000.00

LLA :

K1 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002399714

Standard Number: N0002414WX07701 (AA)

2410(a) funds expire for this SLIN 365 days from effective date of above modification, or through 23 September 2015, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

4401AN 130043934700001 65000.00

LLA :

K2 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002392321

Standard Number: N0002414WX07701 (AA)

2410(a) funds expire for this SLIN 365 days from effective date of above modification, or through 23 September 2015, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

4401AP 130043926800001 180000.00

LLA :

K3 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002391857

Standard Number: N0002414WX07701 (AA)

2410(a) funds expire for this SLIN 365 days from effective date of above modification, or through 23 September 2015, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

6401AD 130043934700002 5000.00

LLA :

K2 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002392321

Standard Number: N0002414WX07701 (AA)

2410(a) funds expire for this SLIN 365 days from effective date of above modification, or through 23 September 2015, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

6401AE 130043926800002 20000.00

LLA :

K3 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002391857

Standard Number: N0002414WX07701 (AA)

2410(a) funds expire for this SLIN 365 days from effective date of above modification, or through 23 September 2015, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

MOD 25 Funding 435652.87

Cumulative Funding 7000167.56

MOD 26

420039 130042746500001 (161143.00)

LLA :

G7 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002308682

Standard Number: N0002414WX00790 (AA)

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401AQ 130045081000001 10000.00

LLA :

K4 1731810 81DM 251 VU021 0 050120 2D 000000 A00002469019

Standard Number: N0002413WX09906 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 111 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	--------------------	-------

through and including the aforementioned date.

4401AR 130044909600001 2947.00

LLA :

K5 1741804 8B2B 251 WS010 0 050120 2D 000000 A00002455324

Standard Number: N0002414WX01415 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401AS 130045311200001 37896.00

LLA :

K6 1741810 A2DC 251 WS020 0 050120 2D 000000 A00002491974

Standard Number: N0002414WX06233 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401AT 130045116500001 23000.00

LLA :

K7 1741611 1224 251 SH400 0 050120 2D 000000 A00002471724

Standard Number: N0002414WX08183 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

6401AF 130045311200002 2104.00

LLA :

K6 1741810 A2DC 251 WS020 0 050120 2D 000000 A00002491974

Standard Number: N0002414WX06233 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

6401AG 130045116500002 2000.00

LLA :

K7 1741611 1224 251 SH400 0 050120 2D 000000 A00002471724

Standard Number: N0002414WX08183 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 26 Funding -83196.00

Cumulative Funding 6916971.56

MOD 27

4401AU 130045674200001 161143.00

LLA :

K8 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002528113

Standard Number: N0002414WX00790 (AA)

2410(a) funds expire for this SLIN 365 days from effective date of above modification, or 23 September 2015 whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

4401AV 130044108200001 12501.00

LLA :

K9 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002401474

Standard Number: N0002414WX05581 (AA)

2410(a) funds expire for this SLIN 365 days from effective date of above modification, or 23 September 2015 whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

MOD 27 Funding 173644.00

Cumulative Funding 7090615.56

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 112 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	--------------------	-------

MOD 28

4401AW 130045095800001 26816.00

LLA :

E1 9730400 1102 5K3 12NC 603727 G 001I0 50640 63727D 503000F3LNPA3100GG03 F03000

Standard Number: F3LNPA3100GG03 (AB)

2410(a) funds expire for this SLIN 365 days from effective date of above modification, or 23 September 2015 whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

6401AH 130045095800002 11000.00

LLA :

E1 9730400 1102 5K3 12NC 603727 G 001I0 50640 63727D 503000F3LNPA3100GG03 F03000

Standard Number: F3LNPA3100GG03 (AB)

2410(a) funds expire for this SLIN 365 days from effective date of above modification, or 23 September 2015, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

MOD 28 Funding 37816.00

Cumulative Funding 7128431.56

MOD 29

4401AX 130045917700001 200000.00

LLA :

L1 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002560320

Standard Number: M9545014WR34A91 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401AY 130045444000001 50000.00

LLA :

L2 1741611 1224 251 SH400 0 050120 2D 000000 A00002506084

Standard Number: N0002414WX08183 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401AZ 130045965900001 1128.00

LLA :

L3 97X4930 NH1J 253 77777 0 050120 2F 000000 A00002565374

Standard Number: N0010415WX10017 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 29 Funding 251128.00

Cumulative Funding 7379559.56

MOD 30

4401BA 130045959200001 13766.59

LLA :

L4 1741319 A5BJ 251 WS020 0 050120 2D 000000 A00002563731

Standard Number: N0002414WX03500 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401BB 130045979500001 75000.00

LLA :

L5 1751804 8B2B 251 WS010 0 050120 2D 000000 A00002567072

Standard Number: N0002415WX01061 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 113 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	--------------------	-------

through and including the aforementioned date.

4401BC 130045987100001 75000.00

LLA :

L6 1751804 8B2B 251 WS010 0 050120 2D 000000 A00002567273

Standard Number: N0002415WX01061 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401BD 130046122800001 42000.00

LLA :

L7 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002582628

Standard Number: N0010415WX10018 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401BE 130045794000001 93630.00

LLA :

L8 1741611 1224 251 SH400 0 050120 2D 000000 A00002545298

Standard Number: N0002414WX08183 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401BF 130046517400001 75000.00

LLA :

L9 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002618473

Standard Number: M9545014WR34A91 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 30 Funding 374396.59

Cumulative Funding 7753956.15

MOD 31

4401BG 130045801900001 75000.00

LLA :

M1 1741611 1224 251 SH400 0 050120 2D 000000 A00002545575

Standard Number: N0002414WX08183 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401BH 130046544300001 42124.19

LLA :

M2 1751804 8C2C 251 WS020 0 050120 2D 000000 A00002620737

Standard Number: N0002415WX01423 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401BJ 130046638300001 7210.00

LLA :

M3 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002628271

Standard Number: N0010415WX10022 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401BK 130046755100001 122000.00

LLA :

M5 1741319 M7KC 252 67854 067443 2D C30990 5RCR4FW5113N

Standard Number: M9545015RCR4FW5 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 114 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	--------------------	-------

through and including the aforementioned date.

6401AJ 130046544300002 10000.00

LLA :

M2 1751804 8C2C 251 WS020 0 050120 2D 000000 A00002620737

Standard Number: N0002415WX01423 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed
through and including the aforementioned date.

6401AK 130046714800001 38000.00

LLA :

M4 97X4930 NH1J 252 77777 0 050120 2F 000000 A00002635664

Standard Number: N0002414WX05679 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed
through and including the aforementioned date.

MOD 31 Funding 294334.19

Cumulative Funding 8048290.34

MOD 32

4401BL 130046676000001 5847.00

LLA :

M6 1751806 8D4D 251 WS020 0 050120 2D 000000 A00002632938

Standard Number: N0002415WX01895 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed
through and including the aforementioned date.

4401BM 130046733400001 37115.90

LLA :

M7 1751804 8C2C 251 WS020 0 050120 2D 000000 A00002636059

Standard Number: N0002415WX01402 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed
through and including the aforementioned date.

4401BN 130046767200001 7759.46

LLA :

M8 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002638377

Standard Number: N0002415WX01412 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed
through and including the aforementioned date.

4401BP 130046792200001 2884.10

LLA :

M9 1751804 8C2C 251 WS020 0 050120 2D 000000 A00002640463

Standard Number: N0002415WX01423 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed
through and including the aforementioned date.

4401BQ 130046795100001 6790.00

LLA :

N1 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002640401

Standard Number: N0002415WX01412 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed
through and including the aforementioned date.

4401BR 130046795200001 17459.00

LLA :

N2 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002640642

Standard Number: N0002415WX01402 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-04-D-4119	N00178-04-D-4119-FC37	50	115 of 141	

through and including the aforementioned date.

