

**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**1. CONTRACT ID CODE  
UPAGE OF PAGES  
1 22. AMENDMENT/MODIFICATION NO.  
723. EFFECTIVE DATE  
05-Sep-20184. REQUISITION/PURCHASE REQ. NO.  
Deobligation5. 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 47522-5001DCMA 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-FC33

10B. DATED (SEE ITEM 13)

22-Sep-2011

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.

[ ]

[X] 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). FAR 43.103 (a)(3) Mutual agreement

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

[ ] D. OTHER (Specify type of modification and authority)

E. 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

(Signature of person authorized to sign)

04-Sep-2018

BY

(Signature of Contracting Officer)

05-Sep-2018

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-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 2 of 2	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 06 June 2018. Email has been uploaded to 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 \$20,044,839.88 by \$3,976.94 to \$20,040,862.94.

CLIN/SLIN	Type Of Fund	From (\$)	By (\$)	To (\$)
610011	PMC	4,000.00	(3,976.94)	23.06

The total value of the order is hereby increased from \$44,448,983.00 by \$0.00 to \$44,448,983.00.

*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-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 1 of 136	FINAL
----------------------------------	---	----------------------------------	------------------	-------

## SECTION B SUPPLIES OR SERVICES AND PRICES

CLIN - SUPPLIES OR SERVICES

For Cost Type Items:

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
4100	R425	Non-personal, engineering & technical services for Mobility Systems Engineering Hardware Support, BASE YEAR 1 (LABOR ONLY) (SEE NOTE A). (Fund Type - TBD)					\$6,163,509.25
410001	R425	Labor in support of CLIN 4100. In the amount of \$40,000.00 in support of TI 0001, ACRN A1. (PMC)					
410002	R425	Labor in support of CLIN 4100. In the amount of \$120,000.00 in support of TI 0001, ACRN A9. (PMC)					
410003	R425	Labor in support of CLIN 4100. In the amount of \$64,075.00 in support of TI 0002 (Global Discovery), ACRN A2. (OPN)					
410004	R425	Labor in support of CLIN 4100. In the amount of \$150,000.00 in support of TI 0002 (MCV), ACRN A3. (Fund Type - OTHER)					
410005	R425	Labor in support of CLIN 4100. In the amount of \$45,000.00 in support of TI 0006, ACRN A4. Mod 03 De-ob \$45,000 from \$45,000 to \$0 (Fund Type - OTHER)					
410006	R425	Labor in support of CLIN 4100. In the amount of \$395,000.00 in support of TI 0003, ACRN A5. (PMC)					
410007	R425	Labor in support of CLIN 4100. In the amount of \$10,000.00 in support of TI 0004, ACRN A6. (Fund Type - OTHER)					
410008	R425	Labor in support of CLIN 4100. In the amount of \$3,485,000.00 in support of TI 0004, ACRN A6 (Increase). (MOD 09 DEOB \$466,153.45) (Fund Type - OTHER)					

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 2 of 136	FINAL
----------------------------------	---	----------------------------------	------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
410009	R425	Labor in support of CLIN 4100. In the amount of \$105,000.00 in support of TI 0005, ACRN A7. (Fund Type - OTHER)					
410010	R425	Labor in support of CLIN 4100. In the amount of \$26,778.00 in support of TI 0007, ACRN A8. Deobligated by \$26,778 via modification 032. (Fund Type - OTHER)					
410011	R425	Labor in support of CLIN 4100. In the amount of \$300,000.00 in support of TI 0001, ACRN B1. (Fund Type - OTHER)					
410012	R425	Labor in support of CLIN 4100. In the amount of \$1,700,000.00 in support of TI 0004, ACRN B2. Deobligated \$3,559.15 via Mod 48. (Fund Type - OTHER)					
410013	R425	Labor in support of CLIN 4100. In the amount of \$75,000.00 in support of TI 0002 (Sonar Dome Rubber Window), ACRN B3. (SCN)					
410014	R425	Labor in support of CLIN 4100. In the amount of \$150,000.00 in support of TI 0003, ACRN A5(Increase). Deobligated \$1,401.26 via Mod 48 (PMC)					
410015	R425	Labor in support of CLIN 4100. In the amount of \$5,750.00 in support of TI 0002 (Launcher Test Vehicle Referb.), ACRN B4. (FMS)					
410016	R425	Labor in support of CLIN 4100. In the amount of \$25,000.00 in support of TI 0002 (Primary Electronics Battery Test Station), ACRN B5. (WPN)					
410017	R425	Labor in support of CLIN 4100. In the amount of \$25,000.00 in support of TI 0005 (GMVAS-MRAP) , ACRN B6. Deobligated by \$20,162.30 via modification 032. (WPN)					

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 3 of 136	FINAL
----------------------------------	---	----------------------------------	------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
4200	R425	Non-personal, engineering & technical services for Mobility Systems Engineering Hardware Support, OPTION YEAR 1 (LABOR ONLY) (SEE NOTE A&B). (Fund Type - TBD)					\$3,612,813.21
420001	R425	Labor in support of CLIN 4200. In the amount of \$340,000.00 in support of TI 0003 (AMANPADS), ACRN B7(Increase). (Fund Type - OTHER)					
420002	R425	Labor in support of CLIN 4200. In the amount of \$3,200.00 in support of TI 0010 (HITS2), ACRN B8. (Fund Type - OTHER)					
420003	R425	Labor in support of CLIN 4200. In the amount of \$16,000.00 in support of TI 0005 (GMVAS-MRAP), ACRN B9. Deobligated by \$752.62 via modification 032. (Fund Type - OTHER)					
420004	R425	Labor in the amount of \$9,500.00 in support of TI 0008 (One (1) ACC Storage Container for H53 Helicopter Program), ACRN C1. Deobligated by \$18.73 via modification 029. (APN)					
420005	R425	Labor in the amount of \$591,229.00 in support of TI 0001 (Anti-Armor Systems Marine Corps Systems Command), ACRN C2. (PMC)					
420006	R425	Labor in the amount of \$56,784.00 in support of TI 0003 (USMC GBAD), ACRN A5(Increase). (PMC)					
420007	R425	Labor in support of CLIN 4200. In the amount of \$134,754.00 in support of TI 0003 (AMANPADS), ACRN C3. (PMC)					
420008	R425	Labor in support of CLIN 4200. In the amount of \$349,912.00 in support of TI 0003 (AMANPADS), ACRN C4. (RDT&E)					

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 4 of 136	FINAL
----------------------------------	---	----------------------------------	------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
420009	R425	Labor in support of CLIN 4200. In the amount of \$160,562.00 in support of TI 0003 (AMANPADS), ACRN C4 (Increase). (RDT&E)					
420010	R425	Labor in support of CLIN 4200. In the amount of \$282,615.00 in support of TI 0003 (AMANPADS), ACRN C5. (PMC)					
420011	R425	Labor in support of CLIN 4200. In the amount of \$282,615.00 in support of TI 0001 (Anti-Armor Systems Marine Corps Systems Command), ACRN C6. (Fund Type - OTHER)					
420012	R425	Labor in support of CLIN 4200. In the amount of \$40,000.00 in support of TI 0002A (Electronics & Corrosion Control PDM on MCV Sys. & Vehicles), ACRN C8. (MOD 21 decrease \$40,000.00) (Fund Type - OTHER)					
420013	R425	Labor in support of CLIN 4200. In the amount of \$99,800.00 in support of TI 0014 (CMDS), ACRN C9. (RDT&E)					
420014	R425	Labor in support of CLIN 4200. 2410A authority has been invoked. In the amount of \$67,717.26.00 in support of TI 0015 (Runway Sweepers), ACRN D1. De-obligated by \$1,071.93 via modification 67. (Fund Type - OTHER)					
420015	R425	Labor in support of CLIN 4200. 2410A authority has been invoked. In the amount of \$91,000.00 in support of TI 0012 (CCWS), ACRN D2. (Fund Type - OTHER)					
420016	R425	Labor in support of CLIN 4200. In the amount of \$10,000.00 in support of TI 0003 (AMANPADS), ACRN D3. (PMC)					
420017	R425	Funding in support of TI-0001, Anti-Armor Systems, Marine Corps					

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 5 of 136	FINAL
----------------------------------	---	----------------------------------	------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
		Systems Command. (PMC)					
420018	R425	Funding in support of TI-0012, Close Combat Weapon Systems (CCWS). (Fund Type - OTHER)					
420019	R425	Funding in support of TI-0001, USMC Anti-Armor Systems. Deobligated by \$476,553.04 via modification 38. De-obligated by \$6,830 via modification 66. (PMC)					
420020	R425	Funding in support of TI-0016, Navy Expeditionary Combat Command. (O&MN,N)					
420021	R425	Funding in support of TI-0018, NAVSEA Sea Systems Command. (Fund Type - OTHER)					
420022	R425	Funding in support of TI-0003, USMC. (Fund Type - OTHER)					
4300	R425	Non-personal, engineering & technical services for Mobility Systems Engineering Hardware Support, OPTION YEAR 1 (LABOR ONLY) (SEE NOTE A&B). (Fund Type - OTHER)	1.0	LO	██████████	██████████	\$2,231,256.88
4301		Contractor shall invoice the following priced SLINs in accordance with invoicing instructions in Section G.					\$2,716,371.91
4301AA	R425	Funding in support of TI-017 for DTRA. (Fund Type - OTHER)	1.0	LO	██████████	██████████	\$144,646.24
4301AB	R425	Funding in support of TI-003 for GBAD. (PMC)	1.0	LO	██████████	██████████	\$37,203.30
4301AC	R425	Funding in support of TI-012 for Close Combat Weapons Systems (CCWS). (Fund Type - OTHER)	1.0	LO	██████████	██████████	\$50,000.00
4301AD	R425	Funding in support of TI-016 for Strategic System Program CCFLIR Systems. Deobligated \$9.65 via Mod 46. (O&MN,N)	1.0	LO	██████████	██████████	\$4,990.35
4301AE	R425	Funding in support of TI-0001 for USMC Anti-Armor Systems. (PMC)	1.0	LO	██████████	██████████	\$86,480.00

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 6 of 136	FINAL
----------------------------------	---	----------------------------------	------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
4301AF	R425	Funding in support of TI-0005 for Long Range Ground Mobility Visual Augmentation System onto MATV MRAPS in support of U.S. Special Operations Command. (MDA)	1.0	LO	██████████	██████████	\$10,000.00
4301AG	R425	Funding in support of TI-003 for GBAD. (Fund Type - OTHER)	1.0	LO	██████████	██████████	\$74,000.00
4301AH	R425	Funding in support of TI-0019 for MK154 support. (PMC)	1.0	LO	██████████	██████████	\$615,000.00
4301AJ	R425	Funding in support of TI-0018B for TACP. Deobligated \$2,195.55 via Mod 48. (Fund Type - OTHER)	1.0	LO	██████████	██████████	\$50,304.45
4301AK	R425	10 USC 2410(a) Authority is hereby invoked. Funding in support of TI-0003 for CLAMSHELL Trainer support. (Fund Type - OTHER)	1.0	LO	██████████	██████████	\$72,000.00
4301AL	R425	10 USC 2410(a) Authority is hereby invoked. Funding in support of TI-0012 for CCWS. (Fund Type - OTHER)	1.0	LO	██████████	██████████	\$135,000.00
4301AM	R425	10 USC 2410(a) Authority is hereby invoked. Funding in support of TI-0003 for M1114 ECP IAW. (Fund Type - OTHER)	1.0	LO	██████████	██████████	\$65,894.08
4301AN	R425	10 USC 2410(a) Authority is hereby invoked. Funding in support of TI-0005 for the U.S. Special Operations Command. (MDA)	1.0	LO	██████████	██████████	\$20,000.00
4301AP	R425	Funding in support of TI-003 for support of the GBAD program. Deobligated \$53,161.90 via modification 59. (RDT&E)	1.0	LO	██████████	██████████	\$391,804.15
4301AQ	R425	Funding in support of TI-0018C for engineering and technical support for Marine Corps Systems Commands; THOR/MODI drawing development. (PMC)	1.0	LO	██████████	██████████	\$40,110.00
4301AR	R425	Funding in support of TI-0001 for engineering and technical support services for USMC Anti-Armor Systems. (PMC)	1.0	LO	██████████	██████████	\$476,553.04



CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 7 of 136	FINAL
----------------------------------	---	----------------------------------	------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
4301AS	R425	Funding is in support of TI-003 for labor support of the GBAD program. Deobligated \$38,359.64 via modification 59. (Fund Type - OTHER)	1.0	LO	██████████	██████████	\$39,234.06
4301AT	R425	Funding in support of TI-0001 to provide engineering and technical support services for USMC Anti-Armor Systems. Deobligated funds in the amount of \$628,000. De-obligated by \$57,000 via modification 66. (PMC)	1.0	LO	██████████	██████████	\$43,000.00
4301AU	R425	Funding in support of TI-0012 for engineering and technical support services for Close Combat Weapon Systems (CWS). (WCF)	1.0	LO	██████████	██████████	\$50,000.00
4301AV	R425	Funding in support of TI-0012 for engineering and technical support services for Close Combat Weapon Systems (CCWS). Deobligated Funding in the amount of \$50,000. (WCF)	1.0	LO	██████████	██████████	\$25,000.00
4301AW	R425	Funding in support of TI-0019 for engineering and technical support services for USMC MK154PM Engineering Systems. Deobligated funding in the amount of \$20,000. De-obligated by \$24,725.67 via modification 61. De-obligated by \$7,126.13 via modification 70. (WCF)	1.0	LO	██████████	██████████	\$138,148.20
4301AX	R425	Funding in support of TI-0020 for hardware efforts to build and deliver Kapton Wiring Harness Replacement kits. Deobligated funding in the amount of \$234,995.96. (APN)	1.0	LO	██████████	██████████	\$147,004.04
4301AY	R425	Funding in support of TI-0020 for hardware efforts to build and deliver Kapton Wiring Harness Replacement kits. Deobligated funding in the amount of \$573,000.00. (APN)	1.0	LO	\$0.00	\$0.00	\$0.00

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 8 of 136	FINAL
----------------------------------	---	----------------------------------	------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
4301AZ	R425	Funding in support of TI-0020 for hardware efforts to build and deliver Kapton Wiring Harness Replacement kits. Deobligated funding in the amount of \$481,560.00 (APN)	1.0	LO	\$0.00	\$0.00	\$0.00
4301BA	R425	Funding in support of TI-0020 for hardware efforts to build and deliver Kapton Wiring Harness Replacement kits. Deobligated funding in the amount of \$481,560.00. (APN)	1.0	LO	\$0.00	\$0.00	\$0.00

For ODC Items:

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
6100	R425	Non-personal, engineering & technical services for Mobility Systems Engineering Hardware Support, BASE YEAR 1 (ODC ONLY) (SEE NOTE C). (Fund Type - TBD)	1.0	LO	\$491,132.31
610001	R425	ODC in support of CLIN 6100. In the amount of \$9,250.00 in support of TI 0001, ACRN A1 (Increase). (MOD 10 DEOB \$3,100.75) (PMC)			
610002	R425	ODC in support of CLIN 6100. In the amount of \$27,750.00 in support of TI 0001, ACRN A9 (Increase). (MOD 10 DEOB \$27,669.25) (PMC)			
610003	R425	ODC in support of CLIN 6100. In the amount of \$8,500.00 in support of TI 0002 (Global Discovery), ACRN A2 (Increase). (OPN)			
610004	R425	ODC in support of CLIN 6100. In the amount of \$10,000.00 in support of TI 0002 (MCV), ACRN A3 (Increase). Deobligated \$8,160.35 on Mod 15. NOTE: MOD 63 DEOBLIGATED \$4.84 FROM \$1,839.65 TO \$1,834.81. (Fund Type - OTHER)			
610005	R425	ODC in support of CLIN 6100. In the amount of \$11,000.00 in support of TI 0006, ACRN A4 (Increase). Mod 03 De-ob \$11,000 from \$11,000 to \$0 (Fund Type - OTHER)			
610006	R425	ODC in support of CLIN 6100. In the amount of \$395,000.00 in support of TI 0003, ACRN A5 (Increase). Mod 03 De-ob \$275,000 from \$395,000 to \$120,000. Deobligated \$4,921.58 via Mod 48. (PMC)			
610007	R425	ODC in support of CLIN 6100. In the amount of \$5,000.00 in support of TI 0004, ACRN A6 (Increase). (Fund Type - OTHER)			
610008	R425	ODC in support of CLIN 6100. In the amount of \$500,000.00 in support of TI 0004, ACRN A6 (Increase). (MOD 09 DEOB \$227,781.44) (Fund Type - OTHER)			
610009	R425	ODC in support of CLIN 6100. In the amount of \$45,000.00 in support of TI 0005, ACRN A7 (Increase). (MOD 10 DEOB \$16,000.00) (Fund Type - OTHER)			