4401BS 130046877800001 20368.57

LLA :

N3 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002647780

Standard Number: N0002415WX20164 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401BT 130046700500001 14558.00

LLA :

N4 1741611 1224 251 SH400 0 050120 2D 000000 A00002634047

Standard Number: N0002414WX08183 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401BU 130047050500001 50000.00

LLA :

N5 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002663599

Standard Number: N0010415WX50802 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401BV 130046942800001 26050.00

LLA :

N6 1741810 A2DC 251 WS020 0 050120 2D 000000 A00002654328

Standard Number: N0002414WX06233 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401BW 130047143100001 400000.00

LLA :

N7 1751109 4650 252 67854 067443 2D 465000 5RC54108141V

Standard Number: M9545015RC54108 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

6401AL 130046942800002 5342.00

LLA :

N6 1741810 A2DC 251 WS020 0 050120 2D 000000 A00002654328

Standard Number: N0002414WX06233 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

6401AM 130047143100002 25000.00

LLA :

N7 1751109 4650 252 67854 067443 2D 465000 5RC54108141V

Standard Number: M9545015RC54108 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 32 Funding 619174.03

Cumulative Funding 8667464.37

MOD 33

4401BX 130047291500001 350000.00

LLA :

N7 1751109 4650 252 67854 067443 2D 465000 5RC54108141V

Standard Number: M9545015RC54108 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 116 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	--------------------	-------

through and including the aforementioned date.

6401AN 130047291500002 25000.00

LLA :

N7 1751109 4650 252 67854 067443 2D 465000 5RC54108141V

Standard Number: M9545015RC54108 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 33 Funding 375000.00

Cumulative Funding 9042464.37

MOD 34

4401BY 130047540900001 5000.00

LLA :

N8 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002705590

Standard Number: N0002414WX03052 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401BZ 130047549200001 5000.00

LLA :

N9 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002705742

Standard Number: N0002414WX02415 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401CA 130047543900001 30000.00

LLA :

P1 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002705438

Standard Number: N0002415WX01299 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

6401AP 130047482200001 7000.00

LLA :

P2 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002700036

Standard Number: N0002415WX01061 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 34 Funding 47000.00

Cumulative Funding 9089464.37

MOD 35

4401CB 130047622300001 35609.85

LLA :

P3 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002711169

Standard Number: F3QL045005J001 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401CC 130047707700001 10718.00

LLA :

P4 1751804 70BA 257 00070 R 045924 2D CN1066 0007051066NP

Standard Number: N0007015RCN1066 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-04-D-4119	N00178-04-D-4119-FC37	50	117 of 141	

4401CD 130047835600001 25029.92

LLA :

P5 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002727665

Standard Number: N0002415WX01061 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 35 Funding 71357.77

Cumulative Funding 9160822.14

MOD 36

4401CE 130048597500001 68000.00

LLA :

P6 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002783197

Standard Number: N0002415PX00017 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401CF 130047907300001 186000.00

LLA :

P7 1751804 8C2C 251 WS020 0 050120 2D 000000 A00002731880

Standard Number: N0002415WX01299 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401CG 130047981700001 60000.00

LLA :

P8 1751319 A5DR 251 WS020 0 050120 2D 000000 A00002737543

Standard Number: N0002415WX04763 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401CH 130048739100001 75000.00

LLA :

P9 97X4930 NH1J 253 77777 0 050120 2F 000000 A00002792787

Standard Number: N0002415WX01402 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401CJ 130048110600001 100000.00

LLA :

Q1 1751804 8C2C 251 WS020 0 050120 2D 000000 A00002749236

Standard Number: N0002415WX03288 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401CK 130048110600002 50000.00

LLA :

Q1 1751804 8C2C 251 WS020 0 050120 2D 000000 A00002749236

Standard Number: N0002415WX03288 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401CL 130048157100001 75000.00

LLA :

Q2 1751804 8B2B 251 WS010 0 050120 2D 000000 A00002752058

Standard Number: N0002415WX01061 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-04-D-4119	N00178-04-D-4119-FC37	50	118 of 141	

6401AQ 130047981700002 15000.00

LLA :

P8 1751319 A5DR 251 WS020 0 050120 2D 000000 A00002737543

Standard Number: N0002415WX04763 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

6401AR 130048157100002 6000.00

LLA :

Q2 1751804 8B2B 251 WS010 0 050120 2D 000000 A00002752058

Standard Number: N0002415WX01061 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 36 Funding 635000.00

Cumulative Funding 9795822.14

MOD 37

4401CM 130049127600001 25235.00

LLA :

Q3 97X4930 NH1J 253 77777 0 050120 2F 000000 A20002822627

Standard Number: N0002415WX01061 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401CN 130049179100001 200000.00

LLA :

Q4 1751109 4650 252 67854 067443 2D 465000 5RC54295141V

Standard Number: M9545015RC54295 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401CP 130049283900001 33000.00

LLA :

Q5 97X4930 NH1J 253 77777 0 050120 2F 000000 A00002834712

Standard Number: N0002415WX01423 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

6401AS 130049179100002 25000.00

LLA :

Q4 1751109 4650 252 67854 067443 2D 465000 5RC54295141V

Standard Number: M9545015RC54295 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 37 Funding 283235.00

Cumulative Funding 10079057.14

MOD 38

4401CQ 130049397600001 15000.00

LLA :

Q6 97X4930 NH1J 253 77777 0 050120 2F 000000 A00002842008

Standard Number: N0010414WX03408 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401CR 130049811300001 14000.00

LLA :

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-04-D-4119	N00178-04-D-4119-FC37	50	119 of 141	

Q7 1751319 W7KY 251 00014 0 050120 2D 000000 A00002871304

Standard Number: N0001415PR00888

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401CS 130049990500001 1500.00

LLA :

Q8 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002884519

Standard Number: N5005415WRL0124 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401CT 130049423200001 33458.00

LLA :

Q9 1751810 A2CG 251 WS090 0 050120 2D 000000 A00002843168

Standard Number: N0002415WX06308 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401CU 130050010500001 40000.00

LLA :

R1 1751804 8C2C 251 WS020 0 050120 2D 000000 A00002885759

Standard Number: N0002415WX01423 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401CV 130050010500002 9000.00

LLA :

R1 1751804 8C2C 251 WS020 0 050120 2D 000000 A00002885759

Standard Number: N0002415WX01423 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401CW 130050010500003 14000.00

LLA :

R1 1751804 8C2C 251 WS020 0 050120 2D 000000 A00002885759

Standard Number: N0002415WX01423 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401CX 130049973300001 20000.00

LLA :

R2 1751804 60BA 257 50054 R 068732 2D CX0338 500545D0610P

Standard Number: N5005415RCX0338 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 38 Funding 146958.00

Cumulative Funding 10226015.14

MOD 39

4401CY 130049741400001 1803.00

LLA :

R3 1751810 A2DC 251 WS020 0 050120 2D 000000 A00002866292

Standard Number: N0002415WX05098 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401CZ 130050848700001 54126.38

LLA :

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-04-D-4119	N00178-04-D-4119-FC37	50	120 of 141	

R5 1751804 8C2C 251 WS020 0 050120 2D 000000 A00002941809

Standard Number: N0002415WX03288 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401DA 130051043500001 8343.01

LLA :

R6 1791811 1317 310 WXWTZ 0 068342 2D 000000 23182900002A

Standard Number: N0002410WX21043 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401DB 130051088100001 27000.00

LLA :

R7 1751804 8B2B 251 45534 0 050120 2D 000000 A00002956235

Standard Number: N4553415WX00046 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401DC 130051275800001 125000.00

LLA :

R8 1741109 4650 252 67854 067443 2D 465000 5RC44D52111V

Standard Number: M9545015RC44D52 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

6401AT 130050123600001 11500.00

LLA :

R4 97X4930 NH1J 252 77777 0 050120 2F 000000 A00002894635

Standard Number: N0002415WX01423 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

6401AU 130050848700002 29874.11

LLA :

R5 1751804 8C2C 251 WS020 0 050120 2D 000000 A00002941809

Standard Number: N0002415WX03288 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

6401AV 130051275800002 11278.40

LLA :