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 9 of 136	FINAL
----------------------------------	---	----------------------------------	------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
610010	R425	ODC in support of CLIN 6100. In the amount of \$300,000.00 in support of TI 0004, ACRN B2 (Increase). (MOD 10 DEOB \$175,000.00 Deobligated by \$80,655.90 via modification 029. (Fund Type - OTHER)			
610011	R425	ODC in support of CLIN 6100. In the amount of \$4,000.00 in support of TI 0003, ACRN A5 (Increase). Deobligated by \$3,976.94 via MOD 72. (PMC)			
6200	R425	Non-personal, engineering & technical services for Mobility Systems Engineering Hardware Support, OPTION YEAR 1 (ODC ONLY) (SEE NOTE B&C). (Fund Type - TBD)	1.0	LO	\$134,139.08
620001	R425	ODC in support of CLIN 6200. In the amount of \$40,000.00 in support of TI 0003 (AMANPADS), ACRN B7(Increase). Deobligated by \$22,144.25 via modification 029. Deobligated by \$17,855.75 via modification 59. (Fund Type - OTHER)			
620002	R425	ODCs in the amount of \$500.00 in support of TI 0008 (One (1) ACC Storage Container for H53 Helicopter Program), ACRN C1 (Increase). Deobligated by \$500.00 via modification 029. (APN)			
620003	R425	Travel in the amount of \$10,000.00 in support of TI 0001 (Anti-Armor Systems Marine Corps Systems Command), ACRN C2 (Increase). De-obligation in the amount of \$392.60 via Mod 48. (PMC)			
620004	R425	ODC in support of CLIN 6200. In the amount of \$40,000.00 in support of TI 0003 (AMANPADS), ACRN C5(Increase). (Fund Type - OTHER)			
620005	R425	ODC in support of CLIN 6200. In the amount of \$2,600.00 in support of TI 0014 (CMDS), ACRN C9(Increase). Deobligated \$2,373.94 via Mod 48 (RDT&E)			
620006	R425	ODC in support of CLIN 6200. 2410A authority has been invoked. In the amount of \$20,683.33 in support of TI 0015 (Runway Sweeper), ACRN D1. Deobligated \$122.72 via Mod 48. Deobligated \$1.04 via Mod 67. Deobligated by \$.41 via MOD 71. (Fund Type - OTHER)			
620007	R425	ODC in support of CLIN 6200. 2410A authority has been invoked. In the amount of \$9,000.00 in support of TI 0012 (CCWS), ACRN D2. (Fund Type - OTHER)			
620008	R425	Funding in support of TI-0012, Close Combat Weapon Systems (CCWS). (Fund Type - TBD)			
620009	R425	Funding in support of TI-0001, USMC Anti-Armor Systems. Deobligated \$2,700 via modification 38. (PMC)			
620010	R425	Funding in support of TI-0003, Engineering Change Proposals. (PMC)			
6300	R425	Non-personal, engineering & technical services for Mobility Systems Engineering Hardware Support, OPTION YEAR 1 (ODC ONLY) (SEE NOTE B&C). (Fund Type - OTHER)	1.0	LO	\$434,690.72
6301		Contractor shall invoice the following priced SLINS in accordance with invoicing instructions in Section G.			\$250,394.20
6301AA	R425	Funding in support of TI-017 for DTRA. (Fund Type - OTHER)	1.0	LO	\$35,000.00
6301AB	R425	Funding in support of TI-003 for GBAD. (PMC)	1.0	LO	\$30,000.00

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 10 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
6301AC	R425	Funding in support of TI-012 for Close Combat Weapons Systems (CCWS). (Fund Type - OTHER)	1.0	LO	\$5,000.00
6301AD	R425	Funding in support of TI-003 for GBAD-T. Deobligated \$9,833.43 via modification 59. (Fund Type - OTHER)	1.0	LO	\$48,166.57
6301AE	R425	Funding in support of TI-0019 for MK154 support. De-obligated by \$3,042.32 via modification 61. (Fund Type - OTHER)	1.0	LO	\$57,957.68
6301AF	R425	Funding in support of TI-0018B for TACP. Deobligated \$.88 via Mod 48 (PMC)	1.0	LO	\$999.12
6301AG	R425	10 USC 2410(a) Authority is hereby invoked. Funding in support of TI-0003 for CLAMSHELL Trainer support. (Fund Type - OTHER)	1.0	LO	\$20,000.00
6301AH	R425	10 USC 2410(a) Authority is hereby invoked. Funding in support of TI-0012 for CCWS. (Fund Type - OTHER)	1.0	LO	\$10,000.00
6301AJ	R425	Funding in support of TI-0005 for MATV MRAPS support of U.S. Special Operations Command. Deobligated \$149.70 via Mod 48. (Fund Type - OTHER)	1.0	LO	\$2,850.30
6301AK	R425	Funding in support of TI-003 for support of GBAD program. Deobligated \$16,287.20 via modification 59. (RDT&E)	1.0	LO	\$23,712.80
6301AL	R425	Funding is in support of TI-0001 for engineering and technical support services for USMC Anti-Armor Systems. (PMC)	1.0	LO	\$2,700.00
6301AM	R425	Funding in support of TI-0001 to provide engineering and technical support services for USMC Anti-Armor Systems. Deobligated funds in the amount of \$6,000.00. De-obligated by \$10,757.27 via modification 66. (PMC)	1.0	LO	\$3,242.73
6301AN	R425	Funding in support of TI-0012 for engineering and technical support services for Close Combat Weapon Systems (CWS). (WCF)	1.0	LO	\$4,500.00
6301AP	R425	Funding in support of TI-0012 for engineering and technical support services for Close Combat Weapon Systems (CCWS). Deobligated funds in the amount of \$4,500.00. (WCF)	1.0	LO	\$2,500.00
6301AQ	R425	Funding in support of TI-0019 for engineering and technical support services for USMC MK154PM Engineering Systems. Deobligated funding in the amount of \$15,000.00. (WCF)	1.0	LO	\$0.00
6301AR	R425	Funding in support of TI-0020 for hardware efforts to build and deliver Kapton Wiring Harness Replacement kits. Deobligated funding in the amount of \$32,000.00. This text added to fix a pdf issue. (APN)	1.0	LO	\$3,765.00

For Cost Type Items:

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
7000	R425	Labor Year 5. This CLIN is intended for the labor ceiling and LOE for year 5. No funding will be applied to this CLIN. Contractors shall not invoice against CLIN 7000. (Fund Type -	1.0	LO	██████████	██████████	\$7,276,707.53

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 11 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
		TBD)					
7001		Contractor shall invoice the following priced SLINs in accordance with invoicing instructions in Section G.					\$4,900,749.22
7001AA	R425	Funding in support of TI-0003 for the GBAD program. (RDT&E)	1.0	LO	██████████	██████████	\$554,583.95
7001AB	R425	Funding in support of TI-0021 to provide engineering and technical support services along with integration support of portable test carts to support operator training of the VAS systems. (O&MN,N)	1.0	LO	██████████	██████████	\$4,000.00
7001AC	R425	Funding in support of TI-0020 for hardware efforts to build and deliver Kapton Wiring Harness Replacement Kits in support of H-53 PMA-261. (APN)	1.0	LO	██████████	██████████	\$234,995.96
7001AD	R425	Funding in support of TI-0020 for hardware efforts to build and deliver Kapton Wiring Harness Replacement Kits in support of H-53 PMA-261. (APN)	1.0	LO	██████████	██████████	\$573,000.00
7001AE	R425	Funding in support of TI-0020 for hardware efforts to build and deliver Kapton Wiring Harness Replacement Kits in support of H-53 PMA-261. (APN)	1.0	LO	██████████	██████████	\$481,560.00
7001AF	R425	Funding in support of TI-0020 for hardware efforts to build and deliver Kapton Wiring Harness Replacement Kits in support of H-53 PMA-261. (APN)	1.0	LO	██████████	██████████	\$481,560.00
7001AG	R425	Funding in support of TI-0001 for engineering and technical support services for USMC Anti-Armor Systems. (PMC)	1.0	LO	██████████	██████████	\$628,000.00
7001AH	R425	Funding in support of TI-0012 for engineering and technical support services for Close Combat Weapon Systems (CCWS). (Fund Type - OTHER)	1.0	LO	██████████	██████████	\$50,000.00
7001AJ	R425	Funding in support of TI-0019 for engineering and technical support services for USMC MK154 PM Engineering Systems. (PMC)	1.0	LO	██████████	██████████	\$20,000.00
7001AK	R425	Funding in support of TI-0019 for engineering and technical support services for USMC MK154 PM Engineering Systems. (PMC)	1.0	LO	██████████	██████████	\$75,000.00

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 12 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
7001AL	R425	10 USC 2410(a) Authority is hereby invoked. Funding in support of TI-0012 for engineering and technical support services for Close Combat Weapon Systems (CCWS). (Fund Type - OTHER)	1.0	LO	██████████	██████████	\$136,500.00
7001AM	R425	10 USC 2410(a) Authority is hereby invoked. Funding in support of TI-0022 for engineering and technical support services and integration of VAS equipment. (Fund Type - OTHER)	1.0	LO	██████████	██████████	\$171,400.00
7001AN	R425	Funding in support of TI-0003 to support GBAD program. (Fund Type - OTHER)	1.0	LO	██████████	██████████	\$7,500.00
7001AP	R425	Funding in support of TI-0019 for engineering and technical support services for USMC MK154 PM Engineering Systems. (PMC)	1.0	LO	██████████	██████████	\$95,000.00
7001AQ	R425	Funding in support of TI-0019 for engineering and technical support services for USMC MK154 PM engineering systems. De-obligated by \$1,517.67 via modification 70. (PMC)	1.0	LO	██████████	██████████	\$93,482.33
7001AR	R425	Funding in support of TI-0001 for engineering and technical support services for USMC Anti-Armor Systems. (PMC)	1.0	LO	██████████	██████████	\$125,000.00
7001AS	H210	Funding in support of TI-0019 for engineering and technical support services for USMC MK154 PM Engineering Systems. (PMC)	1.0	LO	██████████	██████████	\$50,000.00
7001AT	R425	Funding in support of technical services, travel, and ODC for the GBAD program. (RDT&E)	1.0	LO	██████████	██████████	\$36,000.00
7001AU	J014	Funding in support of TI-0001 to provide maintenance, repair, and rebuilding of equipment services for USMC Anti-Armor Systems. (Fund Type - OTHER)	1.0	LO	██████████	██████████	\$295,000.00
7001AV	K025	Funding in support of TI-003 for services support of the GBAD program. (RDT&E)	1.0	LO	██████████	██████████	\$45,000.00
7001AW	R425	Funding in support of TI-0019 for engineering and technical support services for USMC MK154. (PMC)	1.0	LO	██████████	██████████	\$20,000.00
7001AX	R425	Funding in support of TI-0012 for engineering and technical support services for Close	1.0	LO	██████████	██████████	\$45,000.00

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 13 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
		Combat Weapon Systems (CCWS). (Fund Type - OTHER)					
7001AY	L010	Funding in support of TI-0022 for technical support services for GMVAS (WCF)	1.0	LO	██████████	██████████	\$27,000.00
7001AZ	K025	Funding in support of TI-0003 for GBAD support services. (PMC)	1.0	LO	██████████	██████████	\$100,000.00
7001BA	J014	Funding in support of TI-0001 for engineering, logistics, and technical support for USMC Anti-Armor Systems. De-obligated by \$8,833.02 via modification 66. (PMC)	1.0	LO	██████████	██████████	\$271,166.98
7001BB	R425	Funding in support of TI-0019 for engineering and technical support services for USCM MK154. (PMC)	1.0	LO	██████████	██████████	\$30,000.00
7001BC	K025	Funding in support of TI-003 for the GBAD program. (PMC)	1.0	LO	██████████	██████████	\$175,000.00
7001BD	R425	Funding in support of TI-0019 for USMC MK154 support. (PMC)	1.0	LO	██████████	██████████	\$30,000.00
7001BE	R425	Funding in support TI-0012 to provide engineering and technical support services for Close Combat Weapon Systems (CCWS). (Fund Type - OTHER)	1.0	LO	██████████	██████████	\$45,000.00
7002	R425	Labor Year 6. This CLIN is intended for the labor ceiling and LOE for year 6. No funding will be applied to this CLIN. Contractors shall not invoice against CLIN 7002. (Fund Type - TBD)	1.0	LO	██████████	██████████	\$8,055,340.02
7003		Contractor shall invoice the following priced SLINs in accordance with invoicing instructions in Section G.					\$1,944,659.98
7003AA	K025	Funding in support of TI-003 for GBAD program. (PMC)	1.0	LO	██████████	██████████	\$750,000.00
7003AB	J014	Funding in support of TI-0001 for engineering, logistics, and technical support for the USMC Anti-Armor Systems. (PMC)	1.0	LO	██████████	██████████	\$475,000.00
7003AC	J014	10 USC 2410(a) Authority is hereby invoked. Funding in support of TI-0001 for engineering logistics, and technical support for the USMC Anti-Armor Systems. (Fund Type - OTHER)	1.0	LO	██████████	██████████	\$215,750.00

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 14 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
7003AD	K025	Funding in support of TI-0003 in support of the GBAD program. (RDT&E)	1.0	LO	██████████	██████████ 3	\$71,536.71
7003AE	R707	10 USC 2410(a) Authority is hereby invoked. Funding in support of TI-0003 for specific NET training tasks in support of the Marine Corps GBAD systems. This funding shall not be used to fund any other tasking or task instructions. (Fund Type - OTHER)	1.0	LO	██████████	██████████	\$140,000.00
7003AF	L010	10 USC 2410(a) Authority is hereby invoked. Funding in support of TI-0022 for technical support for GMVAS. (Fund Type - OTHER)	1.0	LO	██████████	██████████	\$21,000.00
7003AG	R425	Funding in support of TI-0019 for engineering and technical support services associated with Technical Data Package and Engineering Change Proposal efforts for the USMC MK154. (PMC)	1.0	LO	██████████	██████████	\$112,616.00
7003AH	R425	Funding in support of TI-00012 for engineering, logistics and technical support for the Army Close Combat Weapon Systems (CCWS), IBAS CIV 3D Modeling Effort. (RDT&E)	1.0	LO	██████████	██████████	\$91,000.00
7003AJ	R425	Funding in support of TI-0001 for engineering, logistics, and technical support for USMC Anti-Armor Systems. (PMC)	1.0	LO	██████████	██████████	\$67,757.27

For ODC Items:

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
9000	R425	ODC Year 5. This CLIN is intended for the ODC ceiling and LOE for year 5. No funding will be applied to this CLIN. Contractors shall not invoice against CLIN 9000. (Fund Type - TBD)	1.0	LO	\$3,512,713.46
9001		Contractor shall invoice the following priced SLINs in accordance with invoicing instructions in Section G.			\$224,505.23
9001AA	R425	Funding in support of TI-0003 for the GBAD program. (RDT&E)	1.0	LO	\$30,000.00
9001AB	R425	Funding in support of TI-0021 to provide engineering and technical support services along with integration support of portable Test Carts to support operator training of the VAS Systems. (O&MN,N)	1.0	LO	\$500.00



CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 15 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
9001AC	R425	Funding in support of TI-0020 for hardware efforts to build and deliver Kapton Wiring Harness Replacement Kits in support of H-53 PMA-261. (APN)	1.0	LO	\$32,000.00
9001AD	R425	Funding in support of TI-0001 for engineering and technical support services for USMC Anti-Armor Systems. (PMC)	1.0	LO	\$6,000.00
9001AE	R425	Funding in support of TI-0012 for engineering and technical support services for Close Combat Weapon Systems (CCWS). (Fund Type - OTHER)	1.0	LO	\$4,500.00
9001AF	R425	Funding in support of TI-0019 for engineering and technical support services for USM MK154 PM Engineering Systems. (PMC)	1.0	LO	\$15,000.00
9001AG	R425	10 USC 2410(a) Authority is hereby invoked. Funding in support of TI-0012 for engineering and technical support services for Closed Combat Weapon systems (CCWS). (Fund Type - OTHER)	1.0	LO	\$17,000.00
9001AH	R425	Funding in support of TI-0001 to provide engineering and technical support services for USMC Anti-Armor Systems. (PMC)	1.0	LO	\$25,000.00
9001AJ	R425	10 USC 2410(a) Authority is hereby invoked. Funding in support of TI-0022 for engineering and technical support services and integration of VAS equipment. (Fund Type - OTHER)	1.0	LO	\$16,900.00
9001AK	R425	Funding in support of TI-0019 for engineering and technical support services for USMC MK154 PM Engineering Systems. (PMC)	1.0	LO	\$5,000.00
9001AL	R425	Funding in support of TI-0019 for engineering and technical support services for USMC MK154 PM Engineering Systems. De-obligated by \$894.77 via modification 61. (PMC)	1.0	LO	\$4,105.23
9001AM	R425	Funding in support of technical services, travel, and ODC for the GBAD program. (RDT&E)	1.0	LO	\$15,000.00
9001AN	K025	Funding in support of TI-0003 for ODC/travel support of the GBAD program. (RDT&E)	1.0	LO	\$17,500.00
9001AP	J014	Funding in support of TI-0001 to provide maintenance, repair, and rebuilding of equipment services for USMC Anti-Armor Systems. (Fund Type - OTHER)	1.0	LO	\$5,000.00
9001AQ	R425	Funding in support of TI-0012 for engineering and technical support services for Close Combat Weapon Systems (CCWS). (Fund Type - OTHER)	1.0	LO	\$4,500.00
9001AR	L010	Funding in support of TI-0022 for technical support services for GMVAS. (WCF)	1.0	LO	\$1,000.00
9001AS	J014	Funding in support of TI-0001 for engineering, logistics, and technical support for USMC Anti-Armor Systems. (PMC)	1.0	LO	\$5,000.00
9001AT	R425	Funding in support of TI-0019 for engineering and technical support services for USCM MK154. (PMC)	1.0	LO	\$3,000.00
9001AU	K025	Funding in support of TI-003 for the GBAD program.. (PMC)	1.0	LO	\$10,000.00
9001AV	R425	Funding in support of TI-0019 for USMC MK154 support. (PMC)	1.0	LO	\$3,000.00

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 16 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
9001AW	R425	Funding in support TI-0012 to provide engineering and technical support services for Close Combat Weapon Systems (CCWS). (Fund Type - OTHER)	1.0	LO	\$4,500.00
9002	R425	ODC Year 6. This CLIN is intended for the ODC ceiling and LOE for year 6. No funding will be applied to this CLIN. Contractors shall not invoice against CLIN 9002. (Fund Type - TBD)	1.0	LO	\$2,374,893.63
9003		Contractor shall invoice the following priced SLINs in accordance with invoicing instructions in Section G.			\$125,106.37
9003AA	K025	Funding in support of TI-003 for GBAD support. (PMC)	1.0	LO	\$35,000.00
9003AB	J014	Funding in support of TI-0001 for engineering, logistics, and technical support for the USMC Anti-Armor Systems. (PMC)	1.0	LO	\$25,000.00
9003AC	J014	10 USC 2410(a) Authority is hereby invoked. Funding in support of TI-0001 for engineering logistics, and technical support for the USMC Anti-Armor Systems. (Fund Type - OTHER)	1.0	LO	\$10,000.00
9003AD	R707	10 USC 2410(a) Authority is hereby invoked. Funding in support of TI-0003 for specific NET training tasks in support of the Marine Corps GBAD systems. This funding shall not be used to fund any other tasking or task instructions. (Fund Type - OTHER)	1.0	LO	\$9,500.00
9003AE	R425	Funding in support of TI-00012 for engineering, logistics and technical support for the Army Close Combat Weapon Systems (CCWS), IBAS CIV 3D Modeling Effort. (RDT&E)	1.0	LO	\$7,700.00
9003AF	K025	Funding in support of TI-0003 for GBAD support. (RDT&E)	1.0	LO	\$10,226.51
9003AG	K025	Funding in support of TI-0003 for GBAD support. (PMC)	1.0	LO	\$27,679.86

**For Cost Type Items:**

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
7000	R425	Labor Year 5. This CLIN is intended for the labor ceiling and LOE for year 5. No funding will be applied to this CLIN. Contractors shall not invoice against CLIN 7000. (Fund Type - TBD)	1.0	LO	\$8,511,132.52	\$638,624.32	\$9,149,756.84
7001		Contractor shall invoice the following priced SLINs in accordance with invoicing instructions in Section G.					\$3,027,699.91
7001AA	R425	Funding in support of TI-0003 for the GBAD program. (RDT&E)	1.0	LO	\$515,875.73	\$38,708.22	\$554,583.95
7001AB	R425	Funding in support of TI-0021 to provide engineering and technical support services along with integration support of portable test carts to support operator training of the VAS systems. (O&MN,N)	1.0	LO	\$3,720.81	\$279.19	\$4,000.00
7001AC	R425	Funding in support of TI-0020 for hardware efforts to build and deliver Kapton Wiring Harness Replacement Kits in support of H-53 PMA-261. (APN)	1.0	LO	\$218,593.98	\$16,401.98	\$234,995.96

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 17 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
7001AD	R425	Funding in support of TI-0020 for hardware efforts to build and deliver Kapton Wiring Harness Replacement Kits in support of H-53 PMA-261. (APN)	1.0	LO	\$533,006.40	\$39,993.60	\$573,000.00
7001AE	R425	Funding in support of TI-0020 for hardware efforts to build and deliver Kapton Wiring Harness Replacement Kits in support of H-53 PMA-261. (APN)	1.0	LO	\$447,948.62	\$33,611.38	\$481,560.00
7001AF	R425	Funding in support of TI-0020 for hardware efforts to build and deliver Kapton Wiring Harness Replacement Kits in support of H-53 PMA-261. (APN)	1.0	LO	\$447,948.62	\$33,611.38	\$481,560.00
7001AG	R425	Funding in support of TI-0001 for engineering and technical support services for USMC Anti-Armor Systems. (PMC)	1.0	LO	\$584,167.57	\$43,832.43	\$628,000.00
7001AH	R425	Funding in support of TI-0012 for engineering and technical support services for Close Combat Weapon Systems (CCWS). (Fund Type - OTHER)	1.0	LO	\$46,510.16	\$3,489.84	\$50,000.00
7001AJ	R425	Funding in support of TI-0019 for engineering and technical support services for USMC MK154 PM Engineering Systems. (PMC)	1.0	LO	\$18,604.06	\$1,395.94	\$20,000.00

**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 407,311 man-hours per year, with the mix recommended in Attachment 4 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: OTHER DIRECT COSTS**

The Government estimates total ODCs for this TO to be \$7,312,001. ODCs should be proposed as prescribed in Section L, paragraph 3.4.4.

**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 part 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 part associated with collected 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) (NAVSEA) (MAY 1993)**

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 18 of 136	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 equal to [REDACTED] of the allowable cost of each invoice 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 (percentage of fee is based on fee dollars divided by estimated cost dollars, including facilities capital cost of money). Total fee(s) paid to the Contractor shall not exceed the fee amount(s) set forth in this contract.

(c) The fee(s) specified in SECTION B, and payment thereof, is subject to adjustment pursuant to paragraph (g) of the special contract requirement entitled "LEVEL OF EFFORT." If the fee(s) is reduced and the reduced fee(s) is less than the sum of all fee payments made to the Contractor under this contract, the Contractor shall repay the excess amount to the Government. If the final adjusted fee exceeds all fee payments made to the contractor under this contract, the Contractor shall be paid the additional amount, subject to the availability of funds. In no event shall the Government be required to pay the Contractor any amount in excess of the funds obligated under this contract at the time of the discontinuance of work.

(d) Fee(s) withheld pursuant to the terms and conditions of this contract shall not be paid until the contract has been modified to reduce the fee(s) in accordance with the "LEVEL OF EFFORT" special contract requirement, or until the Procuring Contracting Officer has advised the paying office in writing that no fee adjustment is required.

#### **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.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 19 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

## SECTION C DESCRIPTIONS AND SPECIFICATIONS

### STATEMENT OF WORK (SOW) FOR MOBILITY SYSTEMS ENGINEERING HARDWARE SUPPORT

#### 1.0 SCOPE

This SOW sets forth the requirements for non-personal professional engineering, technical, acquisition engineering and program management support services for hardware requirements in support of the programs identified below in the Mobility Systems Engineering Branch (JXSQ) of the Maneuver and Engagement Division, at the Naval Surface Warfare Center (NSWC), Crane Division. This support is in the areas of scientific/engineering analysis and studies, test and evaluation, technical data support, field engineering, integrated logistics support, configuration management, facility engineering, program management support services, and data management support.

These services are in support of hardware requirements for the systems, subsystems, components and equipment and integrated electronic operations of the Mobility Systems Engineering Branch. The services required are for program management support services, analysis, feasibility studies, research and development, rapid prototype, target and requirements development, collection concept of operations, technology research, system design, development and rapid delivery of highly specialized Mobility Systems to meet critical operations missions.

The Contractor shall perform, as specified in each Technical Instruction (TI), supporting hardware efforts under the cognizance of the Mobility Systems Engineering Branch for NSWC Crane. This support includes requirements generated by the Expeditionary Warfare Community, Ground Based Air Defense (GBAD), Ground Mobility Visual Augmentation System (GMVAS), Rotary Wing Platforms, Anti-Armor Systems (AAS), Assault Amphibious Vehicle (AAV), Mine-Resistant Ambushed Protected (MRAP) Vehicle, and requirement for Mobility Systems Engineering programs to support the United States Army, United States Marine Corps, United States Navy, Special Operations Command (SOCOM), and other Department of Defense Agencies.

#### 1.1 Background

Crane Division is a component of the NSWC, Naval Sea Systems Command (NAVSEA). The site is located in Crane Indiana, which is in southern Indiana approximately 70 miles southwest of Indianapolis, Indiana. The Division provides full spectrum support to its customers with principal emphasis on excellence in those areas, which the Division has leadership responsibility.

The Mobility Systems Engineering Branch is one of the six (6) branches within the Maneuver and Engagement Division, of NSWC Crane that serves a modern and sophisticated Navy as a recognized leader in diverse and highly technical product lines in the areas of electronics and electronic warfare.

#### 1.2 Applicable Contract Paragraphs

This Task Order (TO) applies to the following SOW paragraphs of the basic SeaPort Enhanced (SeaPort-e) Multiple Award Contract (MAC):

<u>Basic SOW</u>	<u>Para Task Requirements</u>
3.1	Research and Development Support
3.2	Engineering, System Engineering, and Process Engineering
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, Performance, and Usability Engineering Support
3.9	System Safety Engineering Support

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 20 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

- 3.10 Configuration Management (CM) Support
- 3.11 Quality Assurance Support
- 3.14 Interoperability, Test and Evaluation, Trials Support
- 3.15 Measurement Facilities, Range, and Instrumentation Support
- 3.16 Logistics Support
- 3.17 Supply and Provisioning Support
- 3.18 Training Support
- 3.19 In-Service Engineering, Fleet Introduction, Installation, and Checkout Support
- 3.20 Program Support

## 2.0 APPLICABLE DOCUMENTS

Unless otherwise specified, the revision level and date for each specification or standard cited within the solicitation/contract (including any specifications or standards cited in any drawing, handbook, or referenced specification or standard contained within this solicitation), shall be that listed in the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto. In the event of a conflict between the documents referenced herein and the contents of this SOW, the contents of this SOW shall prevail.

### 2.1 Military Specifications and Standards

MIL-HDBK-61A	Configuration Management Guidance
MIL-HDBK-259	Life Cycle Cost in Navy Acquisitions
MIL-STD-1472F(1)	Human Engineering
MIL-STD-31000	Technical Data Packages
DOD-STD-2101	Classification of Characteristics
MIL-STD-2073-1E	Military Packaging, Standard Practice for
MIL-PRF-49506 NOT 1	Logistics Management Information
MIL-HDBK-217F (2)	Reliability Prediction of Electronic Equipment
MIL-HDBK-470A NOT 1	Designing and Developing Maintainable Products and Systems, Vol. 1
MIL-HDBK-472(1)	Maintainability Prediction
MIL-HDBK-235/1B NOT 1	Electromagnetic (Radiated) Environment Considerations for Design and Procurement of Electrical and Electronic Equipment, Subsystem and Systems
MIL-HDBK-237D	Electromagnetic Environmental Effects and Spectrum Supportability Guidance for the Acquisition Process
MIL-STD-461F	Requirements for the Control of Electromagnetic Interference Characteristics of Subsystems and Equipment
MIL-HDBK-502 NOT 1	Acquisition Logistics
MIL-STD-882D	System Safety
MIL-STD-129P(4)	Military Marking for Shipment and Storage

### 2.2 Other Government Documents

ASME Y14.100-2004	Engineering Drawing Practices
EIA649	National Consensus Standard for Configuration Management
NAVSEAINST 3960.2D	Test and Evaluation
NAVSEAINST 4000.6A	Data Management Program
NAVSEAINST 4130.12B	Configuration Management (CM) Policy and Guidance
DOD-D-5000.3-M-4	Joint Test and Evaluation Procedures Manual
OPNAVINST 5100.23	Occupational Safety and Health Manual
OPNAVINST 5102.1D	Navy and Marine Corps Mishap and Safety Investigation Reporting and Record Keeping Manual
DOD 5200.1-RCE-02	Information Security Program Regulation

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 21 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

DOD 5200.28M	ADP Security Manual
DOD 5220.22	National Industrial Security Program
DoD 5000.2-R	Mandatory Procedures for Major Defense Acquisition Programs (MDAPS) and Major Automated Information System (MAIS) Acquisition Programs
SECNAVINST 5233.1B	DoN Automated Data Systems Documentation Standards
OPNAVINST 5239.2	Information Security Systems
SECNAV NOTE 5215	Standards of Conduct and Government Ethics
NAVFACINST 11010.45	Regional Planning Instruction
NAVFAC P-1021	Navy Shore Establishment Fire Protection/Prevention Program
OPNAVINST 11010.33C	Procurement, Lease and Use of Relocating Buildings
NAVSEAINST 5400.57D	Engineering Agent Selection, Assignment, Responsibility, Tasking, and Appraisal
NSACRANEINST 5510.1	Information Personnel and Industrial Security Manual
NSACRANEINST 11300.1A	NSA Crane Energy Management Plan
NSACRANEINST 11320.2	Fire Protection Manual
NSWCCRANEINST 11240.1	Transportation Services Policy

### **3.0 REQUIREMENTS**

The Contractor shall provide all labor, material, travel and administrative costs to support the following tasking.

#### **3.1 Research and Development Support**

##### **3.1.1 Applied Research and Development**

The Contractor shall perform specific research and development tasks for hardware efforts supporting the Mobility Systems Engineering Branch as identified in a TI.

##### **3.1.1.1 Trade Studies, Analyses, Technical Evaluations and Assessments**

The Contractor shall perform trade studies, engineering/technical analyses and other technical evaluations and assessments for the specified tasks. This may include the performance of in-depth technical analysis of an initiative's attainability, operational and doctrinal impacts, as well as an assessment of future acquisition related issues.

##### **3.1.1.2 Data Gathering**

The Contractor shall conduct data gathering and perform site surveys required to support and conduct technical studies and analyses, exercises and demonstrations, contingencies, quick reaction tasks, and other requirements.

##### **3.1.1.3 Simulation and Modeling Analyses/Trade Studies**

The Contractor shall assist in the development of simulation and modeling analyses/trade studies of initiative systems, process planning and other requirements as directed in the TIs. The Contractor shall assist in developing and improving technology management planning processes and procedures, serve on working groups and Integrated Product Teams (IPTs). The Contractor shall assist in the development metrics that show the value of effort, project status and cost efficiency and document in a technical report.

##### **3.1.1.4 Demonstration Support**

The Contractor shall support the definition, planning, coordination, implementation, manning, data collection, training, maintenance, troubleshooting and evaluation of initiatives related systems/equipment demonstration. Locations for demonstrations will be defined in each TI. Anticipated locations include NSWC Crane, Indiana and other Military facilities throughout the Continental United States (CONUS) and Outside the Continental United States (OCONUS) as directed by the Government. Each TI will include the necessary Contract Data Requirements List(s) (CDRLs) to identify the delivery of plans/procedures, briefings, data collection sheets, and other related documentation required to support a demonstration or generated as a result of a demonstration.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 22 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

### **3.1.2 Operations Research Support**

As required by the TI, the Contractor shall construct, modify and/or perform statistical/analytical investigations of and with mathematical/computer simulation models. This also requires aerodynamic modeling, interior and exterior ballistic modeling, missile fly-out modeling, tactics investigation through simulation, establishment of optimization techniques, derivation of decision theories, development of inventory control models, conducting probability and statistical theories, and providing independent analytical assessments of systems, subsystems, equipment, components and other organizational structures. The Contractor shall perform and document requirements studies and hardware definitions, and participate, coordinate, and conduct field testing at Crane Division or any Fleet or Shore Station location worldwide as required by TI and In Accordance With (IAW) Government Furnished Information (GFI).

## **3.2 Engineering, System Engineering and Process Engineering Support**

### **3.2.1 Knowledge Management**

The Contractor shall provide advanced knowledge management (KM) expertise and solutions to effectively manage the Department of Defense (DoD) Special Communication Enterprise (DSCE); improve collection and analysis of Special Communication target and sensor requirements and capabilities; structure technical data repositories for better retrieval; provide collaborative online tools; create web portal to disseminate technical data to DoD's Special Communications users; and devise new KM tools, techniques and practices to better leverage the scientific, engineering, technical and support staff expertise for rapid research, design, development, and delivery of target and sensor solutions, utilizing MIL-STD-2073-1E and NAVSEAINST 5400.57D as applicable.

### **3.2.2 Scientific, Engineering and Technical Support Services**

As specified by the TI, the Contractor shall provide engineering and technical support for the research, design, development, modeling, analysis, firmware support, safety analysis and engineering related logistics for the procurement, production, maintenance, disposal (life-cycle management) and related services. These services shall be for the Command, Control, Communications, Computers and Information (C4I) systems, Intelligence, Surveillance, and Reconnaissance (ISR), undersea systems, acoustic systems, systems, supported systems, subsystems, equipment and components. The tasks shall include: aircraft, land or water borne vehicles and gun systems; shoulder-launched explosive ordnance; precision guided munitions and weapons; targets; naval platform self protection; aerial platforms; weapons mounts; fire control systems; anti-terrorism/force protection systems/equipment; defense security systems; infrared (IR) imaging and optic(s) support; command and control systems; microelectronic mechanical systems; missiles and missile defense and tactical software and firmware and unmanned systems, along with other systems and equipment that become available during the TO performance period.

Engineering support requires research; design; evaluation, developmental, qualification and Operational Evaluation (OPEVAL), fabrication and testing, product engineering, electronics integration, test fixture design and value engineering, systems integration, reverse engineering, safety and failure analysis, test planning, acquisition, sustainment support, demilitarization/disposal engineering, repairs, both at Crane Division and at other locations. The Contractor shall also provide scientific, engineering and technical expertise, assistance and support services in information architecture and collection concept of operations. This shall include special reviews, studies, explorations, and investigations; and utilizing market research to adapt technologies for the design and development of expert technical findings and recommendations in key areas of special communications sensors and target systems.

The Contractor shall perform multi-target and sensor correlation studies, modeling and simulation, gap analysis; reviewing operations, scientific, technical, and test documents including drafts, drawings, illustrations, diagrams, manuals, procedures, plans, reports, data, journals, bulletins, and engineering information systems to identify promising technologies; coordinating with other technical specialists within the Government; conducting market research such as with academia and industry; researching technical topics for their special communications potential; recommending new initiatives; tracking ongoing development work, and designing and developing special communications requirements. As specified by the TI, the Contractor shall prepare recommendations on



CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 23 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

technical points, target economic positions, strategic market focus, and directional guidance on the full spectrum of special communications target and sensor systems.

The Contractor shall perform engineering, and technical research, development and analysis, and systems engineering; identifying current and evolving technologies, current and future capabilities in the field of targets or sensors activities, capabilities, and trends; logistics; reverse engineering; and other sciences in technology and engineering fields of interest pertaining to targets and sensors. The Contractor shall utilize MIL-PRF-49506 NOT 1 as a guide in performing logistical functions, and Standardization Directory 5 (SD-5) for market research function.

### **3.2.3 Reverse Engineering**

As specified by the TI, the Contractor shall perform reverse engineering on systems, subsystems, equipment and components and deliver to the Government a design disclosure technical data package meeting the requirements of MIL-DTL-31000, DOD-STD-2101, ASME Y14.5M-94, and ASME Y14.100 2004. The Government will provide to the Contractor one or more copies each, unless stated otherwise, of the systems, subsystems, equipment and components and all available documentation. Details concerning the substitution of piece parts and requirements concerning logistic equivalency (exact reproductions) will be provided by the TI. As required by the TI, the Contractor shall produce prototypes of hardware resulting from reverse engineering. Prototype quantity shall not exceed the quantity necessary for validation and will be specified by the TI.