E3 1731109 4650 252 67854 067443 2D 465000 4RC34A92111V

Standard Number: M9545014RC34A92 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 39 Funding 268924.90

Cumulative Funding 10494940.04

MOD 40

4401DD 130051180100001 33000.00

LLA :

R9 1751611 1224 251 SH400 0 050120 2D 000000 A00002963022

Standard Number: N0002415WX06629 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401DE 130051448100001 13500.00

LLA :

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-04-D-4119	N00178-04-D-4119-FC37	50	121 of 141	

S1 1741611 1224 251 SH400 0 050120 2D 000000 A00002979658

Standard Number: N0002414WX08183 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401DF 130052015400001 6000.00

LLA :

S2 1751806 8D4D 251 WS020 0 050120 2D 000000 A00003018662

Standard Number: N0002415WX01895 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 40 Funding 52500.00

Cumulative Funding 10547440.04

MOD 41

4401DG 130050010500004 5000.00

LLA :

R1 1751804 8C2C 251 WS020 0 050120 2D 000000 A00002885759

Standard Number: N0002415WX01423 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401DH 130050416600001 5000.00

LLA :

S3 1741611 1224 251 SH400 0 050120 2D 000000 A00002912503

Standard Number: N0002414WX08183 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 41 Funding 10000.00

Cumulative Funding 10557440.04

MOD 42 Funding 0.00

Cumulative Funding 10557440.04

MOD 43 Funding 0.00

Cumulative Funding 10557440.04

MOD 44

4401CN 130049179100001 (16976.96)

LLA :

Q4 1751109 4650 252 67854 067443 2D 465000 5RC54295141V

Standard Number: M9545015RC54295 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401DC 130051275800001 (125000.00)

LLA :

R8 1741109 4650 252 67854 067443 2D 465000 5RC44D52111V

Standard Number: M9545015RC44D52 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 44 Funding -141976.96

Cumulative Funding 10415463.08

MOD 45

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-04-D-4119	N00178-04-D-4119-FC37	50	122 of 141	

6401AP 130047482200001 (3152.26)

LLA :

P2 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002700036

Standard Number: N0002415WX01061 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

6401AR 130048157100002 (6000.00)

LLA :

Q2 1751804 8B2B 251 WS010 0 050120 2D 000000 A00002752058

Standard Number: N0002415WX01061 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 45 Funding -9152.26

Cumulative Funding 10406310.82

MOD 46

6401AQ 130047981700002 (9329.18)

LLA :

P8 1751319 A5DR 251 WS020 0 050120 2D 000000 A00002737543

Standard Number: N0002415WX04763 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 46 Funding -9329.18

Cumulative Funding 10396981.64

MOD 47 Funding 0.00

Cumulative Funding 10396981.64

MOD 48

400015 130031863100001 (9.23)

LLA :

B6 1721109 4650 310 67854 067443 2D 4650B1 3RC24F23114M

Funding in support of TI-02. Note: 10 U.S.C. 2410a Authority does NOT apply.

Funds expire 30 September 2014, or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2014, or through the end date of the period of performance for CLIN 4000, whichever occurs first.

400018 130032746700001 (9688.98)

LLA :

B8 1731810 81DM 251 VU021 0 050120 2D 000000 A00001565895

Funding in support of TI-10. Note: 10 U.S.C. 2410a Authority does NOT apply.

Funds expire 23 September 2013, or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 23 September 2013, or through the end date of the period of performance for CLIN 4000, whichever occurs first.

400019 130034514700001 (384.00)

LLA :

C1 1721109 4650 310 67854 067443 2D 4650B1 3RC24F23114M

Standard Number: M9545013RC24F23

Funding in support of TI-002. Note: 10 U.S.C. 2410a Authority does NOT apply.

Funds expire 10 May 2014, or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period. FUNDS LIMITED TO AN/TPS-63 REFRESH ONLY.

400022 130033004600001 (30000.00)

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-04-D-4119	N00178-04-D-4119-FC37	50	123 of 141	

LLA :

C3 1711810 81CC 310 VU021 0 050120 2D 000000 A00001582536
Standard Number: N0002411WX07003
Funding in support of TI-005. Note: 10 U.S.C. 2410a Authority does NOT apply.
Funds expire 30 September 2013, or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2013, or through the end date of the period of performance for CLIN 4000, whichever occurs first.

400023 130036119100001 (1985.74)

LLA :

C9 1731806 8D4D 251 WS020 0 050120 2D 000000 A00001798216
Standard Number: N0002413WX00974
Funding in support of TI-007. Note: 10 U.S.C. 2410a Authority does NOT apply.
Funds expire 30 September 2013 or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2013, or through the end date of the period of performance for CLIN 4000, whichever occurs first.

400024 130036453500001 (2576.61)

LLA :

C6 1731319 M7KC 255 67854 067443 2D C30990 3RCR3CG51113N
Standard Number: M9545013RCR3CG5
Funding in support of TI-004. Note: 10 U.S.C. 2410a Authority does NOT apply.
Funds expire 30 September 2014, or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

420037 130041609500002 (5264.26)

LLA :

G5 1731319 A5BJ 251 WS020 0 050120 2D 000000 A10002221398
Standard Number: N0002413WX03123 (AA)
Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4202AJ 130044659300001 (4535.62)

LLA :

H6 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002438824
Standard Number: N0010414WX01420 (AA)
Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4202AL 130044452800001 (273.59)

LLA :

H8 1741804 8B2B 251 WS010 0 050120 2D 000000 A00002424317
Standard Number: N0002414WX01415 (AA)
Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401AQ 130045081000001 (8912.56)

LLA :

K4 1731810 81DM 251 VU021 0 050120 2D 000000 A00002469019
Standard Number: N0002413WX09906 (AA)
Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401AT 130045116500001 (3201.07)

LLA :

K7 1741611 1224 251 SH400 0 050120 2D 000000 A00002471724
Standard Number: N0002414WX08183 (AA)
Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-04-D-4119	N00178-04-D-4119-FC37	50	124 of 141	

4401CH 130048739100001 (4392.74)

LLA :

P9 97X4930 NH1J 253 77777 0 050120 2F 000000 A00002792787

Standard Number: N0002415WX01402 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401CP 130049283900001 (6504.66)

LLA :

Q5 97X4930 NH1J 253 77777 0 050120 2F 000000 A00002834712

Standard Number: N0002415WX01423 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401CQ 130049397600001 (15000.00)

LLA :

Q6 97X4930 NH1J 253 77777 0 050120 2F 000000 A00002842008

Standard Number: N0010414WX03408 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401DB 130051088100001 (18223.84)

LLA :

R7 1751804 8B2B 251 45534 0 050120 2D 000000 A00002956235

Standard Number: N4553415WX00046 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401DE 130051448100001 (6521.10)

LLA :

S1 1741611 1224 251 SH400 0 050120 2D 000000 A00002979658

Standard Number: N0002414WX08183 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4401DG 130050010500004 (5000.00)

LLA :

R1 1751804 8C2C 251 WS020 0 050120 2D 000000 A00002885759

Standard Number: N0002415WX01423 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

600004 130032300700002 (25543.03)

LLA :

B3 1731319 A5BJ 252 WS020 0 050120 2D 000000 A00001537516

Standard Number: N0002413WX03123

Funding in support of TI-010. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 23 September 2013, or through the end date of the period of performance for CLIN 6000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 23 September 2013, or through the end date of the period of performance for CLIN 6000, whichever occurs first.

600007 130031863100002 (8003.46)

LLA :

B6 1721109 4650 310 67854 067443 2D 4650B1 3RC24F23114M

Funding in support of TI-02. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2014, or through the end date of the period of performance for CLIN 6000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2014, or through the end date of the period of performance for CLIN 6000, whichever occurs first.

600008 130031863100004 (8192.35)

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-04-D-4119	N00178-04-D-4119-FC37	50	125 of 141	

LLA :

B6 1721109 4650 310 67854 067443 2D 4650B1 3RC24F23114M

Funding in support of TI-04. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2014, or through the end date of the period of performance for CLIN 6000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2014, or through the end date of the period of performance for CLIN 6000, whichever occurs first.