### **3.2.4 Manufacturing Engineering and Technology Support**

As required by the TI, the Contractor shall prepare manufacturing procedures and/or processes for systems, subsystems, equipment and components. The Contractor shall perform manufacturing engineering and technology services related to the following delineated tasks:

- a. Design (manual and Computer Aided Drafting (CAD)/Computer Aided Manufacturing (CAM) of electro-mechanical or mechanical items
- b. Equipment and facility requirement studies and planning
- c. Production cost estimating
- d. Production "make-or-buy" decision-making analysis
- e. Production capability assessment studies and surveys
- f. Production engineering
- g. Production/process evaluation
- h. Manufacturing process development
- i. Development of CAD or CAD/CAM media

### **3.2.5 Engineering Change Kits**

As specified by the TI, the Contractor shall develop, assemble, deliver and install engineering change kits. Source material, special equipment, and tools may be provided to the Contractor as GFI and Government Furnished Material (GFM).

### **3.2.6 Engineering Change Proposal (ECP) Preparation**

The Contractor shall prepare, review, analyze, and assess ECPs from documentation provided as GFI and make recommendations for engineering change orders and technical directives with supporting rationale. As specified by the TI, the Contractor shall develop, prepare, validate, and deliver ECPs IAW ANSI EIA-649.

### **3.2.7 Production Engineering Support and Evaluation**

The Contractor shall ensure that sufficient data has been generated for systems, subsystems, equipment and component reproducibility, shall perform production related engineering tasks, and shall evaluate system, subsystem, equipment and component manufacturing proposals IAW specifications delineated in the TI. The Contractor shall evaluate and develop procedures and acceptance criteria for test and evaluation; maintenance and logistics requirements; and manufacturing processes, methods, and technologies incidental to development and initial production for new systems, subsystems, equipment and components and major modification or

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 24 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

improvement programs for existing systems, subsystems, equipment and components.

### **3.2.8 Manufacturing Engineering**

The Contractor shall review and analyze manufacturing technologies and/or processes both in the Government and in the private sector and provide a report to the Government on their application to Government system, subsystem, equipment and component acquisitions. In the event that the technologies and/or processes involve propriety information, the Contractor will enter into a non-disclosure agreement with the manufacturer, if possible. The Contractor shall provide any assumptions made or rationale used in completing the analysis. The Contractor shall prepare manufacturing procedures and/or processes and submit to the Government as specified by TI.

### **3.2.9 Scientific/Engineering Analyses and Studies**

As specified by the TI, the Contractor shall evaluate proposed engineering changes, perform feasibility studies, and investigate and resolve issues in the areas of technology application and insertion, and item performance and reliability for hardware systems. The Contractor shall submit findings to the Government to also include any assumptions made or rationale used in arriving at conclusions.

### **3.2.10 Field Engineering**

The Contractor shall perform field-engineering tasks at Crane Division locations, private Contractor facilities and Fleet and shore locations worldwide related to installing, trouble-shooting and maintaining deployed equipment repair kits, new items and components IAW applicable operational specifications as specified in the TI.

## **3.3 Modeling, Simulation, Stimulation, and Analysis Support**

### **3.3.1 Mathematical/Hardware-In-The-Loop Simulation**

As specified by the TI, the Contractor shall make new as well as utilize existing simulations, or modify existing simulations, of missile, gun, terminal effects, directed energy and other types of weapon systems. The simulations shall include specific countermeasures employed against these systems when required by the TI. The weapon systems may be either foreign or domestic. The Contractor shall provide computer code, documentation and analysis services as required in the TI.

### **3.3.2 Production Engineering Analysis**

The Contractor shall analyze production costs and manufacturing problems; review production changes, waivers, and deviations; attend quality assurance audits and surveys; and identify problems and progress concerning production, physics, and quality assurance. The Contractor shall survey advanced technology approaches to similar problems both in the Government and the private sector and make recommendations. The Contractor shall provide a report IAW the requirements that include justification for all recommendations.

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

The following system support tasks for the Mobility Systems Engineering Branch are provided herein to serve as a basic framework for tasking which will be specifically identified in each TI issued under this TO. Each TI will indicate a specific system and identify the system support tasks required.

### **3.4.1 Design Influence/Concept Definition**

The Contractor shall provide expertise required for manufacturing, sustainment, planning, and coordination. The Contractor shall participate in the development and documentation of manufacturing-related design constraints and readiness requirements.

### **3.4.2 Manufacturing Science and Technology (MS&T) Application**

The Contractor shall provide technical expertise for the planning, management, technical direction, and/or execution of MS&T and Reliability, Maintainability & Sustainability (RM&S) programs. The effort may include manufacturing research, development, and applications effort in the diverse technological fields of metals, non-metals, composites, propulsion systems, electronics, optics, photonics, and chemical processing.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 25 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

### **3.4.3 Manufacturing Improvement**

The Contractor shall establish and/or maintain technical expertise and database(s) in order to evaluate and improve manufacturing productivity and costs in support of the manufacture of systems. The effort may include:

- a. Facilitate coordination of productivity improvement programs.
- b. Evaluate manufacturing technology effectiveness in support of the defense industrial base.

### **3.4.4 Production Engineering (PE)**

The Contractor shall provide PE technical expertise throughout the acquisition and development life cycle. The effort may include:

- a. Perform life cycle producibility and system engineering analyses to ensure material production readiness. Also perform the necessary planning, facilities development, and producibility assurance to efficiently manufacture and deliver the material at desired rates, subject to cost, schedule constraints, and performance requirements.
- b. Analyze design options for producibility utilizing in-house rapid prototyping capabilities.
- c. Provide technical expertise for Integrated Product Development (IPD) and implementation through policies, training and education, IPD strategy assistance, and IPD team participation in the areas of producibility, manufacturing, and systems engineering.

## **3.5 System Design Documentation and Technical Data Support**

### **3.5.1 Systems Integrations**

As required by the TI, the Contractor shall identify and document data to ensure system, subsystem, software, equipment and component compatibility; identify and provide recommended solutions to interface problems; review and monitor system tolerances; perform system tests to assess performance, safety, operability, reliability and maintainability; and review engineering change proposals for impact on systems interface IAW GFI. The Contractor shall record all recommendations made to the Government and annotate with rationale and justification all assumptions used to arrive at the recommendations as per SECNAVINST 5233.1B.

### **3.5.2 Design Engineering**

The Contractor shall perform design engineering on supported Mobility systems, subsystems, equipment and components as specified by the TI. The Contractor shall develop and/or fabricate engineering design, development, qualification, OPEVAL and production prototypes; modify original designs; identify and/or complete design validation testing; prepare technical data packages, product assurance and safety requirements; prepare maintenance support documentation; review engineering changes, waivers and deviations for impact on design, performance, safety, and producibility; develop test equipment, tools, jigs and fixtures to support production acceptance, life-cycle quality evaluation and maintenance of systems, subsystems, equipments, software, and components. As required by the TI, the Contractor shall prepare, review or support design of new items and improvements to existing items. All designs and design changes shall be documented in their as-built configuration and presented as developmental (Level II) or production (Level III) drawings and specifications, unless otherwise requested in the TI. Presentation will be in electronic format accessible to Government personnel as requested in the TI. Prototypes are components, fixtures or equipment or group of equipment useful as ordnance or in the processing of ordnance. This definition is not limited to one (1) item but is of sufficient quantity to validate the design. Exact numbers may vary. Repair, change and/or modification may be required to perfect the design.

### **3.5.3 Design Review**

The Contractor shall review and evaluate supported system, subsystem, equipment and component designs provided as GFI to establish compliance with mission and other specified requirements. This requires analyses to identify potential impacts on performance, reliability, containability, user interface, logistics, schedule, and cost.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 26 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

The Contractor shall attend design review meetings as required by the individual TIs. The Contractor shall provide a written evaluation of design or design changes as specified by TI, along with the rationale after completing the analysis.

### **3.5.4 Installation of New Equipment**

The Contractor shall develop and maintain a plan to perform shipboard and land based checks IAW installation drawings and specifications in preparation for installation of new equipment as specified by the TI. The Contractor shall perform on-site survey in preparation for new equipment installation. The Contractor shall annotate ships class and other applicable drawings accordingly; however, these annotations will not constitute a change to the drawing content. The Contractor shall monitor and verify first system, subsystem, equipment and component installation against applicable installation control drawings and procedure and recommend changes if required. The Contractor shall review and provide recommendations on system, subsystem, equipment and component installation requirements and documentation and shall furnish the Government these recommendations with justifications.

## **3.6 Software Engineering, Development, Programming, and Network Support**

### **3.6.1 Technology Support**

The Contractor shall perform technology support tasks for hardware efforts supporting the Mobility Systems Engineering Branch as identified in the TI.

#### **3.6.1.1 Technology Transfer**

The Contractor shall perform technology transfer activities that will be integrated into the plans and objectives of each task and project. These activities shall include the following as appropriate, modern experimental and analytical methods and equipment for synthesis of materials, structures and property measurements, process simulation, and risk assessment to develop specific process and product designs and applications. Full scale equipment evaluation and control system implementation may be conducted to verify the experimental and analytical results. These results, as well as the tools and methods developed and enhanced, will be transferred to the Government.

#### **3.6.1.2 Supportability/Technology Insertion**

The Contractor shall provide technical advice and recommendations on issues such as electrical/electronic/mechanical parts and assemblies redesign or alternate sourcing for items identified.

#### **3.6.1.3 Technology Upgrade**

The Contractor shall assist in researching candidates for technology upgrades. The Contractor shall review processes and provide recommendations, with written rationale, on methods for the sponsor to better take advantage of integrating new technology opportunities.

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

### **3.7.1 Maintenance Engineering**

As specified by the TI, the Contractor shall develop and maintain maintenance concepts tasks and criteria for all levels of maintenance; perform design reviews and test evaluations to minimize maintenance support; define tasks to be performed at all levels of maintenance; prepare or evaluate technical documentation such as repair standards, drawings, specifications, test plans and procedures, and allowance parts lists; compare or review maintenance facility design criteria; develop or review personnel training criteria; develop or review provisioning of parts; establishing part replacement factors and source maintenance and recoverability coding; review production engineering changes for impact on maintenance support; prepare/review installation design and physical layout for reliability and ease of maintenance; and develop or review installation standards and practices. The Contractor shall develop maintenance concepts and criteria IAW applicable documents identified in individual TIs and provide to the Government all justification for any assumptions used.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 27 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

### **3.7.2 Reliability**

As specified in the TI, the Contractor shall perform reliability predictions utilizing MIL-HDBK-217F (2) as guidance and submit properly completed Failure Mode, Effects, and Critically Analysis (FMECA)-Maintainability Information Worksheets. The Government will provide the Contractor design, configuration, and mission data and access to Government personnel to enable the Contractor to adequately perform these predictions. The Contractor shall evaluate and annotate reliability predictions prepared by development Contractors and submit them with any supporting information to the Government. For fielded systems, subsystems, equipment and components, the Contractor shall develop, collect, categorize, and summarize field data to verify previous reliability predictions and identify trends and design changes to improve reliability. For Non-Developmental Item (NDI) systems, subsystems, equipment and components the Contractor shall perform the same work regarding reliability as specified by the TI.

### **3.7.3 Maintainability**

The Contractor shall perform maintainability analyses and prepare maintainability planning documentation IAW MIL-HDBK-470A NOT 1 and MIL-HDBK-472(1) on systems, subsystems, equipment or components as specified by the TI. Their tasks involve:

- a. Generation of Maintainability Program Plans
- b. Formulation of Maintainability Predictions
- c. Maintainability Analyses to include maintenance concepts, preventive maintenance studies, personnel and facility constraints identification, and evaluation of equipment troubleshooting techniques and procedures.
- d. Maintainability Design Criteria Studies
- e. Maintainability Demonstration Testing

The Contractor shall perform/attend maintainability program reviews on systems, subsystems, equipment or components as specified by the TI, record and report any discrepancies/problems, formulate recommendations to resolve these discrepancies/problems and submit these recommendations with supporting rationale to the Government.

### **3.7.4 Failure Modes and Effects Analysis**

As specified by the TI, the Contractor shall perform an independent Failure Mode, Effects, and Criticality Analysis (FMECA) on system, subsystem, equipment or component design and deliver to the Government completed FMECA-Maintainability Information Worksheets. The Government will provide a complete description of the subject design, its performance requirements and access to the Government design staff.

### **3.7.5 Maintenance Data Analysis**

As specified by the TI, the Contractor shall analyze the Navy's maintenance data with respect to system, subsystem, equipment or component's reliability and maintainability. The Government will provide access to the maintenance data. The Contractor shall provide the results of this analysis IAW individual TI specifications and requirements and involves Mean Time Between Failure (MTBF), replaceable item failure rates, and operational availability, utilizing NAVSEAINST 4000.6A as applicable.

### **3.7.6 Failure and Field Performance Analysis**

The Contractor shall investigate failures of systems, subsystems, equipment and components to isolate the causative defect and recommend to the Government possible corrective actions. The Contractor shall perform an analysis of system, subsystem, equipment and component performance through an assessment of data generated during fleet maintenance, testing, or training exercised. Analyses may also be required for failures/performance at Crane Division and the shore stations and may take place at any location worldwide. The analyses to be performed by the Contractor shall be IAW requirements stated in the TI and involves system performance data, maintenance data, mishap reports, and false rejection data. The Contractor shall perform technical feedback reports IAW the TI.

### **3.7.7 Transient Electromagnetic Pulse Emanation Standard (TEMPEST) Analysis**

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 28 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

The Contractor shall provide engineering analysis for systems, subsystems, equipment and components for TEMPEST considerations. These TEMPEST investigations require preparation of TEMPEST control plans, evaluations, testing, certification reports, and TEMPEST reports as specified by TI.

### **3.7.8 Electromagnetic Analysis**

The Contractor shall perform and document engineering analyses, studies, and testing concerning the areas of Electromagnetic Interference (EMI), Electromagnetic Compatibility (EMC), Electromagnetic Pulse (EMP) penetration and hardening protection support for systems, subsystems, equipment and components IAW MIL HDBK 235/1B NOTE 1, MIL-HDBK-237D, MIL STD 461F and as specified by TI. The Contractor shall provide reports to the Government with supporting rationale for any assumptions made during the preparation of these reports. Engineering investigations in this area will require analyses on the following additional topics and items.

- a. Mechanical and electronic packaging technology
- b. Mechanical and thermal modeling
- c. Item packaging and mounting technologies
- d. Component design and integration
- e. System, subsystem, equipment and component testing (electronic and mechanical)
- f. EMC Control Plan
- g. EMC Test Plan/Test Report

### **3.7.9 Environmental Impact Statements**

For systems, subsystems, equipment, components and facilities specified by TI, the Contractor shall prepare or review environmental impact statements and assessments. The Contractor shall provide written reports on findings with assumptions made and recommendations.

### **3.7.10 Maintenance Planning**

Using GFI, the Contractor shall perform engineering analyses or technical assessments of maintenance concepts and plans IAW MIL-HDBK-502 NOTE 1. The maintenance concept and specific logistic support resources required at each maintenance level shall be examined to ensure the plan is consistent with overall mission requirements. The Contractor shall prepare and submit a report on this analysis with respect to mission requirements, and shall provide recommendations as to any modifications and shall provide supporting information and rationale. With GFI, the Contractor shall, as specified by TI, prepare maintenance plans for specified systems, and perform Logistic Management Information (LMI) Analyses IAW MIL-HDBK-502 NOTE 1.

### **3.7.11 Repair Analysis**

The Contractor shall perform technical assessments of the repair analysis for systems, subsystems, equipment and components listed in the individual TI to ensure their conformance with the guidance of MIL-HDBK-502 NOTE 1 or as required by TI, and shall specify the method or model used for the repair analysis. Proper extraction and use of LMI data, proper selection of sensitivity parameters/ranges, accuracy and validity of data inputs and relevance of conclusions based on review of output decisions shall be assessed. Inconsistencies and errors shall be documented with recommendations of the level of repair and all supporting information and findings accompanying the report.

### **3.7.12 Maintenance Data Collection**

For systems, subsystems, equipment and components specified by the TI, the Contractor shall collect the Navy's maintenance data with respect to reliability and maintainability. The maintenance data will be provided as GFI. The Contractor shall provide, as specified by the Government, the results of this analysis and shall include MTBF, validation plan for MTBF calculations, replaceable item failure rates, and Operational Availability (OA) IAW the TI.

### **3.7.13 Maintenance Plan Technical Assessment**

The Contractor shall conduct engineering and technical assessments of maintenance plans for systems, subsystems, equipment and components IAW the concepts and procedures required by the TI. Analyses require complete

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 29 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

operational scenarios and consider factors related to mission definition factors, life cycle, utilization requirements, and effectiveness factors for operational maintenance and support data and environmental considerations IAW the TI.

### **3.7.14 Depot Planning**

The Contractor shall prepare plans for the development and formal certification of maintenance depots and designated overhaul points IAW and as specified by the TI. Each plan shall define how certification will be performed, the participants and their responsibilities, schedule milestones, and shall contain requirements for reports and records. The Contractor shall review the depot's technical and maintenance overhaul and repair standards, control manuals, work instructions, and other published technical data used by technicians during overhaul and repair of equipment. Review shall be for compliance with requirements specified in the TI. As required by the TI, the Contractor shall record results of depot and DoD certification audits and prepares reports for the Government.

## **3.8 Human Factors, Performance, and Usability Engineering Support**

### **3.8.1 Human Engineering**

As required by the TI, the Contractor shall evaluate and annotate Government Furnished human engineering program plans, analysis reports, test plans/procedures, and other human engineering related documentation. The Contractor shall check engineering drawings for design compliance with MIL-STD-1472F (1), report discrepancies, and submit recommendations with supporting evidence for resolution. The Contractor shall attend human engineering reviews and demonstrations, testing, and mockup/model reviews: record discrepancies; and formulate recommendations for resolution.