600009 130032746700002 (10715.00)

LLA :

C4 1731810 81DM 252 VU021 0 050120 2D 000000 A00001565895

Funding in support of TI-10. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 23 September 2013, or through the end date of the period of performance for CLIN 6000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 23 September 2013, or through the end date of the period of performance for CLIN 6000, whichever occurs first.

600011 130034514700003 (10000.00)

LLA :

C1 1721109 4650 310 67854 067443 2D 4650B1 3RC24F23114M

Standard Number: M9545013RC24F23

Funding in support of TI-004. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 10 May 2014, or through the end date of the period of performance for CLIN 6000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period. FUNDS LIMITED TO AN/TPS-63 REFRESH ONLY.

620005 130039421400002 (4401.60)

LLA :

E6 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002054214

Standard Number: N0002414WX00965

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

620008 130040097200002 (534.78)

LLA :

F4 1741319 A5BJ 251 WS020 0 050120 2D 000000 A00002103276

Standard Number: N0002414WX03500 (AA)

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

620011 130040710900002 (10000.00)

LLA :

G2 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002157971

Standard Number: N0002414WX00965 (AA)

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

6202AA 130044452800002 (500.00)

LLA :

H8 1741804 8B2B 251 WS010 0 050120 2D 000000 A00002424317

Standard Number: N0002414WX01415 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

6401AC 130044621200002 (3392.32)

LLA :

J1 9740300 2520 PP_SP68P_FY14-A B- ADX02- FY1416-71AB- 251-HQ0006433384 044411

Standard Number: HQ0006433384 (AA)

Contractor may NOT perform against this SLIN after POP date shown in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

6401AD 130043934700002 (1431.10)

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 126 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	--------------------	-------

LLA :

K2 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002392321
Standard Number: N0002414WX07701 (AA)
2410(a) funds expire for this SLIN 365 days from effective date of above
modification, or through 23 September 2015, whichever occurs first. Contractor may
continue to invoice after this date, but only for work performed during the
applicable period.

6401AG 130045116500002 (2000.00)

LLA :

K7 1741611 1224 251 SH400 0 050120 2D 000000 A00002471724
Standard Number: N0002414WX08183 (AA)
Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed
through and including the aforementioned date.

6401AJ 130046544300002 (6967.39)

LLA :

M2 1751804 8C2C 251 WS020 0 050120 2D 000000 A00002620737
Standard Number: N0002415WX01423 (AA)
Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed
through and including the aforementioned date.

6401AS 130049179100002 (5430.10)

LLA :

Q4 1751109 4650 252 67854 067443 2D 465000 5RC54295141V
Standard Number: M9545015RC54295 (AA)
Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed
through and including the aforementioned date.

6401AU 130050848700002 (1408.42)

LLA :

R5 1751804 8C2C 251 WS020 0 050120 2D 000000 A00002941809
Standard Number: N0002415WX03288 (AA)
Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed
through and including the aforementioned date.

6401AV 130051275800002 (11278.40)

LLA :

E3 1731109 4650 252 67854 067443 2D 465000 4RC34A92111V
Standard Number: M9545014RC34A92 (AA)
Contractor may NOT perform against this SLIN after POP date shown in Section F.
Contractor may continue to invoice after this date, but only for work performed
through and including the aforementioned date.

MOD 48 Funding -232271.95
Cumulative Funding 10164709.69

MOD 49

400007 130032023900001 (47842.90)

LLA :

A7 1731804 8C2C 252 WS020 0 050120 2D 000000 A00001523335
Standard Number: N0002413WX03048
Funding in support of TI-01. Note: 10 U.S.C. 2410a Authority does NOT apply.
Funds expire 23 September 2013, or through the end date of the period of
performance for CLIN 4000, whichever occurs first. Contractor may continue to
invoice after this date, but only for work performed up through and including 23
September 2013.

400008 130032129200001 (24658.29)

LLA :

A8 1731804 8C2C 251 WS020 0 050120 2D 000000 A10001527626
Standard Number: N0002413WX00982
Funding in support of TI-01. Note: 10 U.S.C. 2410a Authority does NOT apply.
Funds expire 23 September 2013, or through the end date of the period of

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 127 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	--------------------	-------

performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 23 September 2013.

400021 130034781400001 (3761.22)

LLA :

C2 97X4930 NH1J 253 77777 0 050120 2F 000000 A10001709632

Standard Number: N0002411WX04973

Funding in support of TI-011. Note: 10 U.S.C. 2410a Authority does NOT apply.

Funds expire 30 September 2013, or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2013, or through the end date of the period of performance for CLIN 4000, whichever occurs first.

400023 130036119100001 (1574.11)

LLA :

C9 1731806 8D4D 251 WS020 0 050120 2D 000000 A00001798216

Standard Number: N0002413WX00974

Funding in support of TI-007. Note: 10 U.S.C. 2410a Authority does NOT apply.

Funds expire 30 September 2013 or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2013, or through the end date of the period of performance for CLIN 4000, whichever occurs first.

600001 130032023900002 (2522.54)

LLA :

A7 1731804 8C2C 252 WS020 0 050120 2D 000000 A00001523335

Standard Number: N0002413WX03048

Funding in support of TI-01. Note: 10 U.S.C. 2410a Authority does NOT apply.

Funds expire 23 September 2013, or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 23 September 2013.

600002 130032129200002 (3060.19)

LLA :

A8 1731804 8C2C 252 WS020 0 050120 2D 000000 A10001527626

Standard Number: N0002413WX00982

Funding in support of TI-01. Note: 10 U.S.C. 2410a Authority does NOT apply.

Funds expire 23 September 2013, or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 23 September 2013.

MOD 49 Funding -83419.25

Cumulative Funding 10081290.44

MOD 50

400015 130031863100001 (1914.60)

LLA :

B6 1721109 4650 310 67854 067443 2D 4650B1 3RC24F23114M

Funding in support of TI-02. Note: 10 U.S.C. 2410a Authority does NOT apply.

Funds expire 30 September 2014, or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2014, or through the end date of the period of performance for CLIN 4000, whichever occurs first.

400019 130034514700001 (910.01)

LLA :

C1 1721109 4650 310 67854 067443 2D 4650B1 3RC24F23114M

Standard Number: M9545013RC24F23

Funding in support of TI-002. Note: 10 U.S.C. 2410a Authority does NOT apply.

Funds expire 10 May 2014, or through the end date of the period of performance for CLIN 4000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period. FUNDS LIMITED TO

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-04-D-4119	N00178-04-D-4119-FC37	50	128 of 141	

AN/TPS-63 REFRESH ONLY.

420014 130038358100001 (12052.76)
 LLA :
 E1 9730400 1102 5K3 12NC 603727 G 001I0 50640 63727D 503000F3LNPA3100GG03 F03000
 Standard Number: F3LNPA3100GG03
 Funding in support of TI-008. Note: 10 U.S.C. 2410a Authority does NOT apply.
 Funds expire 30 September 2014, or through the end date of the period of
 performance for CLIN 4200, whichever occurs first. Contractor may continue to
 invoice after this date, but only for work performed up through and including 30
 September 2014, or through the end date of the period of performance for CLIN 4200,
 whichever occurs first.

420033 130040710900001 (8511.52)
 LLA :
 G2 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002157971
 Standard Number: N0002414WX00965 (AA)
 Contractor may NOT perform against this SLIN after 23 September 2014. Contractor
 may continue to invoice after this date, but only for work performed through and
 including the aforementioned date.

420037 130041609500002 (417.59)
 LLA :
 G5 1731319 A5BJ 251 WS020 0 050120 2D 000000 A10002221398
 Standard Number: N0002413WX03123 (AA)
 Contractor may NOT perform against this SLIN after 23 September 2014. Contractor
 may continue to invoice after this date, but only for work performed through and
 including the aforementioned date.

420039 130042746500001 (2162.29)
 LLA :
 G7 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002308682
 Standard Number: N0002414WX00790 (AA)
 Contractor may NOT perform against this SLIN after 23 September 2014. Contractor
 may continue to invoice after this date, but only for work performed through and
 including the aforementioned date.

4202AK 130044636700001 (3593.37)
 LLA :
 H7 1741804 8B2B 251 WS010 0 050120 2D 000000 A00002437063
 Standard Number: N0002414WX01415 (AA)
 Contractor may NOT perform against this SLIN after POP date shown in Section F.
 Contractor may continue to invoice after this date, but only for work performed
 through and including the aforementioned date.

4401CH 130048739100001 (1013.09)
 LLA :
 P9 97X4930 NH1J 253 77777 0 050120 2F 000000 A00002792787
 Standard Number: N0002415WX01402 (AA)
 Contractor may NOT perform against this SLIN after POP date shown in Section F.
 Contractor may continue to invoice after this date, but only for work performed
 through and including the aforementioned date.

4401CP 130049283900001 (2509.95)
 LLA :
 Q5 97X4930 NH1J 253 77777 0 050120 2F 000000 A00002834712
 Standard Number: N0002415WX01423 (AA)
 Contractor may NOT perform against this SLIN after POP date shown in Section F.
 Contractor may continue to invoice after this date, but only for work performed
 through and including the aforementioned date.

600004 130032300700002 (22.43)
 LLA :
 B3 1731319 A5BJ 252 WS020 0 050120 2D 000000 A00001537516
 Standard Number: N0002413WX03123
 Funding in support of TI-010. Note: 10 U.S.C. 2410a Authority does NOT apply.
 Funds expire 23 September 2013, or through the end date of the period of
 performance for CLIN 6000, whichever occurs first. Contractor may continue to
 invoice after this date, but only for work performed up through and including 23
 September 2013, or through the end date of the period of performance for CLIN 6000,

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-04-D-4119	N00178-04-D-4119-FC37	50	129 of 141	

whichever occurs first.

600007 130031863100002 (4.32)

LLA :

B6 1721109 4650 310 67854 067443 2D 4650B1 3RC24F23114M

Funding in support of TI-02. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2014, or through the end date of the period of performance for CLIN 6000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2014, or through the end date of the period of performance for CLIN 6000, whichever occurs first.

600008 130031863100004 (3.92)

LLA :

B6 1721109 4650 310 67854 067443 2D 4650B1 3RC24F23114M

Funding in support of TI-04. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2014, or through the end date of the period of performance for CLIN 6000, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2014, or through the end date of the period of performance for CLIN 6000, whichever occurs first.

620003 130038190400004 (0.12)

LLA :

D8 1731319 A5BJ 251 WS020 0 050120 2D 000000 A00001948831

Standard Number: N0002413WX03123

Funding in support of TI-011. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2014, or through the end date of the period of performance for CLIN 6200 (23Sept2014), whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

620005 130039421400002 (0.60)

LLA :

E6 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002054214

Standard Number: N0002414WX00965

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

620009 130040621500002 (646.40)

LLA :

F9 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002148648

Standard Number: N0002414WX00965 (AA)

Contractor may NOT perform against this SLIN after 23 Septmeber 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

620010 130041359100002 (5000.00)

LLA :

G1 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002202434

Standard Number: N0002414WX00965 (AA)

Contractor may NOT perform against this SLIN after 23 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

6401AD 130043934700002 (20.02)

LLA :

K2 1741804 8C2C 251 WS020 0 050120 2D 000000 A00002392321

Standard Number: N0002414WX07701 (AA)

2410(a) funds expire for this SLIN 365 days from effective date of above modification, or through 23 September 2015, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

MOD 50 Funding -38782.99

Cumulative Funding 10042507.45

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 130 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	--------------------	-------

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 131 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	--------------------	-------

SECTION H SPECIAL CONTRACT REQUIREMENTS

All provisions and clauses in SECTION H of the basic contract apply to this TO, unless otherwise specified in this TO.

NAVSEA 5252.242-9115 TECHNICAL INSTRUCTIONS (APRIL 1999)

(a) Performance of the work hereunder may be subject to written technical instructions signed by the Contracting Officer's Representative specified in Section G of this contract. As used herein, technical instructions are defined to include the following:

(1) Directions to the Contractor which suggest pursuit of certain lines of inquiry, shift work emphasis, fill in details or otherwise serve to accomplish the contractual statement of work.

(2) Guidelines to the Contractor which assist in the interpretation of drawings, specifications or technical portions of work description.

(b) Technical instructions must be within the general scope of work stated in the contract. Technical instructions may not be used to: (1) assign additional work under the contract; (2) direct a change as defined in the "CHANGES" clause of this contract; (3) increase or decrease the contract price or estimated contract amount (including fee), as applicable, the level of effort, or the time required for contract performance; or (4) change any of the terms, conditions or specifications of the contract.

(c) If, in the opinion of the Contractor, any technical instruction calls for effort outside the scope of the contract or is inconsistent with this requirement, the Contractor shall notify the Contracting Officer in writing within ten (10) working days after the receipt of any such instruction. The Contractor shall not proceed with the work affected by the technical instruction unless and until the Contractor is notified by the Contracting Officer that the technical instruction is within the scope of this contract.

(d) Nothing in the foregoing paragraph shall be construed to excuse the Contractor from performing that portion of the contractual work statement which is not affected by the disputed technical instruction.

NAVSEA 5252.202-9101 ADDITIONAL DEFINITIONS (MAY 1993)

As used throughout this contract, the following terms shall have the meanings set forth below:

(a) DEPARTMENT means the Department of the Navy.

(b) REFERENCES TO THE FEDERAL ACQUISITION REGULATION (FAR) All references to the FAR in this contract shall be deemed to also reference the appropriate sections of the Defense FAR Supplement (DFARS), unless clearly indicated otherwise.

(c) REFERENCES TO ARMED SERVICES PROCUREMENT REGULATION OR DEFENSE ACQUISITION REGULATION All references in this document to either the Armed Services Procurement Regulation (ASPR) or the Defense Acquisition Regulation (DAR) shall be deemed to be references to the appropriate sections of the FAR/DFARS.

(d) NATIONAL STOCK NUMBERS Whenever the term Federal Item Identification Number and its acronym FIIN or the term Federal Stock Number and its acronym FSN appear in the contract, order or their cited specifications and standards, the terms and acronyms shall be interpreted as National Item Identification Number (NIIN) and National Stock Number (NSN) respectively which shall be defined as follows:

(1) National Item Identification Number (NIIN). The number assigned to each approved Item Identification under the Federal Cataloging Program. It consists of nine numeric characters, the first two of which are the National Codification Bureau (NCB) Code. The remaining positions consist of a seven digit non significant number.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 132 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	--------------------	-------

(2) National Stock Number (NSN). The National Stock Number (NSN) for an item of supply consists of the applicable four position Federal Supply Class (FSC) plus the applicable nine position NIIN assigned to the item of supply.

NAVSEA 5252.232-9104 ALLOTMENT OF FUNDS (JAN 2008)

(a) This contract is incrementally funded with respect to both cost and fee. The amount(s) presently available and allotted to this contract for payment of fee for incrementally funded contract line item number/contract subline item number (CLIN/SLIN), subject to the clause entitled "FIXED FEE" (FAR 52.216-8) or "INCENTIVE FEE" (FAR 52.216-10), as appropriate, is specified below. The amount(s) presently available and allotted to this contract for payment of cost for incrementally funded CLINs/SLINs is set forth below. As provided in the clause of this contract entitled "LIMITATION OF FUNDS" (FAR 52.232-22), the CLINs/SLINs covered thereby, and the period of performance for which it is estimated the allotted amount(s) will cover are as follows:

ITEM(S)	ALLOTED TO COST	ALLOTED TO FEE	ESTIMATED PERIOD OF PERFORMANCE
4000	██████████	██████████	9/24/2012 - 9/23/2013

(b) The parties contemplate that the Government will allot additional amounts to this contract from time to time for the incrementally funded CLINs/SLINs by unilateral contract modification, and any such modification shall state separately the amount(s) allotted for cost, the amount(s) allotted for fee, the CLINs/SLINs covered thereby, and the period of performance which the amount(s) are expected to cover.