## **3.9 System Safety Engineering Support**

### **3.9.1 Safety Engineering**

As specified by the TI, the Contractor shall prepare system safety program plans, safety site surveys/plans, tracking procedures, hazard lists, hazard analyses, safety evaluation and testing plans/procedures, reports, safety related ECPs, and other safety and hazard engineering documents, utilizing OPNAVINST 5100.23 as applicable. As specified by the TI, the Contractor shall evaluate and annotate Government furnished system safety program plans, tracking procedures, hazard lists, safety evaluation and testing plans/procedures, reports, safety-related ECP, and other safety and hazard engineering documents as per OPNAVINST 5102.1D. Evaluation shall be for compliance with MIL-STD-882D and other specified requirements. The Contractor shall recommend changes to documents to more precisely define safety objectives and facilitate their translation into functional hardware and software. The Contractor shall attend System Safety Program Reviews and monitor Hazard Tracking and Risk Resolution efforts. The Contractor shall also perform safety analyses on systems, subsystems, equipment and components and provide the Government with reports concerning their safety hazards, potential safety hazards, and possible solutions.

## **3.10 Configuration Management (CM) Support**

### **3.10.1 Configuration Management (CM)**

As required by the TI, the Contractor shall apply engineering and analytical disciplines to ensure that the processes and products used in the design, development, fabrication, manufacture, and installation result in quality products IAW applicable specifications and Configuration Management (CM) plans as per NAVSEAINST 4130.12B and MIL-HDBK-61A.

## **3.11 Quality Assurance (QA) Support**

### **3.11.1 Quality Assurance**

The Government will monitor the Contractor's contract work performance under this TO by requiring progress reports, conducting on-site inspections, and inspecting contract deliverables for compliance with TI requirements.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 30 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

### 3.11.2 Engineering Investigations

As specified by the TI, the Contractor shall perform on-site engineering investigations to evaluate item reliability, maintainability, availability, logistics support, and configuration status IAW applicable drawing specifications and appropriate status IAW applicable drawing specifications and appropriate Integrated Logistics Support Plan (ILSP) and CM plans. The Contractor shall report the results of such investigations along with recommendations and the basis for those recommendations as specified in the TI. The Contractor shall organize and attend on-site working sessions in the fleet to resolve problems and improve performance in the areas of maintenance and operation in order to satisfy the requirements in the TI.

### 3.11.3 ISO Certification

The Contractor shall maintain ISO 9001:2000 Certification, or industry equivalent for the design, development, integration, installation and support.

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

### 3.13 Inactivation and Disposal Support – N/A

### 3.14 Interoperability, Test and Evaluation, Trials Support

#### 3.14.1 Test & Evaluation

The Contractor shall conduct Test and Evaluation (T&E) and Validation and Verification (V&V) activities for specified systems as per NAVSEAINST 3960.2D and DOD-D-5000.3-M-4. Tasking includes testing and evaluating systems, subsystems, software, equipment and components as specified by the TI both locally and at other test sites and locations. As specified by the TI, the Contractor may be required to provide test sites and equipment along with testing services including ranges and equipment for testing a variety of systems, subsystems, equipment and components to include ordnance. Tasks required are: routine repair, retrofit, systems integration, calibration and testing; in-line repair and testing; operation of test equipment; coordinate test schedules; preparing inputs for test plans; reviewing test plans and procedures; conducting or monitoring system, subsystem, equipment or component testing; adjusting units under test; analyzing test results; determining valid recommendations and conclusions based on test data; and preparing formal reports. Any equipment repair required keeping the test and evaluation process operating is part of this tasking as defined by individual TIs. As specified by the TI, the Contractor shall submit evaluations along with the rationale for these evaluations to the Government.

#### 3.14.2 Test Plans and Procedures

As specified by the TI, the Contractor shall develop system, subsystem, equipment and component test and evaluation plans from program requirements and information provided by the Government. Such test plans may require:

Test and Evaluation Master Plans (TEMP)	As specified by the TI
Technical Evaluation (TECHEVAL) Plans	As specified by the TI
Operational Evaluation (OPEVAL) Plans	As specified by the TI
System Qualification and First Article Qualification Test Plans	As specified by the TI
Production Acceptance Test	As specified by the TI
Evaluation Plans (PAT&E)	As specified by the TI
Quality Evaluation (Surveillance) Test Plans	As specified by the TI

The Contractor shall evaluate and annotate test plans originated by other agencies/Contractors provided as GFI. Evaluation of plans and procedures shall be for compliance with specified requirements, for adequacy to demonstrate or control system, subsystem, equipment and component quality and performance, and for ease of implementation, IAW detailed requirements specified by the TI. The Contractor shall submit an evaluation report



CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 31 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

on the adequacy of such plans and provide rationale and assumptions made. The Contractor shall also develop detailed test procedures implementing test plan requirements in areas that require environmental and biological hazard analysis, radiographic procedures, chemical procedures, electronic and electrical procedures, mechanical and hydraulic procedures, and thermal procedures.

### **3.14.3 Test Data Collection/Review/Analysis**

As specified by the TI, the Contractor shall collect, review and analyze system, subsystem, equipment or component test data and perform pre-test methodology analyses in the following categories:

- a. Development tests and evaluations (experimental, engineering, and demonstrations)
- b. Operational tests and evaluations (TECHVAL and OPEVAL)
- c. Production acceptance tests and evaluations (qualification, production acceptance, and factory and Government acceptance)
- d. Other testing

The Contractor shall formulate recommendations, with justification, to correct any system, subsystem, equipment and component performance, quality, maintenance, or mission impacting problems. The Contractor shall recommend improvements to design, configuration, materials, construction, or other criteria as indicated by the TI resulting from the test data reviews and deliver those recommendations along with justification for those recommendations to the Government.

### **3.14.4 Test Monitoring**

As specified by the TI, the Contractor shall attend tests performed at test sites both Government and private to review the appropriate test results. Monitoring may require use of high-speed cameras, infrared radiation measuring devices and other highly sophisticated tracking and measuring equipment. Particular attention shall be paid to ensure that test procedures are approved and followed, and that discrepancies occurring during tests are documented and corrected IAW approved test plans and resolved IAW specified requirements. The Contractor shall make recommendations only; acceptance and signing of acceptance documents are limited to the Government.

### **3.14.5 Test Report Preparation**

As specified by the TI, the Contractor shall review, reduce, analyze and interpret raw data produced during test series. The Contractor shall develop and provide both interim and final reports of laboratory/test site investigations. The Contractor shall be required to integrate text and graphics into the final version. The Contractor shall verify classification markings, format accuracy and provide document control. Specific sections of these reports shall be used as attachments to the final report submitted by the Government.

### **3.14.6 Technical Data Support**

The Contractor shall develop engineering technical data packages, review such packages (furnished as GFI) for technical accuracy, prepare subsequent changes for inclusion to the data package, make recommendations for changes with supporting rationale and upon approval by the Government incorporate those changes into the technical data package. The Contractor shall evaluate these changes for their immediate or potential impact upon the data package. Delivered data packages shall meet the requirements as specified by the TI.

## **3.15 Measurement Facilities, Range, and Instrumentation Support**

### **3.15.1 Field Data Analysis**

As specified by the TI, the Contractor shall perform and/or observe portions of field and flight tests at test locations and perform field data analysis on systems, subsystems, equipment software, and components both at Crane Division and other locations worldwide. The Contractor shall identify existing Government sources of information, collect available maintenance and/or test data with Government assistance, analyze this data, identify trends or problems affecting mission requirements, and submit recommendations with associated rationale for changes to design or maintenance requirements to improve availability and performance. The Contractor shall use

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 32 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

maintenance reporting systems that are currently operational within the Government at the date of the TI. If such systems do not meet TI requirements, the Contractor shall recommend changes or improvements to these systems for Government consideration.

### **3.15.2 Field Repair**

As specified by the TI, the Contractor shall perform repair and maintenance actions on systems, subsystems, equipment or components at Crane Division locations and in the Fleet and at shore stations worldwide requiring repair beyond the skill of organizational maintenance personnel. The Contractor shall analyze the problem, report the problem by electronic communications, request approval to affect repairs, and perform the repair operation. After each such action, and as specified by the TI, the Contractor shall provide a report to the Government to include problem related information (repair action taken, time, date, place, equipment identification, ship or aircraft type and hull or tail number, etc.).

### **3.15.3 Facilities**

As specified by the TI and Logistic Support Analyses, the Contractor shall identify facility requirements necessary for system, subsystem, equipment or component operation and maintenance IAW NAVFACINST 11010.45, OPNAVINST 11010.33C and GFI. This identification requires consideration of space, volume, capital equipment, utilities, temperature, humidity, storage, shelf space, facility environment, and related issues concerning the facility's overall mission and operational requirements.

## **3.16 Logistics Support**

### **3.16.1 Acquisition Engineering**

As required by the TI, the Contractor shall review and assist with the preparation of technical specifications in support of procurements IAW GFI. The Contractor shall analyze design data to determine defects detracting from system, subsystem, equipment or component's capability to perform to its intended operational requirements and to satisfy all specification requirements. The Contractor shall review production engineering changes, waivers, deviations, and/or alterations for their impact on performance, reliability, maintainability, availability, quality, safety, and life cycle cost. The Contractor shall also assist with the preparation of independent cost estimates with detailed supporting schedules IAW MIL-HDBK-259 and perform, as specified by TI, production cost estimate analyses and provide the Government with justification for any recommendations made.

### **3.16.2 Manufacturing Engineering Analyses**

As specified by the TI, the Contractor shall review and analyze fabrication technologies and/or processes in both Government and the private sector and provide a report to the Government on their usability to Government acquisitions, development, and application for Government use. The Contractor shall provide any assumptions made or rationale used in completing the analysis.

### **3.16.3 Integrated Logistics Support (ILS)**

ILS management and technical services shall be performed by the Contractor for the system, subsystems, equipment and components specified by the TI for each of the logistic elements as defined in MIL-HDBK-502 NOTE 1. The Contractor shall analyze program support requirements to ensure that all requirements for ILS planning and implementation have been adequately addressed, and that planning adequately reflects known operational, design, and support requirements IAW current directives.

### **3.16.4 Integrated Support Plans**

As specified by the TI, the Contractor shall generate, implement, review, and maintain Integrated Logistics Support Plans (ILSP). All efforts shall address the standard elements of ILS. Logistics planning elements may be broken out and assigned as separate tasks by TI.

### **3.16.5 Logistic Support for Acquisition Plans**

The Contractor shall review and document weapons system acquisitions plans for complete ILS requirements by life-cycle phase, and consolidates and incorporates these identified requirements into an ILS detail specification

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 33 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

for the system, identifying specific program initiation, full-scale development, and production and deployment requirements. The ILS detail specification shall quantify support systems performance parameters and constraints necessary to achieve readiness objectives at the least cost. Upon approval of the ILS detail specification by the Government, the Contractor shall review and assess the acquisition package to ensure inclusion of all ILS requirements.

### **3.16.6 Logistic Management Information (LMI) Preparation**

As specified by the TI, the Contractor shall perform a systematic and comprehensive logistic support analysis on an iterative basis through all phases of the system, subsystem, equipment or component life cycle to satisfy supportability objectives. The level of detail of the analyses and the timing of task performance shall be tailored to each system, subsystem, equipment or component and shall be responsive to program schedules and milestones. The LMI process shall conform to the requirements of MIL-HDBK-502 NOTE 1. LMI documentation shall consist of all data resulting from analysis tasks conducted under this standard and shall be the primary source of validated, integrated design related supportability data pertaining to an acquisition program. LMI documentation shall be developed and maintained commensurate with updated design, support and operational concept development; and shall be updated to reflect changes or availability of better information based on testing, configuration changes, and operational concept changes during the acquisition process. Accumulated LMI documentation shall provide an audit trail of supportability and supportability related design analyses and decisions and shall be the basis for actions and documents related to manpower and personnel requirements, training programs, provisioning, maintenance planning, resources allocation, funding decisions, and other logistic support resource requirements. Configuration control procedures shall be established over LMI documentation updates to assure proper coordination among other system engineering programs, the Logistic Support Analysis (LSA) program, and the development of ILS documents using LMI data.

### **3.16.7 Logistic Support Analysis (LSA) and Review**

The Contractor shall perform assessments of the conduct and content of the logistics support analysis program with associated data and products for systems, subsystems, equipment and components specified by the TI. These assessments shall ensure conformance to MIL-HDBK-502 NOTE 1 and the results of technical analyses of the following: Design, Reliability, Maintainability, Human Engineering, Standardization, Safety, Packaging, Handling, Storage, Transportation, Cost and Time Factors as well as the Design Interface. In addition, the Contractor shall assess the utilization of the LMI database as the sole source of all logistics requirements determinations, logistics/design impact tradeoffs, and level of repair and maintenance plan analysis input data. All findings and recommendations shall be documented with supporting information.

### **3.16.8 Technical Documentation**

As specified by the TI, the Contractor shall develop and review technical manuals, operations and maintenance procedures, and associated elements IAW MIL-HDBK-502 NOTE 1 and GFI for compatibility with LMI data. In support of the ILS Program, the Contractor shall prepare the Independent Logistics Audit (ILA) documentation (i.e., project management, plans, specifications, functional descriptions, implementation plans, test analysis reports, etc.).

### **3.16.9 Design Interface**

The Contractor shall conduct technical assessments of the LMI process for systems, subsystems, equipment and components specified by the TI to ensure completeness, accuracy, and conformance to MIL-HDBK-502 Note 1 requirements. The assessment shall be documented with supporting information and justification, the results of technical analyses in total system logistic support, physical configuration, transportability, accessibility, maintainability, Build-in Test/Built-in Test Equipment (BIT/BITE), interchangeability, criticality, standardization human factors, component reliability, and the incorporation of changes defined by logistic considerations. The Contractor shall provide the Government with a report on this assessment to include any recommendations, changes, or corrections to the process and shall include supporting justification for each recommendation.

### **3.16.10 Independent Logistics Audit (ILA) Support**

The Contractor shall assemble and/or review an ILA documentation package IAW the requirements as specified by

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 34 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

the TI for established Defense Systems Acquisition Review or Program Reviews. The Contractor shall perform, prepare, and/or review ILA audit action item tracking through closeout, and required Milestone Decision Approval. The reviews shall identify any deficiencies in ILS planning for the weapon system, subsystem, equipment and component and recommend corrective actions for these identified deficiencies and document all findings with supporting information for any recommendations made by the Contractor.

### **3.17 Supply and Provisioning Support**

#### **3.17.1 Supply Support**

As required by the TI, the Contractor shall review and/or produce Provisioning Technical Data (PTD) IAW MIL-HDBK-502 NOT 1. Such data will include Provisioning Parts Lists (PPL), Design Change Notices (DCN), Long Lead Time Items Lists (LLTIL), Interim Support Items List (ISIL), and Repairable Items Lists (RIL). For these equipments, the Contractor shall make recommendations regarding the range and depth of items to be stocked, as well as their source, maintenance, and recoverability aspects. The Contractor shall review Source, Maintenance, and Recoverability (SM&R) codes for applicability and accuracy IAW the supported service guidance. This shall involve utilizing maintenance plans, phased support plans, site/unit activation schedules and weapons systems planning documents to determine or evaluate the support material list, Contractor support, and repair of repairable requirements. The Contractor shall provide additional supply support to maintain, update and/or review existing supply support processes and to alleviate defined deficiencies. This shall include investigations, reviews, and evaluations of parts utilization data, Defense Logistics Support Center screening requirements, improved supply procedures to affect a more efficient system, and inventory control point effectiveness.

#### **3.17.2 Support Equipment**

The Contractor shall review, analyze, and produce requirements and associated lists for test and support equipment IAW MIL-HDBK-502 NOTE 1 and as required by the TI. The reviews and analyses shall include reviews of the LMI to ensure all requirements for support and test equipment have been minimized (variety and quantity), that considerations for general or special purpose support equipment have been fully supported, that the selection process is based on cost effectiveness, and that reliability and maintainability features of the support equipment are compatible with the prime system, subsystem, equipment or component.

#### **3.17.3 Packaging, Handling, Storage and Transportation**

The Contractor shall perform reviews, analyses, evaluations, and planning for packaging, handling, storage, and transportation considerations IAW MIL STD-129P (4), GFI, and as specified by the TI. Such analyses, reviews, and planning shall consider adequacy of levels of protection, preservation, container design, functionality, re-usability, and marking. The Contractor shall conduct analyses in the areas of handling equipment, storage considerations, and transportability issues and make recommendations along with the supporting rationale for those recommendations to the Government.

### **3.18 Training Support**

#### **3.18.1 Technical Manuals, Publications and Training Support**

As identified in the TI, the Contractor shall prepare or modify technical manuals and training for systems, subsystems, equipment or components to conform to the requirements specified in TIs. The Contractor shall prepare and deliver technical manuals and training materials to the Government in camera-ready, digital format, compact disc (CD), electronic or other format as specified in the TI. As specified in the TI, training will be delivered by several means to include seminars, workshops, videos, on-the-job training, workplace mentoring/apprenticeships, and internet-based training as well as formal courses and curricula.

#### **3.18.2 Training**

As specified in the TI, the Contractor shall develop training plans, training materials and curricula for tactical hardware requirements of the Mobility Systems Engineering Branch. As specified in the TI, the Contractor shall provide instructors for training courses. Training materials may include aids for training such as models, tutorials,

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 35 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

displays, brochures, films and books.

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

#### **3.19.1 Sustainment Engineering**

As required by the TI, the Contractor shall review and prepare plans and reports in support of sustainment engineering efforts. The Contractor shall review or prepare reports and test plans and perform analyses to determine causes of defects and malfunctions. The Contractor shall review or prepare corrective action plans to return the system, item or components to service. Plans will include schedules, cost estimates and analysis of impact.

#### **3.19.2 Engineering Analyses**

The Contractor shall perform engineering analyses and studies for systems, subsystems, equipment and components development and in-service support activities as specified by the TI. Such analyses require: finite element modeling and analysis for vibrations, shock and thermal impacts; and mechanical and software modeling and simulation.

#### **3.19.3 Associated Documentation**

The Contractor shall prepare, utilizing GFI, various technical documentation to support systems and programs managed by Crane Division. This documentation involves systems, subsystems, equipment and component user guides, application notes, installation drawings and checkout procedures, and technical bulletins. The Contractor shall ascertain that the resulting documentation ensures accuracy and faithfulness to the source technical information. The source material originally provided to the Contractor by the Government may not be in the proper format as that desired for the final product specified by the TI.

#### **3.19.4 On-Site Alterations of Deployed Equipment**

As specified in the TI, the Contractor shall perform site inspections and annotate class or model drawings accordingly in preparation for alteration, change, upgrade, or retrofit of systems, subsystems, equipment or components to ensure compliance with its operational specifications. The Contractor shall perform and/or attend the first alterations or special equipment installations, to proof the field change and field change kit, to ensure that these changes are IAW their designed specifications and operational requirements and provide the Government with their recommendations and basis for such recommendations for any possible improvements and corrections.

### **3.20 Program Support**

#### **3.20.1 Program Management Support**

##### **3.20.1.1 Management Process**

The Contractor shall provide plans for Program Management, Contract Management and Operational Management of all assigned tasks. The Contractor shall provide program management support for engineering services and acquisition engineering for C4I and electronic systems, subsystems, equipment and components. This support shall include tasks in planning, organizing, technical analysis and recommendations, and reporting. These tasks involve:

- a. Tentative Operational Requirements Papers
- b. Operational Requirements Papers
- c. Development Options Papers
- d. Work Unit Summaries
- e. Work Assignment Summaries
- f. System Concept Papers
- g. Decision Coordinating Papers
- h. Integrated Program Summaries
- i. Critical Path Networks

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 36 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

- j. Mission Needs Statements
- k. Requirements Definitions
- l. Systems Integration Concepts
- m. Interoperability/Resolution Issues
- n. Operational Capabilities-Based Documents
- o. Financial management including financial analysis
- p. Preparation of required monthly reports and messages
- q. Drafting minutes of managers' and other meetings
- r. Research, analysis and reporting of program obligation rates
- s. Preparation of analytic white papers on program issues
- t. Preparation of graphical materials to aid understanding of program issues
- u. Maintenance of historical files of program documentation
- v. Preparation of Charters
- w. Earned Value Management Reports

### **3.20.2 Program Documentation and Schedules**

The Contractor shall prepare documents for use by the Government to include program information papers and briefings for upper management. The Contractor shall prepare analyses of program schedules to include design, integration and testing and milestones. The Contractor shall maintain program information files including program plans, schedules and progress/evaluation reports. Files shall be maintained as readily accessible through electronic media.

### **3.20.3 Plan of Action and Milestones (POAM)**

The Contractor shall develop the (POA&M) which shall include: Project Schedule, identification of all proposed tasks, key milestones, critical path items, task relationships, assigned resources, resource usage, Government Furnished Resource (GFR) requirements, sub-contract activities, deliverables and anticipated travel.

### **3.20.4 Earned Value Management System (EVMS)**

As required in the TI, the Contractor shall develop and utilize an earned value management system that correlates cost and schedule performance with technical progress. Technical issues that arise shall be covered in terms of performance goals, exit criteria, schedule progress and cost impact. The EVMS used by the Contractor shall comply with the criteria provided in DoD 5000.2-R.

### **3.20.5 Operations Management**

The Contractor shall effectively and efficiently manage processes, planning, and schedule; use and control organizational study concepts from design, engineering, industry, information systems, quality, production, inventory, accounting and all other functions affecting the organization. Produce value-added activities that transform inputs into outputs, utilizing economic market opportunities to ensure optimal operational performance. Management, measurement, analysis, control, and evaluation of collective concepts and best practice processes will be required to provide responsive personnel support as required. The Contractor shall attentively perform operational observations and assessments of external circumstances, analytics and creativeness in facilitating, fulfilling, and maintaining personnel and product resource solutions.

### **3.20.6 Meeting Representation**

As specified by the TI, the Contractor shall provide qualified personnel to attend design reviews, technical problem meetings, user conferences, program status reviews and technical interchange meetings. The Contractor may represent the Government at meetings in the capacity of an advisor, presenter, expert, listener, and minutes/note keeper; however the Contractor shall never function for the Government in voting or other decision-making capacity. The individuals shall present briefings and record and distribute minutes, as well as complete assigned action items or short term specific assignments resulting from these meetings.

### **3.20.7 Integrated Product Team (IPT) Support**

The Contractor shall provide management and technical services for IPT support as specified by the TI. This

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 37 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

effort will consist of announcing and coordinating IPT meetings; arranging for facilities, billeting, equipment and other materials necessary for the meeting; preparing agenda and coordinating presentations; creating briefing materials; making presentations and fielding logistic associated questions; recording and publishing minutes and action items from meetings; and developing and maintaining an action item tracking system for specified equipment.

**3.21 Functional and Administrative Support – N/A**

**3.22 Public Affairs and Multimedia Support – N/A**

**4.0 GOVERNMENT FURNISHED ITEMS**

The following Government furnished items will be provided to the Contractor as a means to accomplish the requirements of the tasks described in the TO.

**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 TO, which is deemed necessary by the Mobility Systems Engineering Branch project lead or manager. GFI that is deemed necessary by the Government Project Lead or Manager within the Mobility Systems Engineering Branch will be provided as required.

**4.2 Government Furnished Material (GFM)**

The Government Furnished Material (GFM) that is deemed necessary by the Government Project Lead or Manager within the Mobility Systems Engineering Branch will be provided as required.

**4.3 Government Furnished Equipment (GFE)**

The Government Furnished Equipment (GFE) that is deemed necessary by the Government Project Lead or Manager within the Mobility Systems Engineering Branch will be provided as required.

**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 Contractor will be authorized access to NSWC Crane NMCI owned/Government owned equipment, which shall be utilized during the performance of tasks stated in Section 3.0 of this TO. This may include a personal computer, printer with appropriate software (i.e. Microsoft Office), telecopier, xerographic equipment, desk and use of telephone with long distance/voice mail capability for official business as required, long distance/voice mail capability for official Government business, as required. The Government will be responsible for NMCI access costs. Offsite personnel IT equipment will be cost reimbursable and become GFM.

The Contractor shall be required to have facilities within a two (2) hour drive of NSWC Crane. The Contractor shall provide personnel to perform services at the Contractor facility with general office spaces capable of accommodating approximately 25 personnel and approximately 75 work stations/spaces for high bay and assembly integrations areas and laboratory spaces. The Government will provide work stations/spaces in the high bay area of Building 41 located at NSWC Crane, or any other Government off-site locations required in completing mission goals. Off-site locations may be in the Continental United States (CONUS) or Outside the Continental United States (OCONUS) locations.

**5.0 DELIVERABLES**

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 38 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

All data deliverable under this TO shall be IAW the Attachment DD Form 1423s. All data deliverable to be provided by the Contractor shall be in compliance with the format and guidance specified in the DoD 5000-2R series, as applicable, or as specified in the task description. Final copies of deliverables shall be distributed to the COR.

**5.1 Status Report (Contractor’s Progress, Status and Management Report) (CDRL A001)**

The Contractor shall prepare and submit a summary progress and status report on a monthly basis that summarizes the events, problems, progress and status of overall TO management initiatives and issues for the subject period.

Frequency: Monthly

Medium: Electronic format (Microsoft compatible format whenever possible). Unless the original format of the document is a requirement, Contractor format is acceptable. Document shall be transmitted via e-mail or accessible via the Internet.

Due Date: First submission is due no later than the 15<sup>th</sup> day following the end of the first reporting month after TO award and no later than the 15<sup>th</sup> day of each month thereafter.

**5.2 Funds and Man-Hour Expenditure Report (Contract Funds Status Report) (CDRL A002)**

The Contractor shall provide a monthly Labor Hours Report to the Government COR that lists the following information for each TO employee assigned to the task and a summary for each TI within the TO:

- a. Contractor’s full name
- b. TO or Modification Number
- c. Labor Category
- d. Calendar dates of the report period.
- e. Authorized Period of Performance, e.g., 5/1/2010 through 11/1/2010
- f. Customer/Department
- g. Contractor’s Manager/Task Leader/Resource Leader Full Name
- h. Total “Authorized” Funding
- i. Total “Cumulative to Date” Costs
- j. Total “Current Reporting Period” Costs
- k. Percent of Authorized Funding Expended to Date
- l. Total “Cumulative to Date” Labor Hours
- m. Total “Current Reporting Period” Labor Hours
- n. Percent of Authorized Labor Hours Expended to Date
- o. Unfunded Costs
- p. Funded Costs
- q. Balance of funded Dollars with Obligations
- r. Earned Value Management (EVM) data

Frequency: Monthly

Medium: Electronic format (Microsoft compatible format whenever possible). Unless the original format of the document is a requirement, contractor format is acceptable. Document shall be transmitted via e-mail or accessible via the Internet.

Due Date: First submission is due no later than the 15<sup>th</sup> day following the end of the first full reporting month after TO award and no later than the 15<sup>th</sup> day of each month thereafter.

**5.3 Conference Agenda (CDRL A003)**

The Contractor shall provide conference agendas for conferences, In-Progress Reviews (IPR’s), Technical



CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 39 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Reviews, Systems Requirements Review, System Design Review, Preliminary Design Review, Critical Design Review, and/or Technical Interchange Meetings. The Contractor shall host these reviews at the Contractor's facility unless otherwise coordinated with the Government.

Frequency: As Required

Medium: Electronic format (Microsoft compatible format whenever possible). Unless the original format of the document is a requirement, contractor format is acceptable. Document shall be transmitted via e-mail or accessible via the Internet.

Due Date: Agenda shall be provided to the Government Technical Point of Contact (TPOC) for approval a minimum of three (3) weeks prior to the conference or review. Agenda will be provided to conference or review attendee's at least one (1) week prior to the start of the conference or review.

#### **5.4 Conference Minutes (CDRL A004)**

The Contractor shall provide conference minutes for conferences, In-Progress Reviews (IPR's), Technical Reviews, Systems Requirements Review, System Design Review, Preliminary Design Review, Critical Design Review, and/or Technical Interchange Meetings. The Contractor shall host these reviews at the Contractor's facility unless otherwise coordinated with the Government.

Frequency: As Required

Medium: Electronic format (Microsoft compatible format whenever possible). Unless the original format of the document is a requirement, contractor format is acceptable. Document shall be transmitted via e-mail or accessible via the Internet.

Due Date: A draft of the minutes shall be provided to the Government TPOC for approval a minimum of five (5) days after the close of the conference or review. The Government TPOC must return approval or recommendations with seven (7) days after receipt of draft from the Contractor.

#### **5.5 Presentation Material (CDRL A005)**

The Contractor shall provide presentation material for conferences, In-Progress Reviews (IPR's), Technical Reviews, Systems Requirements Review, System Design Review, Preliminary Design Review, Critical Design Review, and/or Technical Interchange Meetings. The Contractor shall host these reviews at the Contractor's facility unless otherwise coordinated with the Government.

Frequency: As Required

Medium: Electronic format (Microsoft compatible format whenever possible). Unless the original format of the document is a requirement, Contractor format is acceptable. Document shall be transmitted via e-mail or accessible via the Internet.

Due Date: A draft of the presentation materials shall be provided to the Government TPOC for approval a minimum of ten (10) days prior to the conference or review. The Government TPOC must return approval or recommendations with five (5) days after receipt of draft from the Contractor.

#### **5.6 Test Plan (CDRL A006)**

As required by the TI, the Contractor shall provide a Test Plan for the tests that are to be conducted.

Frequency: As Required

Medium: Electronic format (Microsoft compatible format whenever possible). Unless the original format of the document is a requirement, Contractor format is acceptable. Document shall be transmitted via e-mail or

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 40 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

accessible via the Internet.

**Due Date:** A draft of the Test Plan shall be submitted thirty (30) days before final acceptance testing. The Government will review and approve/disapprove within thirty (30) days. Government approval is presumed if comments are not returned by the Government within thirty (30) days. A final Test Plan shall be due ninety (90) days after testing with documented test results included.

#### **5.7 Summary Report (CDRL A007)**

As required by the TI, the Contractor shall provide a Summary Report documenting all the CDRLs delivered during the life of the TI.

**Frequency:** At the completion of each TI.

**Medium:** Native formats shall be used where possible, or PDF. Information shall be provided on a compact disc (CD) or digital video disc (DVD).

**Due Date:** The CD or DVD shall be due at the completion of each TI.

#### **5.8 Technical Report-Study/Services (Trip Report) (CDRL A008)**

As required by the TI, The Contractor shall provide a Trip Report for each trip that is taken in support of the TI. Report shall include cover sheet identifying Contract, TO, TI, and CDRL numbers.

**Frequency:** As Required

**Medium:** Electronic format (Microsoft compatible format whenever possible). Unless the original format of the document is a requirement, contractor format is acceptable. Document shall be transmitted via e-mail or accessible via the Internet.

**Due Date:** A copy of the trip report shall be due within fourteen (14) days after completion of trip. Government approval is presumed if comments are not returned by Government within thirty (30) days.

#### **5.9 Program Management Plan (Plan of Action and Milestones) (CDRL A009)**

As required by the TI, the Contractor shall provide a Plan of Action and Milestones (POAM), which shall include project schedule, identification of all proposed tasks, key milestones, critical path items, task relationships, assigned resources, resource usage, GFR requirements, sub-contract activities, deliverable, and anticipated travel.

**Frequency:** Monthly

**Medium:** Electronic format (Microsoft compatible format whenever possible). Unless the original format of the document is a requirement, contractor format is acceptable. Document shall be transmitted via e-mail or accessible via the Internet.

**Due Date:** The first submission of the POAM is due no later than the thirtieth (30th) day following the end of the first full reporting month after TO award. Each subsequent submission of the POAM is due at the end of each month.

#### **5.10 Program Management Plan (CDRL A010)**

As required by the TI, the Contractor shall develop and execute a Program Management (PM) Plan. The PM Plan shall include, at a minimum, summary of the overall technical approach and tasks that will be performed throughout the project, risk assessment and mitigation plan to actively identify, manage and mitigate potential risks, and a POAM.

**Frequency:** One time after TO award.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 41 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Medium: Electronic format (Microsoft compatible format whenever possible). Unless the original format of the document is a requirement, contractor format is acceptable. Document shall be transmitted via e-mail or accessible via the Internet.

Due Date: A draft of the Program Management (PM) plan shall be due one (1) month after TO award. The Government will review draft and approve/disapprove within thirty (30) days. Government approval is presumed if comments are not returned by the Government within thirty (30) days. A final PM plan shall be due three (3) months after TO award.

**5.11 Life Cycle Management Plan (CDRL A011)**

As required by the TI, the Contractor shall provide a Life Cycle Management Plan as per SOW identified requirements.

Frequency: One time after TO award.

Medium: Electronic format (Microsoft compatible format whenever possible). Unless the original format of the document is a requirement, Contractor format is acceptable. Document shall be transmitted via e-mail or accessible via the Internet.

Due Date: A draft of the life cycle management plan shall be due forty-five (45) days after TO award. The Government will review draft and approve/disapprove within thirty (30) days. Government approval is presumed if comments are not returned within thirty (30) days. The final life cycle management plan is due thirty (30) days after the contractor's draft has been approved by the Government.

**5.12 Computer Software Product End Item (CDRL A012)**

As required by the TI, the Contractor shall provide Computer Software Product End Item.

Frequency: As Required

Medium: Electronic format (Microsoft compatible format whenever possible or PDF format). Unless the original format of the document is a requirement, contractor format is acceptable. Document shall be transmitted via e-mail, CD ROM, or accessible via the Internet.

Due Date: As required by the TI.

**5.13 Technical Report-Study Services (CDRL A013)**

As required by the TI, the Contractor shall perform Study Services and provide a Technical Report documenting the results of analysis or studies performed.

Frequency: As Required.

Medium: Electronic format (Microsoft compatible format whenever possible). Unless the original format of the document is a requirement, Contractor format is acceptable. Document shall be transmitted via e-mail or accessible via the Internet.

Due Date: A draft of the technical report shall be due to the Government within thirty (30) days. The Government will review and approve/disapprove within thirty (30) days. Government approval is presumed if comments are not returned by the Government within thirty (30) days. A final technical report shall be due thirty (30) days after Government comments are received by the Contractor.

**5.14 Integrated Master Schedule (IMS) (CDRL A014)**

As required by the TI, the Contractor shall develop and utilize an Earned Value Management System, including

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 42 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Integrated Master Schedule (IMS) that correlates cost and schedule performance with technical progress. Technical issues that arise shall be covered in terms of performance goals, exit criteria, schedule progress and cost impact. The EVMS used by the Contractor must comply with the criteria provided in DoD 5000.2-R.

Frequency: Monthly

Medium: Electronic format (Microsoft compatible format whenever possible). This document shall be in contractor format. Document shall be transmitted via e-mail or accessible via the Internet.

Due Date: The first submission of the IMS is due no later than the fifteenth (15<sup>th</sup>) day of the month following the end of the first full reporting month after TO award. Each submission thereafter shall be due no later than the thirtieth (30<sup>th</sup>) day of each month.

#### **5.15 Contract Work Breakdown Structure (WBS) (CDRL A015)**

As required by the TI, the Contractor shall develop and utilize an Earned Value Management System, including Contract Work Breakdown Structure (WBS) that correlates cost and schedule performance with technical progress. Technical issues that arise shall be covered in terms of performance goals, exit criteria, schedule progress and cost impact. The EVMS used by the Contractor must comply with the criteria provided in DoD 5000.2-R.

Frequency: Monthly

Medium: Electronic format (Microsoft compatible format whenever possible). This document shall be in contractor format. Document shall be transmitted via e-mail or accessible via the Internet. A reproduction copy will be submitted to conference attendees as required.