(c) CLINs/SLINs _____* are fully funded and performance under these CLINs/SLINs is subject to the clause of this contract entitled "LIMITATION OF COST" (FAR 52.232-20).

(d) The Contractor shall segregate costs for the performance of incrementally funded CLINs/SLINs from the costs of performance of fully funded CLINs/SLINs.

* to be completed at time of award/modification

NAVSEA 5252.245-9108 GOVERNMENT FURNISHED PROPERTY (SEP 1990)

The Government will provide only that property set forth below, notwithstanding any term or condition of this task order to the contrary. Upon Contractor's written request to the cognizant COR, via the cognizant Procuring Contract Office (NSWC Crane), the Government will furnish the following for use in the performance of this task order:

* To be identified upon issuance of each Technical Instruction (TI).

H20S INSURANCE - WORK ON A GOVERNMENT INSTALLATION

The following types of insurance are required in accordance with the clause entitled, Insurance - Work On A Government Installation (FAR 52.228-5), and shall be maintained in the minimum amounts shown:

1. Bodily injury liability insurance coverage shall be written on the comprehensive form of policy of at least \$500,000 per occurrence.
2. Automobile Insurance: \$200,000 per person and \$500,000 per accident for bodily injury and \$20,000 per accident for property damage.
3. Standard Workmen's Compensation and Employer's Liability Insurance (or, where maritime employment is involved, Longshoremen's and Harbor Worker's Compensation Insurance) in the minimum of \$100,000.

H83S SERVICE CONTRACT ACT WAGE DETERMINATION (JUN 2004)

The applicable Service Contract Wage Determinations by the Secretary of Labor are provided as Exhibit C - Wage Determination in Section J.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 133 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	--------------------	-------

HG10S CONTRACTUAL AUTHORITY AND COMMUNICATIONS (JUN 2004)

- (a) Except as specified in subparagraph (b) below, no order, statement, or conduct of any Government personnel who visit the contractor's facilities or in any other manner communicates with contractor personnel during the performance of this task order shall constitute a change under the Changes clause of this task order.
- (b) The contractor shall not comply with any order, direction or request of Government personnel unless it is issued in writing and signed by the Contracting Officer, or is pursuant to specific authority otherwise included as a part of this task order.
- (c) The Contracting Officer is the only person authorized to approve changes in any of the requirements of this task order and, notwithstanding provisions contained elsewhere in this task order, the said authority remains solely the Contracting Officer's. In the event the contract effects any change at the direction of any person other than the Contracting Officer, the change will be considered to have been made without authority and no adjustment will be made in the task order price to cover any increase in charges incurred as a result thereof.

CONFORMANCE WITH THE ENVIRONMENTAL MANAGEMENT SYSTEM

The Contractor shall perform work under this contract, at the installation or at the Contractor site, consistent with the policy and objectives identified in the installation's Environmental Management System (EMS) and applicable rules and regulations provided to the Contractor as Government Furnished Information (GFI). The Contractor shall perform work in a manner that conforms to objectives and targets, environmental programs and operational controls identified by the EMS. The Contractor shall provide monitoring and measurement information as required by the EMS coordinator (Environmental Protection Manager) to address environmental performance relative to environmental, energy, and transportation management goals.

In the event an EMS nonconformance or environmental noncompliance associated with the contracted services, tasks, or actions occurs, the Contractor shall be responsible for coordinating with the installation's Environmental Protection office on proposed corrective and/or preventive actions and for completing all corrective/preventive actions as required by the EMS coordinator or the Environmental Protection Office. In addition, the Contractor shall ensure its employees are aware of their roles and responsibilities under the EMS and Environmental laws and regulations, and how these EMS roles and responsibilities affect work performed under the contract.

The Contractor shall be responsible for ensuring their employees receive applicable environmental and occupational health and safety training, and maintain regulatory-required specific training for the type of work to be conducted. All Contractor personnel, and their subcontractor personnel, performing tasks that have the potential to cause an environmental impact shall be competent on the basis of appropriate education, training or experience. Upon contract award, the Government will provide EMS Awareness and Environmental Awareness training on CD to the Contractor. The Contractor shall provide the EMS coordinator with all training records required by the EMS coordinator or the Environmental Protection Office (including but not limited to EMS training, waste water treatment certifications, asbestos certifications, etc.) for all contractor personnel and subcontractor personnel within 30 days prior to performance or at time of contract award whichever comes first and annually thereafter. The installation EMS Coordinator will retain associated records.

NAVSEA 5252.216-9122 LEVEL OF EFFORT – ALTERNATE 1 (MAY 2010)

- (a) The Contractor agrees to provide the total level of effort specified in the next sentence in performance of the work described in Sections B and C of this contract. The total level of effort for the performance of this contract shall be 195,510 total man-hours of direct labor, including subcontractor direct labor for those subcontractors specifically identified in the Contractor's proposal as having hours included in the proposed level of effort (does not include surge CLINS).
- (b) Of the total man-hours of direct labor set forth above, it is estimated that **(Offeror to fill-in)** man-hours are uncompensated effort.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 134 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	--------------------	-------

Uncompensated effort is defined as hours provided by personnel in excess of 40 hours per week without additional compensation for such excess work. All other effort is defined as compensated effort. If no effort is indicated in the first sentence of this paragraph, uncompensated effort performed by the Contractor shall not be counted in fulfillment of the level of effort obligations under this contract.

(c) Effort performed in fulfilling the total level of effort obligations specified above shall only include effort performed in direct support of this contract and shall not include time and effort expended on such things as (local travel to and from an employee's usual work location), uncompensated effort while on travel status, truncated lunch periods, work (actual or inferred) at an employee's residence or other non-work locations (except as provided in paragraph (i) below), or other time and effort which does not have a specific and direct contribution to the tasks described in Sections B and C.

(d) The level of effort for this contract shall be expended at an average rate of approximately 1,253 hours per week. It is understood and agreed that the rate of man-hours per month may fluctuate in pursuit of the technical objective, provided such fluctuation does not result in the use of the total man-hours of effort prior to the expiration of the term hereof, except as provided in the following paragraph.

(e) If, during the term hereof, the Contractor finds it necessary to accelerate the expenditure of direct labor to such an extent that the total man hours of effort specified above would be used prior to the expiration of the term, the Contractor shall notify the Contracting Officer in writing setting forth the acceleration required, the probable benefits which would result, and an offer to undertake the acceleration at no increase in the estimated cost or fee together with an offer, setting forth a proposed level of effort, cost breakdown, and proposed fee, for continuation of the work until expiration of the term hereof. The offer shall provide that the work proposed will be subject to the terms and conditions of this contract and any additions or changes required by then current law, regulations, or directives, and that the offer, with a written notice of acceptance by the Contracting Officer, shall constitute a binding contract. The Contractor shall not accelerate any effort until receipt of such written approval by the Contracting Officer. Any agreement to accelerate will be formalized by contract modification.

(f) The Contracting Officer may, by written order, direct the Contractor to accelerate the expenditure of direct labor such that the total man hours of effort specified in paragraph (a) above would be used prior to the expiration of the term. This order shall specify the acceleration required and the resulting revised term. The Contractor shall acknowledge this order within five days of receipt.

(g) The Contractor shall provide and maintain an accounting system, acceptable to the Administrative Contracting Officer and the Defense Contract Audit Agency (DCAA), which collects costs incurred and effort (compensated and uncompensated, if any) provided in fulfillment of the level of effort obligations of this contract. The Contractor shall indicate on each invoice the total level of effort claimed during the period covered by the invoice, separately identifying compensated effort and uncompensated effort, if any.

(h) Within 45 days after completion of the work under each separately identified period of performance hereunder, the Contractor shall submit the following information in writing to the Contracting Officer with copies to the cognizant Contract Administration Office and to the DCAA office to which vouchers are submitted: (1) the total number of man hours of direct labor expended during the applicable period; (2) a breakdown of this total showing the number of man hours expended in each direct labor classification and associated direct and indirect costs; (3) a breakdown of other costs incurred; and (4) the Contractor's estimate of the total allowable cost incurred under the contract for the period. Within 45 days after completion of the work under the contract, the Contractor shall submit, in addition, in the case of a cost underrun; (5) the amount by which the estimated cost of this contract may be reduced to recover excess funds. All submissions shall include subcontractor information.

(i) Unless the Contracting Officer determines that alternative worksite arrangements are detrimental to contract performance, the Contractor may perform up to 10% of the hours at an alternative worksite, provided the Contractor has a company-approved alternative worksite plan. The primary worksite is the traditional "main office" worksite. An alternative worksite means an employee's residence or a telecommuting center. A telecommuting center is a geographically convenient office setting as an alternative to an employee's main office. The Government reserves the right to review the Contractor's alternative worksite plan. In the event performance

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 135 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	--------------------	-------

becomes unacceptable, the Contractor will be prohibited from counting the hours performed at the alternative worksite in fulfilling the total level of effort obligations of the contract. Regardless of work location, all contract terms and conditions, including security requirements and labor laws, remain in effect. The Government shall not incur any additional cost nor provide additional equipment for contract performance as a result of the Contractor's election to implement an alternative worksite plan.

(j) Notwithstanding any of the provisions in the above paragraphs and subject to the LIMITATION OF FUNDS or LIMITATION OF COST clauses, as applicable, the period of performance may be extended and the estimated cost may be increased in order to permit the Contractor to provide all of the man-hours listed in paragraph (a) above. The contractor shall continue to be paid fee for each man-hour performed in accordance with the terms of the contract.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 136 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	--------------------	-------

SECTION I CONTRACT CLAUSES

FAR 52.216-10 INCENTIVE FEE (Jun 2011)

(a) General. The Government shall pay the Contractor for performing this contract a fee determined as provided in this contract.

(b) Target cost and target fee. The target cost and target fee specified in the Schedule are subject to adjustment if the contract is modified in accordance with paragraph (d) of this clause.

(1) "Target cost," as used in this contract, means the estimated cost of this contract as initially negotiated, adjusted in accordance with paragraph (d) of this clause.

(2) "Target fee," as used in this contract, means the fee initially negotiated on the assumption that this contract would be performed for a cost equal to the estimated cost initially negotiated, adjusted in accordance with paragraph (d) of this below.

(c) Withholding of payment.

(1) Normally, the Government shall pay the fee to the Contractor as specified in the Schedule. However, when the Contracting Officer considers that performance or cost indicates that the Contractor will not achieve target, the Government shall pay on the basis of an appropriate lesser fee. When the Contractor demonstrates that performance or cost clearly indicates that the Contractor will earn a fee significantly above the target fee, the Government may, at the sole discretion of the Contracting Officer, pay on the basis of an appropriate higher fee.

(2) Payment of the incentive fee shall be made as specified in the Schedule; provided that the Contracting Officer withholds a reserve not to exceed 15 percent of the total incentive fee or \$100,000, whichever is less, to protect the Government's interest. The Contracting Officer shall release 75 percent of all fee withholds under this contract after receipt of an adequate certified final indirect cost rate proposal covering the year of physical completion of this contract, provided the Contractor has satisfied all other contract terms and conditions, including the submission of the final patent and royalty reports, and is not delinquent in submitting final vouchers on prior years' settlements. The Contracting Officer may release up to 90 percent of the fee withholds under this contract based on the Contractor's past performance related to the submission and settlement of final indirect cost rate proposals.

(d) Equitable adjustments. When the work under this contract is increased or decreased by a modification to this contract or when any equitable adjustment in the target cost is authorized under any other clause, equitable adjustments in the target cost, target fee, minimum fee, and maximum fee, as appropriate, shall be stated in a supplemental agreement to this contract.

(e) Fee payable.

(1) The fee payable under this contract shall be the target fee increased by thirty cents (\$0.30) for every dollar that the total allowable cost is less than the target cost or decreased by thirty cents (\$0.30) for every dollar that the total allowable cost exceeds the target cost. In no event shall the fee be greater than **(Offeror fill in) (%)** or less than one percent (1.00%) of the target cost.

(2) The fee shall be subject to adjustment, to the extent provided in paragraph (d) of this clause, and within the minimum and maximum fee limitations in paragraph (e)(1) of this clause, when the total allowable cost is increased or decreased as a consequence of --

(i) Payments made under assignments; or

(ii) Claims excepted from the release as required by paragraph (h)(2) of the Allowable Cost and Payment clause.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 137 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	--------------------	-------

(3) If this contract is terminated in its entirety, the portion of the target fee payable shall not be subject to an increase or decrease as provided in this paragraph. The termination shall be accomplished in accordance with other applicable clauses of this contract.

(4) For the purpose of fee adjustment, "total allowable cost" shall not include allowable costs arising out of --

- (i) Any of the causes covered by the Excusable Delays clause to the extent that they are beyond the control and without the fault or negligence of the Contractor or any subcontractor;
- (ii) The taking effect, after negotiating the target cost, of a statute, court decision, written ruling, or regulation that results in the Contractor's being required to pay or bear the burden of any tax or duty or rate increase in a tax or duty;
- (iii) Any direct cost attributed to the Contractor's involvement in litigation as required by the Contracting Officer pursuant to a clause of this contract, including furnishing evidence and information requested pursuant to the Notice and Assistance Regarding Patent and Copyright Infringement clause;
- (iv) The purchase and maintenance of additional insurance not in the target cost and required by the Contracting Officer, or claims for reimbursement for liabilities to third persons pursuant to the Insurance Liability to Third Persons clause;
- (v) Any claim, loss, or damage resulting from a risk for which the Contractor has been relieved of liability by the Government Property clause; or
- (vi) Any claim, loss, or damage resulting from a risk defined in the contract as unusually hazardous or as a nuclear risk and against which the Government has expressly agreed to indemnify the Contractor.

(5) All other allowable costs are included in "total allowable cost" for fee adjustment in accordance with this paragraph (e), unless otherwise specifically provided in this contract.

(f) Contract modification. The total allowable cost and the adjusted fee determined as provided in this clause shall be evidenced by a modification to this contract signed by the Contractor and Contracting Officer.

(g) Inconsistencies. In the event of any language inconsistencies between this clause and provisioning documents or Government options under this contract, compensation for spare parts or other supplies and services ordered under such documents shall be determined in accordance with this clause.

52.217-8 - OPTION TO EXTEND SERVICE (NOV 1999)

The Government may require continued performance of any services within the limits and at the rates specified in the contract. These rates may be adjusted only as a result of revisions to prevailing labor rates provided by the Secretary of Labor. The option provision may be exercised more than once, but the total extension of performance hereunder shall not exceed 6 months. The Contracting Officer may exercise the option by written notice to the Contractor within 60 days.

FAR 52.217-9 OPTION TO EXTEND THE TERM OF THE CONTRACT (MAR 2000) (NAVSEA VARIATION) (SEP 2009)

(a) The Government may extend the term of this contract by written notice(s) to the Contractor within the periods specified below. If more than one option exists the Government has the right to unilaterally exercise any such option whether or not it has exercised other options.

ITEM(S) LATEST OPTION EXERCISE DATE

4200, 4300 No later than 12 months after the TO Award date.
4400, 4500 No later than 24 months after the TO Award date.
6200, 6300 No later than 12 months after the TO Award date.
6400, 6500 No later than 24 months after the TO Award date.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 138 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	--------------------	-------

52.222-2 PAYMENT FOR OVERTIME PREMIUMS (JUL 1990)

(a) The use of overtime is authorized under this contract if the overtime premium does not exceed **\$ 98,380 (authorized overtime is IAW offeror's proposal and includes prime and subcontractor burdened overtime)** or the overtime premium is paid for work --

- (1) Necessary to cope with emergencies such as those resulting from accidents, natural disasters, breakdowns of production equipment, or occasional production bottlenecks of a sporadic nature;
- (2) By indirect-labor employees such as those performing duties in connection with administration, protection, transportation, maintenance, standby plant protection, operation of utilities, or accounting;
- (3) To perform tests, industrial processes, laboratory procedures, loading or unloading of transportation conveyances, and operations in flight or afloat that are continuous in nature and cannot reasonably be interrupted or completed otherwise; or
- (4) That will result in lower overall costs to the Government.