Due Date: The first submission is due no later than the fifteenth (15<sup>th</sup>) day of the month following the end of the first full reporting month after TO award. Each submission thereafter shall be due no later than the thirtieth (30<sup>th</sup>) day of each month.

#### **5.16 T.O. Funding Notification Letter (CDRL A016)**

The Contractor shall provide a TO Funding Notification Letter to the KO and the COR showing the status of the funding that has been applied to each TI.

Frequency: Monthly

Medium: Electronic format (Microsoft compatible format whenever possible). Sample of format to be used can be found at funding Notification Letter, Visual Chart:

<http://www.navysea.navy.mil/nswc/crane/working/contracting/Lists/Announcements/DispForm.aspx?ID=1>

Document shall be transmitted via e-mail or accessible via the Internet.

Due Date: The first submission of the TO funding notification letter is due no later than the fifteenth (15<sup>th</sup>) day of the month following the end of the first full reporting month after TO award. Each submission thereafter shall be due no later than the fifteenth (15<sup>th</sup>) day of the month.

#### **5.17 Status Report (Technical Report-Study/Services) (GFE Report) (CDRL A017)**

As required by the TI, The Contractor shall provide a GFE Report for each piece of GFE that is required in support of the TI. Report shall include cover sheet identifying Contract, TO, TI, and CDRL numbers.

Frequency: Monthly

Medium: Electronic format (Microsoft compatible format whenever possible). Unless the original format of the

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 43 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

document is a requirement, contractor format is acceptable. Document shall be transmitted via e-mail or accessible via the Internet.

Due Date: The first submission of the GFE report is due no later than the thirtieth (30<sup>th</sup>) day of the month following the end of the first full reporting month after TO award. Each submission thereafter shall be due no later than the thirtieth (30<sup>th</sup>) day of the month.

#### **5.18 Status Report (Technical Report-Study/Services) (Employee Report) (CDRL A018)**

As required by the TI, The Contractor shall provide an Employee Report in support of the TI. The employee report shall include the employee's name, labor category, and the TI that the employee supports.

Frequency: Quarterly

Medium: Electronic format (Microsoft compatible format whenever possible). Unless the original format of the document is a requirement, Contractor format is acceptable. Document shall be transmitted via e-mail or accessible via the Internet.

Due Date: The first submission of the employee report is due no later than the thirtieth (30<sup>th</sup>) day of the month following the end of the first full reporting quarter after TO award. Each submission thereafter shall be due no later than the thirtieth (30<sup>th</sup>) day of the month in the following quarter.

### **6.0 SPECIAL CONDITIONS**

#### **6.1 Security**

Performance on this TO will require contractor employees to have access to classified information up to and including **TOP SECRET** level. 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 must not divulge any information about 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 required employees have proper authority. All classified material shall be processed and protected IAW the provisions of this TO 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 CONUS and to locations OCONUS. All travel requests for Contractor's travel will be authorized by a COR/KO approved Travel Authorization (TA) 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.

##### **6.2.2 Travel Authorization**

Any travel undertaken by the Contractor for performance of TO Modification, TI, and/or TA must have prior authorization by the COR and KO (as stated in each TO Modification or TI and/or TA).

##### **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

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 44 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

possess current passport, visa and identification badge, 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 request to/through the COR for appropriate action.

#### **6.3 Safety and Health**

The requirements of this TO 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 safety plan and shall provide a copy to the COR when instructed. The contractor shall ensure all employees have appropriate Personal Protection Equipment (PPE). The Contractor shall ensure employees have all required training and certifications related to Occupational Safety and Health Administration (OSHA) requirements.

#### **6.4 Hazardous Materials**

The Contractor will 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.

#### **6.5 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 contract 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, and job titles. This list shall be updated within forty-eight (48) hours after changes occur.

#### **6.6 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 applicable 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 (48) hours following the completion of the TO, relocation or termination of an employee issued an identification badge, and upon request by the KO.

#### **6.7 Accident Reporting**

The Contractor shall maintain an accurate record of and shall report all accidents to the COR within two business days of the incident.

#### **6.8 Smoking Regulations**

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

#### **6.9 Release of Information**

All technical data provided to the Contractor shall be protected from the public. All other information relating to

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 45 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

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 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.

#### **6.10 Privacy Act**

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

#### **6.11 Damage Reporting**

The Contractor shall maintain an accurate record of and shall report to the COR all damages to GFE and GFF as prescribed by OPNAVINST 5102.1D.

#### **6.12 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 shall 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 KO 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.

##### **6.12.1 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 form and informal written correspondence.

#### **6.13 Investigations**

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

#### **6.14 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.

#### **6.15 Work Area Cleanliness**

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

#### **6.16 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.

#### **6.17 Hours of Operation**

The Contractor's hours of operation will be provided on each individual TI. If not so stated, then the normal duty hours for Contractor on-site personnel and the Contractor's liaison facility personnel assigned to this effort fall

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 46 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

between 0600 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.

### **6.17.1 Compressed Work Schedule**

The Contractor shall 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, and between 0600 and 0900 for one of the ten workdays (eight-hour day) with a stopping time between the hours of 1430 and 1730. 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 employee 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.

### **6.17.2 Flextime**

The Contractor may be permitted to utilize a Flextime schedule for their employees working at NSWC Crane Division if specified on individual TI. A Flextime schedule allows a starting time between the hours of 0600 and 0900, with a quitting time eight and one-half hours after the clock-in time (1430 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 Flextime schedule may exist, and the Contractor will be notified by the COR of any permanent or temporary exceptions

### **6.17.3 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 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 IAW the company policy.

#### **6.17.3.1 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.

#### **6.17.3.2 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



CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 47 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

In the event any of the above holidays occur on a Saturday or a Sunday, then such holiday shall be observed by the Contractor IAW the practice as observed by the assigned Government employees at the using activity.

**6.18 Continuous Improvement**

The Contractor shall support the NSWC Crane Continuous Improvement program. The Contractor shall provide support for the development and maintenance of lean performance execution processes and metrics. The Contractor shall participate in lean events, meetings, and conferences, and execute lean tasks from initiation to closure when authorized. The Contractor shall also provide data record entry, reproduction, distribution, and reporting of lean documentation.

**6.19 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. Contractor shall provide one (1) copy of each employee-signed Non-Disclosure Statements to the COR prior to performing any work on this TO. The COR will retain one copy for the TO file.

**6.20 Licenses, Certifications, and Training**

The Contractor is required to receive training and hold a valid license or certification for the operation of forklifts and other handling equipment (hoists, cranes, 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 TO. 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.

**6.21 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.

**6.22 Use of Government Vehicles/Material Handling Equipment**

Contractor may be required to drive Government owned/leased vehicles and material handling equipment on-site at NSWC Crane in performance of their duties. Authorization to drive Government owned/leased vehicles and operate Government owned materials handling equipment, such as overhead cranes and forklifts, will be specifically authorized when applicable. All contractor personnel operating Government vehicles/handling equipment shall possess a valid state driver's license. Contractor shall report any accidents involving motor vehicles or any other Government equipment immediately to the cognizant Government manager and the KO.

**7.0 PLACE OF PERFORMANCE**

The place of performance will be a at Government and Contractor facilities.  
Work shall be performed at NSWC Crane and tasking at Contractor’s facility(s).

Workload being performed at NSWC Crane Division requires that the Contractor have facilities within a two hour radius of NSWC Crane. The Contractor’s located at NSWC Crane will have Government facilities available and will be authorized access to NMCI IT/Government owned equipment to perform assigned tasking. This equipment may include a personal computer/printer with appropriate software, telecopier, xerographic equipment, desk and use of a telephone with long distance and voice mail for official Government business, as required. The Contractor will be given access to specific Department of Defense web sites that require Personal Key Infrastructure (PKI) cryptographic logon for access.

Specific Facility Requirements: There is a requirement that the Contractor have off base general office spaces capable of accommodating approximately 25 personnel. There is an additional requirement for approximately 75 work stations/spaces for high bay and assembly integration areas and laboratory spaces. Facility will be required

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 48 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

to have truck docks for loading and unloading. There is a requirement for overhead rollup doors approximately 12 ft wide by 17 ft high for high bay integration efforts. There is a requirement for 10,000 square feet of secure outside storage for testing and integration of various Maneuver and Engagement Systems. Approximately 5,000 square feet of inside secure storage area is required for pilferable GFE/GFM to be integrated onto platforms.

Workload that is to be performed at the Contractor's facility requires that the Contractor provide all necessary facilities, facility service agreements, contracts, sub contracts, and ancillary arrangements to sustain the facility and daily operations.

#### **H81S TRAVEL COSTS AND RESPONSIBILITIES**

- (a) Performance under this TO may require travel by contractor personnel. If travel, domestic or overseas, is required, the Contractor shall be responsible for making all needed arrangements for his personnel. This includes, but is not limited to, medical examinations; immunizations; passports, visas, etc. and security clearances. If any work will take place on a U.S. Navy vessel, the Contractor shall obtain boarding authorization for all contractor personnel from the Commanding Officer of the vessel. Authorization shall be obtained prior to boarding.
- (b) The Government will reimburse the Contractor for allowable travel costs incurred by the Contractor in performance of the TO in accordance with FAR subpart 31.2 or 31.3 as applicable.
- (c) Travel shall be in accordance with the Joint Travel Regulations.

#### **HC25S ACCESS TO GOVERNMENT SITE (JUN 2004)**

1. Contractor personnel shall comply with all current badging and security procedures required to gain access to any Government site.
2. The contractor shall ensure that contractor personnel employed on any Government site become familiar with and obey Activity Regulations.
3. Contractor personnel shall not enter restricted areas unless required to do so and until cleared for such entry.
4. The contractor shall request permission to interrupt any activity roads or utility services in writing a minimum of 15 calendar days prior to the date of interruption.
5. Contractor personnel shall bear personal protective equipment in designated areas.
6. All contractor equipment shall be conspicuously marked for identification.
7. The contractor shall strictly adhere to Federal Occupational Safety and Health Agency (OSHA) Regulations, Environmental Protection Agency (EPA) Regulations, and all applicable state and local requirements.

#### **CNIN-NOTICE-0003      CONTRACTOR MANPOWER REPORTING      (NOV 2013)**

The contractor shall report contractor labor hours (including subcontractor labor hours) required for performance of services provided under this contract for the Naval Surface Warfare Center, Crane Division via a secure data collection site. Contracted services excluded from reporting are based on Product Service Codes (PSCs). The excluded PSCs are:

- (1) W, Lease/Rental of Equipment;
- (2) X, Lease/Rental of Facilities;
- (3) Y, Construction of Structures and Facilities;
- (4) S, Utilities ONLY;
- (5) V, Freight and Shipping ONLY.

The contractor is required to completely fill in all required data fields using the following web address <https://doncmra.nmci.navy.mil>.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 49 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Reporting inputs will be for the labor executed during the period of performance during each Government fiscal year (FY), which runs October 1 through September 30. While inputs may be reported any time during the FY, all data shall be reported no later than October 31 of each calendar year. Contractors may direct questions to the help desk, linked at <https://doncmra.nmci.navy.mil>.

**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 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-2-0011 COMPUTER SOFTWARE AND/OR COMPUTER DATABASE(S) DELIVERED TO AND/OR RECEIVED FROM THE GOVERNMENT (NAVSEA) (APR 2004)**

(a) The Contractor agrees to test for viruses all computer software and/or computer databases, as defined in the clause entitled "RIGHTS IN NONCOMMERCIAL COMPUTER SOFTWARE AND NONCOMMERCIAL COMPUTER SOFTWARE DOCUMENTATION" (DFARS 252.227-7014), before delivery of that computer software or computer database in whatever media and on whatever system the software is delivered. The Contractor warrants that any such computer software and/or computer database will be free of viruses when delivered.

(b) The Contractor agrees to test any computer software and/or computer database(s) received from the Government for viruses prior to use under this contract.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 50 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

(c) Unless otherwise agreed in writing, any license agreement governing the use of any computer software to be delivered as a result of this contract must be paid-up and perpetual, or so nearly perpetual as to allow the use of the computer software or computer data base with the equipment for which it is obtained, or any replacement equipment, for so long as such equipment is used. Otherwise the computer software or computer database does not meet the minimum functional requirements of this contract. In the event that there is any routine to disable the computer software or computer database after the software is developed for or delivered to the Government, that routine shall not disable the computer software or computer database until at least twenty-five calendar years after the delivery date of the affected computer software or computer database to the Government.

(d) No copy protection devices or systems shall be used in any computer software or computer database delivered under this contract to restrict or limit the Government from making copies. This does not prohibit license agreements from specifying the maximum amount of copies that can be made.

(e) Delivery by the Contractor to the Government of certain technical data and other data is now frequently required in digital form rather than as hard copy. Such delivery may cause confusion between data rights and computer software rights. It is agreed that, to the extent that any such data is computer software by virtue of its delivery in digital form, the Government will be licensed to use that digital-form data with exactly the same rights and limitations as if the data had been delivered as hard copy.

(f) Any limited rights legends or other allowed legends placed by a Contractor on technical data or other data delivered in digital form shall be digitally included on the same media as the digital-form data and must be associated with the corresponding digital-form technical data to which the legends apply to the extent possible. Such legends shall also be placed in human readable form on a visible surface of the media carrying the digital-form data as delivered, to the extent possible.

#### **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 N00024-11-R-3174.

(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 order 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 order, 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 order may create a potential organizational conflict of interest on the instant order 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 order shall be limited as described below in accordance with the requirements of FAR 9.5.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 51 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

(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 order. 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 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 order. This prohibition shall expire after a period of three years after completion of performance of this order.

(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 order 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 order or becomes, or should become, aware of an organizational conflict of interest after award of this order and does not make an immediate and full disclosure in writing to the Contracting Officer, the Government may terminate this order 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 order 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.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 52 of 136	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 order; 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 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 order.

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

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 53 of 136	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)

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 54 of 136	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-1-0007 INSPECTION AND ACCEPTANCE LANGUAGE FOR LOE SERVICES**

Inspection and acceptance shall be made by the Contracting Officer's Representative (COR) or a designated representative of the Government via WAWF.

### **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 01 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**

52.246-3 Inspection of Supplies-Cost Reimbursement MAY 2001

52.246-5 Inspection of Services-Cost Reimbursement APR 1984



CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 55 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

## SECTION F DELIVERABLES OR PERFORMANCE

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

4100	9/22/2011 - 12/31/2012
4200	9/22/2012 - 12/31/2014
4300	6/13/2014 - 6/12/2015
4301AA	6/13/2014 - 3/31/2015
4301AB	6/13/2014 - 9/30/2014
4301AC	6/13/2014 - 9/30/2014
4301AD	7/30/2014 - 9/30/2014
4301AE	7/30/2014 - 6/12/2015
4301AF	7/30/2014 - 9/30/2014
4301AG	7/30/2014 - 9/30/2014
4301AH	8/29/2014 - 6/12/2015
4301AJ	8/29/2014 - 4/30/2015
4301AK	8/29/2014 - 6/12/2015
4301AL	9/5/2014 - 6/12/2015
4301AM	9/5/2014 - 6/12/2015
4301AN	9/26/2014 - 6/12/2015
4301AP	11/24/2014 - 6/12/2015
4301AQ	12/23/2014 - 6/12/2015
4301AR	12/30/2014 - 6/12/2015
4301AS	12/30/2014 - 6/12/2015
4301AT	1/20/2015 - 6/12/2015
4301AU	1/20/2015 - 6/12/2015
4301AV	4/16/2015 - 6/12/2015
4301AW	4/16/2015 - 6/12/2015
4301AX	4/16/2015 - 6/12/2015
4301AY	4/16/2015 - 6/12/2015
4301AZ	4/16/2015 - 6/12/2015
4301BA	4/16/2015 - 6/12/2015
6100	9/22/2011 - 12/31/2012
6200	9/22/2012 - 12/31/2014
6300	6/13/2014 - 6/12/2015
6301AA	6/13/2014 - 3/31/2015
6301AB	6/13/2014 - 9/30/2014
6301AC	6/13/2014 - 9/30/2014
6301AD	7/30/2014 - 9/30/2014
6301AE	8/29/2014 - 6/12/2015
6301AF	8/29/2014 - 4/30/2015
6301AG	8/29/2014 - 6/12/2015
6301AH	9/5/2014 - 6/12/2015

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 56 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

6301AJ	9/23/2014 - 9/30/2014
6301AK	11/24/2014 - 6/12/2015
6301AL	12/30/2014 - 6/12/2015
6301AM	1/20/2015 - 6/12/2015
6301AN	1/20/2015 - 6/12/2015
6301AP	4/16/2015 - 6/12/2015
6301AQ	4/16/2015 - 6/12/2015
6301AR	4/16/2015 - 6/12/2015
7000	6/13/2015 - 8/31/2016
7001AA	5/19/2015 - 8/31/2016
7001AB	5/19/2015 - 9/30/2015
7001AC	6/13/2015 - 9/30/2015
7001AD	6/13/2015 - 3/31/2016
7001AE	6/13/2015 - 3/31/2016
7001AF	6/13/2015 - 3/31/2016
7001AG	6/13/2015 - 3/31/2016
7001AH	6/13/2015 - 9/30/2015
7001AJ	6/13/2015 - 12/31/2015
7001AK	7/16/2015 - 12/31/2015
7001AL	7/16/2015 - 3/31/2016
7001AM	8/3/2015 - 3/31/2016
7001AN	8/20/2015 - 9/30/2015
7001AP	8/20/2015 - 3/31/2016
7001AQ	9/24/2015 - 3/31/2016
7001AR	12/23/2015 - 3/31/2016
7001AS	12/18/2015 - 3/31/2016
7001AT	12/23/2015 - 8/31/2016
7001AU	3/11/2016 - 8/31/2016
7001AV	3/11/2016 - 6/30/2016
7001AW	3/11/2016 - 8/31/2016
7001AX	3/11/2016 - 8/31/2016
7001AY	3/11/2016 - 8/31/2016
7001AZ	3/11/2016 - 8/31/2016
7001BA	4/28/2016 - 8/31/2016
7001BB	4/27/2016 - 8/31/2016
7001BC	6/2/2016 - 8/31/2016
7001BD	6/2/2016 - 8/31/2016
7001BE	6/2/2016 - 8/31/2016
7002	9/1/2016 - 8/31/2017
7003AA	9/1/2016 - 8/31/2017
7003AB	9/1/2016 - 8/31/2017
7003AC	9/1/2016 - 8/31/2017
7003AD	9/1/2016 - 9/30/2016

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 57 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

7003AE	9/1/2016 - 8/30/2017
7003AF	9/1/2016 - 8/30/2017
7003AG	9/8/2016 - 8/31/2017
7003AH	9/27/2016 - 8/31/2017
7003AJ	2/15/2017 - 7/31/2017
9000	6/13/2015 - 8/31/2016
9001AA	5/19/2015 - 8/31/2016
9001AB	5/19/2015 - 9/30/2015
9001AC	6/13/2015 - 3/31/2016
9001AD	6/13/2015 - 3/31/2016
9001AE	6/13/2015 - 9/30/2015
9001AF	6/13/2015 - 12/31/2015
9001AG	7/16/2015 - 3/31/2016
9001AH	7/16/2015 - 3/31/2016
9001AJ	8/3/2015 - 3/31/2016
9001AK	8/20/2015 - 3/31/2016
9001AL	9/24/2015 - 3/31/2016
9001AM	12/23/2015 - 8/31/2016
9001AN	2/23/2016 - 8/31/2016
9001AP	3/11/2016 - 8/31/2016
9001AQ	3/11/2016 - 8/31/2016
9001AR	3/11/2016 - 8/31/2016
9001AS	4/28/2016 - 8/31/2016
9001AT	4/27/2016 - 8/31/2016
9001AU	6/2/2016 - 8/31/2016
9001AV	6/2/2016 - 8/31/2016
9001AW	6/2/2016 - 8/31/2016
9002	9/1/2016 - 8/31/2017
9003AA	9/1/2016 - 8/31/2017
9003AB	9/1/2016 - 8/31/2017
9003AC	9/1/2016 - 3/30/2017
9003AD	9/1/2016 - 8/30/2017
9003AE	9/27/2016 - 8/31/2017
9003AF	2/15/2017 - 8/31/2017
9003AG	2/15/2017 - 8/31/2017

For proposal purposes, estimated date of TO award is **14 June 2011**. Government reserves the right to award sooner or later, if necessary. Start and end dates will be updated accordingly, upon TO award.