(b) Any request for estimated overtime premiums that exceeds the amount specified above shall include all estimated overtime for contract completion and shall --

- (1) Identify the work unit; e.g., department or section in which the requested overtime will be used, together with present workload, staffing, and other data of the affected unit sufficient to permit the Contracting Officer to evaluate the necessity for the overtime;
- (2) Demonstrate the effect that denial of the request will have on the contract delivery or performance schedule;
- (3) Identify the extent to which approval of overtime would affect the performance or payments in connection with other Government contracts, together with identification of each affected contract; and
- (4) Provide reasons why the required work cannot be performed by using multishift operations or by employing additional personnel.

52.244-2 SUBCONTRACTS (OCT 2010)

(a) *Definitions.* As used in this clause—

“Approved purchasing system” means a Contractor’s purchasing system that has been reviewed and approved in accordance with Part 44 of the Federal Acquisition Regulation (FAR)

“Consent to subcontract” means the Contracting Officer’s written consent for the Contractor to enter into a particular subcontract.

“Subcontract” means any contract, as defined in FAR Subpart 2.1, entered into by a subcontractor to furnish supplies or services for performance of the prime contract or a subcontract. It includes, but is not limited to, purchase orders, and changes and modifications to purchase orders.

(b) When this clause is included in a fixed-price type contract, consent to subcontract is required only on unpriced contract actions (including unpriced modifications or unpriced delivery orders), and only if required in accordance with paragraph (c) or (d) of this clause.

(c) If the Contractor does not have an approved purchasing system, consent to subcontract is required for any subcontract that-

- (1) Is of the cost-reimbursement, time-and-materials, or labor-hour type; or
- (2) Is fixed-price and exceeds—

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 139 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	--------------------	-------

(i) For a contract awarded by the Department of Defense, the Coast Guard, or the National Aeronautics and Space Administration, the greater of the simplified acquisition threshold or 5 percent of the total estimated cost of the contract; or

(ii) For a contract awarded by a civilian agency other than the Coast Guard and the National Aeronautics and Space Administration, either the simplified acquisition threshold or 5 percent of the total estimated cost of the contract.

(d) If the Contractor has an approved purchasing system, the Contractor nevertheless shall obtain the Contracting Officer's written consent before placing the following subcontracts:

"Any subcontract exceeding the Simplified Acquisition Threshold (\$150,000.00), inclusive of subcontractor labor, fees, and ODCs (both travel and material), not previously included in the Prime Contractor's accepted proposal."

(e)(1) The Contractor shall notify the Contracting Officer reasonably in advance of placing any subcontract or modification thereof for which consent is required under paragraph (b), (c), or (d) of this clause, including the following information:

(i) A description of the supplies or services to be subcontracted.

(ii) Identification of the type of subcontract to be used.

(iii) Identification of the proposed subcontractor.

(iv) The proposed subcontract price.

(v) The subcontractor's current, complete, and accurate certified cost or pricing data and Certificate of Current Cost or Pricing Data, if required by other contract provisions.

(vi) The subcontractor's Disclosure Statement or Certificate relating to Cost Accounting Standards when such data are required by other provisions of this contract.

(vii) A negotiation memorandum reflecting -

(A) The principal elements of the subcontract price negotiations;

(B) The most significant considerations controlling establishment of initial or revised prices;

(C) The reason certified cost or pricing data were or were not required;

(D) The extent, if any, to which the Contractor did not rely on the subcontractor's certified cost or pricing data in determining the price objective and in negotiating the final price;

(E) The extent to which it was recognized in the negotiation that the subcontractor's certified cost or pricing data were not accurate, complete, or current; the action taken by the Contractor and the subcontractor; and the effect of any such defective data on the total price negotiated;

(F) The reasons for any significant difference between the Contractor's price objective and the price negotiated; and

(G) A complete explanation of the incentive fee or profit plan when incentives are used. The explanation shall identify each critical performance element, management decisions used to quantify each incentive element, reasons for the incentives, and a summary of all trade-off possibilities considered.

(2) The Contractor is not required to notify the Contracting Officer in advance of entering into any subcontract for which consent is not required under paragraph (b), (c), or (d) of this clause.

(f) Unless the consent or approval specifically provides otherwise, neither consent by the Contracting Officer to

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 140 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	--------------------	-------

any subcontract nor approval of the Contractor's purchasing system shall constitute a determination -

- (1) Of the acceptability of any subcontract terms or conditions;
- (2) Of the allowability of any cost under this contract; or
- (3) To relieve the Contractor of any responsibility for performing this contract.

(g) No subcontract or modification thereof placed under this contract shall provide for payment on a cost-plus-a-percentage-of-cost basis, and any fee payable under cost-reimbursement type subcontracts shall not exceed the fee limitations in FAR 15.404-4(c)(4)(i).

(h) The Contractor shall give the Contracting Officer immediate written notice of any action or suit filed and prompt notice of any claim made against the Contractor by any subcontractor or vendor that, in the opinion of the Contractor, may result in litigation related in any way to this contract, with respect to which the Contractor may be entitled to reimbursement from the Government.

(i) The Government reserves the right to review the Contractor's purchasing system as set forth in FAR Subpart 44.3.

(j) Paragraphs (c) and (e) of this clause do not apply to the following subcontracts, which were evaluated during negotiations:

CLAUSES INCORPORATED BY REFERENCE (FEB 1998) (FAR 52.252-2)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address (es): <http://www.farsite.hill.af.mil/>

- 52.204-9 Personal Identity Verification of Contractor Personnel (Jan 2011)
- 52.204-10 Reporting Executive Compensation and First-Tier Subcontract Awards (Jul 2010)
- 52.222-41 Service Contract Act of 1965 (Nov 2007)
- 52.227-1 Authorization and Consent (Dec 2007)
- 52.227-2 Notice and Assistance Regarding Patent and Copyright Infringement (Dec 2007)
- 52.232-22 Limitation of Funds (Apr 1984)
- 52.237-2 Protection of Government Buildings, Equipment, and Vegetation (Apr 1984)
- 52.237-3 Continuity of Services (Jan 1991)
- 52.245-1 Government Property (Aug 2010)
- 252.204-7012 Safeguarding of Unclassified Controlled Technical Information (Nov 2013)
- 252.227-7013 Rights in Technical Data – Noncommercial Items (Mar 2011)
- 252.227-7014 Rights in Noncommercial Computer Software and Noncommercial
Computer Software Documentation (Mar 2011)
- 252.227-7016 Rights in Bid or Proposal Information (Jan 2011)
- 252.227-7017 Identification and Assertion of Use, Release, or Disclosure restrictions (Jan 2011)
- 252.227-7019 Validation of Asserted Restrictions – Computer Software (Jun 1995)
- 252.227-7028 Technical Data or Computer Software Previously Delivered to the Government
(Jun 1995)
- 252.227-7030 Technical Data--Withholding of Payment (Mar 2000)
- 252.227-7037 Validation of Restrictive Markings on Technical Data. (Sep 1999)
- 252.227-7038 Patent Rights – Ownership by the Contractor (Dec 2007)

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC37	AMENDMENT/MODIFICATION NO. 50	PAGE 141 of 141	FINAL
----------------------------------	---------------------------------------------	----------------------------------	--------------------	-------

SECTION J LIST OF ATTACHMENTS

Attachment 1 - CDRLs

Attachment 2 - Wage Determination

Attachment 3 - Approved Subcontractor List

Attachment 4 - Rough Order of Magnitude Template

Attachment 5 - QASP

Attachment 6 - Government LOE