#### **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, as follows:

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 58 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

ITEM(S)	FROM - TO
4100	9/22/2011 - 12/31/2012
4200	9/22/2012 - 12/31/2014
4300	6/13/2014 - 6/12/2015
4301AA	6/13/2014 - 3/31/2015
4301AB	6/13/2014 - 9/30/2014
4301AC	6/13/2014 - 9/30/2014
4301AD	7/30/2014 - 9/30/2014
4301AE	7/30/2014 - 6/12/2015
4301AF	7/30/2014 - 9/30/2014
4301AG	7/30/2014 - 9/30/2014
4301AH	8/29/2014 - 6/12/2015
4301AJ	8/29/2014 - 4/30/2015
4301AK	8/29/2014 - 6/12/2015
4301AL	9/5/2014 - 6/12/2015
4301AM	9/5/2014 - 6/12/2015
4301AN	9/26/2014 - 6/12/2015
4301AP	11/24/2014 - 6/12/2015
4301AQ	12/23/2014 - 6/12/2015
4301AR	12/30/2014 - 6/12/2015
4301AS	12/30/2014 - 6/12/2015
4301AT	1/20/2015 - 6/12/2015
4301AU	1/20/2015 - 6/12/2015
4301AV	4/16/2015 - 6/12/2015
4301AW	4/16/2015 - 6/12/2015
4301AX	4/16/2015 - 6/12/2015
4301AY	4/16/2015 - 6/12/2015
4301AZ	4/16/2015 - 6/12/2015
4301BA	4/16/2015 - 6/12/2015
6100	9/22/2011 - 12/31/2012
6200	9/22/2012 - 12/31/2014
6300	6/13/2014 - 6/12/2015
6301AA	6/13/2014 - 3/31/2015
6301AB	6/13/2014 - 9/30/2014
6301AC	6/13/2014 - 9/30/2014
6301AD	7/30/2014 - 9/30/2014
6301AE	8/29/2014 - 6/12/2015
6301AF	8/29/2014 - 4/30/2015
6301AG	8/29/2014 - 6/12/2015
6301AH	9/5/2014 - 6/12/2015
6301AJ	9/23/2014 - 9/30/2014
6301AK	11/24/2014 - 6/12/2015

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 59 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

6301AL	12/30/2014 - 6/12/2015
6301AM	1/20/2015 - 6/12/2015
6301AN	1/20/2015 - 6/12/2015
6301AP	4/16/2015 - 6/12/2015
6301AQ	4/16/2015 - 6/12/2015
6301AR	4/16/2015 - 6/12/2015
7000	6/13/2015 - 8/31/2016
7001AA	5/19/2015 - 8/31/2016
7001AB	5/19/2015 - 9/30/2015
7001AC	6/13/2015 - 9/30/2015
7001AD	6/13/2015 - 3/31/2016
7001AE	6/13/2015 - 3/31/2016
7001AF	6/13/2015 - 3/31/2016
7001AG	6/13/2015 - 3/31/2016
7001AH	6/13/2015 - 9/30/2015
7001AJ	6/13/2015 - 12/31/2015
7001AK	7/16/2015 - 12/31/2015
7001AL	7/16/2015 - 3/31/2016
7001AM	8/3/2015 - 3/31/2016
7001AN	8/20/2015 - 9/30/2015
7001AP	8/20/2015 - 3/31/2016
7001AQ	9/24/2015 - 3/31/2016
7001AR	12/23/2015 - 3/31/2016
7001AS	12/18/2015 - 3/31/2016
7001AT	12/23/2015 - 8/31/2016
7001AU	3/11/2016 - 8/31/2016
7001AV	3/11/2016 - 6/30/2016
7001AW	3/11/2016 - 8/31/2016
7001AX	3/11/2016 - 8/31/2016
7001AY	3/11/2016 - 8/31/2016
7001AZ	3/11/2016 - 8/31/2016
7001BA	4/28/2016 - 8/31/2016
7001BB	4/27/2016 - 8/31/2016
7001BC	6/2/2016 - 8/31/2016
7001BD	6/2/2016 - 8/31/2016
7001BE	6/2/2016 - 8/31/2016
7002	9/1/2016 - 8/31/2017
7003AA	9/1/2016 - 8/31/2017
7003AB	9/1/2016 - 8/31/2017
7003AC	9/1/2016 - 8/31/2017
7003AD	9/1/2016 - 9/30/2016
7003AE	9/1/2016 - 8/30/2017
7003AF	9/1/2016 - 8/30/2017

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 60 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

7003AG	9/8/2016 - 8/31/2017
7003AH	9/27/2016 - 8/31/2017
7003AJ	2/15/2017 - 7/31/2017
9000	6/13/2015 - 8/31/2016
9001AA	5/19/2015 - 8/31/2016
9001AB	5/19/2015 - 9/30/2015
9001AC	6/13/2015 - 3/31/2016
9001AD	6/13/2015 - 3/31/2016
9001AE	6/13/2015 - 9/30/2015
9001AF	6/13/2015 - 12/31/2015
9001AG	7/16/2015 - 3/31/2016
9001AH	7/16/2015 - 3/31/2016
9001AJ	8/3/2015 - 3/31/2016
9001AK	8/20/2015 - 3/31/2016
9001AL	9/24/2015 - 3/31/2016
9001AM	12/23/2015 - 8/31/2016
9001AN	2/23/2016 - 8/31/2016
9001AP	3/11/2016 - 8/31/2016
9001AQ	3/11/2016 - 8/31/2016
9001AR	3/11/2016 - 8/31/2016
9001AS	4/28/2016 - 8/31/2016
9001AT	4/27/2016 - 8/31/2016
9001AU	6/2/2016 - 8/31/2016
9001AV	6/2/2016 - 8/31/2016
9001AW	6/2/2016 - 8/31/2016
9002	9/1/2016 - 8/31/2017
9003AA	9/1/2016 - 8/31/2017
9003AB	9/1/2016 - 8/31/2017
9003AC	9/1/2016 - 3/30/2017
9003AD	9/1/2016 - 8/30/2017
9003AE	9/27/2016 - 8/31/2017
9003AF	2/15/2017 - 8/31/2017
9003AG	2/15/2017 - 8/31/2017

**CLAUSES INCORPORATED BY REFERENCE:**

52.242-15 Stop-Work Order (Alt 1) (Aug 1989)

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 61 of 136	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] for Base Year 1 and [REDACTED] for Option Year 1

Maximum Pass-Thru Rate: Maximum [REDACTED] fixed fee on Subcontractor Costs, total pass-thru not to exceed [REDACTED]

Maximum Fixed Fee: [REDACTED] on Prime Costs

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 Subline Item Number (SLIN) level. SLINs are established sequentially by the SeaPort-e software.

### SPECIAL INVOICE INSTRUCTIONS

**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 CLINs 4100, 4200, 6100 and 6200 only:

- 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.

### 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.

### SECURITY ADMINISTRATION

The highest level of security required under this TO is **TOP SECRET** as designated on DD Form 254 attached

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 62 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

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-2-0007 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)

Issue DODAAC	N00164
Admin DODAAC	S2404A
Pay Office DODAAC	HQ0338
Inspector DODAAC	N/A
Service Acceptor DODAAC	N00164
Service Approver DODAAC	N00164
Ship To DODAAC	N/A
DCAA Auditor DODAAC	HAA50W
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



CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 63 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

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) invoice; 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]  
Code - JXTM, Bldg. 41  
300 Highway 361  
Crane, IN 47522

\*AND a copy to the Administrative Contracting Officer (ACO):

[REDACTED]  
Code – 0241, Bldg. 3373  
300 Highway 361  
Crane, IN 47522

(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 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.  
(End of Text)

**CONTRACTOR PERFORMANCE ASSESSMENT RATING SYSTEM (CPARS) (JAN 2001)**

(a) Pursuant to FAR 42.1502, this task order is subject to DoD's Contractor Performance Assessment Rating System (CPARS). CPARS is an automated centralized information system accessible via the Internet that maintains reports of contractor performance for each contract/task order. CPARS is located at <http://www.cpars.navy.mil/>. Further information on CPARS is available at that web-site.

(b) Under CPARS, the Government will conduct annual evaluations of the contractor's performance. The contractor has thirty (30) days after the Government's evaluation is completed to comment on the evaluation. The opportunity to review and comment is limited to this time period and will not be extended. Failure to review the report at this time will not prevent the Government from using the report.

(c) The contractor may request a meeting to discuss the CPAR. The meeting is to be requested via e-mail to the CPARS Program Manager no later than seven days following receipt of the CPAR. A meeting will then be held

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 64 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

during the contractor's 30-day review period.

(d) The CPARS system requires the Government to assign the contractor a User ID and password in order to view and comment on the evaluation. Provide the name(s) of at least one individual (not more than three) that will be assigned as your Defense Contractor Representative for CPARS. Name, Phone, E-mail Address.

## GOVERNMENT CONTRACT ADMINISTRATION POINTS-OF-CONTACT AND RESPONSIBILITIES

Procuring Contracting Officer (PCO):

[REDACTED]  
Code – 0233, Bldg. 3373  
300 Highway 361  
Crane, IN 47522  
[REDACTED]  
[REDACTED]

(b) PCO responsibilities are outlined in FAR 1.602-2. The PCO is the only person authorized to approve changes in any of the requirements of this TO, notwithstanding provisions contained elsewhere in this contract, the said authority remains solely the PCO's. 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 part of this contract. In the event the contractor effects any change at the direction of any person other than the PCO, the change will be considered to be unauthorized.

Contract Specialist:

[REDACTED]  
300 Hwy 361  
Code 0241, Bldg 3373  
Crane, IN 47522  
[REDACTED]  
[REDACTED]

(b) The Contract Specialist is the representative of the Contracting Officer for all contractual matters.

Contracting Officers Representative (COR):

[REDACTED]  
Code - JXTM, Bldg. 41  
300 Highway 361  
Crane, IN 47522  
[REDACTED]  
[REDACTED]

(b) The COR is the PCO's appointed representative for technical matters. The COR is not a contracting officer and does not have the authority to direct the accomplishment of effort which is beyond the scope of the TO or to otherwise change any TO requirements. A copy of the COR appointment letter which provides a delineation of COR authority and responsibilities is provided at contract award.

## 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-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 65 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

The following subcontractors are approved on this TO:

### APPROVED SUBCONTRACTOR LIST

#### Subcontractor

Applied Logistics Services (ALS)  
 Back Country Driving School (BCDS)  
 Bowhead Science and Technology  
 CAS, Inc  
 Concurrent Technologies Corporation  
 Cydecor  
 Elbit Systems of America (EFW)  
 Nevada Automotive Test Center (Hodges Transportation)  
 Kinetic Resolve  
 Novonics Corporation  
 Patricio Enterprises  
 PRN Associates  
 RoundTable Defense  
 Stimulus Engineering  
 Sun Engineering  
 SURVICE Engineering  
 TDK Aerospace  
 Tri Star Engineering  
 Tri-County (TCS)  
 Technology Service Corporation (TSC)  
 WEM Engineering

CNIN-G-0001 INVOICING DOCUMENTATION FOR COST VOUCHERS (JULY 2015)

Supporting cost voucher documentation in Wide Area Workflow (WAWF) shall be provided in contractor specified format and shall include the following information. This level of detail is required at both the job order (JO) or task order (TO) level and Technical Instruction (TI) level. The supporting data should clearly reflect the JO/TO and TI number for which it applies. For other than firm fixed price subcontracts, subcontractors are also required to provide the same level of supporting detail as the prime contractor. Supporting documentation may be encrypted before submission to the prime contractor for WAWF cost voucher submittal. Subcontractors may email encryption code information directly to the Contracting Officer (CO) and Contracting Officer Representative (COR) as required. Failure to comply may result in an unfavorable CPARS rating in the area of regulation compliance.

Cost Elements	
Direct Labor	Total direct labor costs billed for current billing period and cumulative. This includes sub-contractor direct labor. If there are different labor pools, they should be included separately (e.g., on-site, off-site, prime, subK, etc).
Other Direct Costs	Total ODC costs billed for current billing period and cumulative
Indirect Costs	Total indirect costs billed for current billing period and cumulative. If there are different indirect pools, they should be included separately (e.g., Fringe, OH, G&A, etc.). The indirect pool percentage shall be included.
Fee	Total fee billed for current billing period and cumulative.
Invoice Subtotal	Sub-total costs billed for current billing period and cumulative.
Adjustments	Any adjustments to billed costs for current billing period and cumulative.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 66 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Invoice Total	Total costs billed for current billing period and cumulative.
<b>Labor Detail (Prime and Subcontractor)</b>	
Employee name	
Labor category	
Direct labor rate by employee	
Loaded labor rate by employee	
Current period hours (OT hours identified separately)	
Current period direct labor costs	
Cumulative hours (OT hours identified separately)	
Cumulative direct labor costs	
<b>Non-Labor Detail – detail provided for current billing period only</b>	
Travel	Destination, dates, traveler name, total trip costs (includes subK travel)
Material*	Detailed description of item and total item costs (includes subK material)
ODCs*	Covers items that are not material or travel (e.g., training, conference costs, etc). Detailed description of item and total item costs (includes subK ODC)
*Copies of invoices and/or receipts for Material/ODC purchases shall be included.	
<b>CLIN/SLIN Detail – Information should be a cumulative total invoiced against each CLIN/SLIN</b>	
CLIN/SLIN	SLIN being billed
ACRN	ACRN being billed
TO/TI	TO and/or TI number
Amount Funded	Amount funded on each SLIN
Current	Amount billed in current billing period
Cumulative	Cumulative amount billed against SLIN
Balance	Remaining balance on SLIN

Accounting Data

SLINID	PR Number	Amount
410001	1213-0165	40000.00
LLA :		
A1 97X4930. NH1J 000 77777 0 000164 2F 000000 J7000GJ7Q208		
Funding in support of TI-0001. Note: 10 U.S.C. 2410a Authority does NOT apply.		
Funds expire 31 March 2012, or through the end date of the period of performance for CLIN 4100, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 31 March 2012.		
410002	1258-9043	120000.00
LLA :		
A9 97X4930. NH1J 000 77777 0 000164 2F 000000 J7500GJ7Q208		
Funding in support of TI-0001. Note: 10 U.S.C. 2410a Authority does NOT apply.		
Funds expire 31 March 2012, or through the end date of the period of performance for CLIN 4100, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 31 March 2012.		
410003	1213-0171	64075.00
LLA :		
A2 1791810 82DJ 253 SA9D4 0 068342 2D 000000 GWOT20000000		
Standard Number: N0002411WX30113 (AA)		
Funding in support of TI-0002. 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 4100, whichever occurs first. Contractor may continue to invoice after the ending date, but only for work performed during the applicable		

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 67 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

period.

410004 1258-9841 150000.00

LLA :

A3 97X4930. NH1J 000 77777 0 000164 2F 000000 J7500GG35033

Funding in support of TI-0002 (MCV). Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 31 December 2012, or through the end date of the period of performance for CLIN 4100, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 31 December 2012, or through the end date of the period of performance for CLIN 4100.

410005 1258-9662 45000.00

LLA :

A4 97X4930. NH1J 000 77777 0 000164 2F 000000 J7500GG35034

Funding in support of TI-0006. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 05 June 2012, or through the end date of the period of performance for CLIN 4100, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 05 June 2012.

410006 1223-5034 395000.00

LLA :

A5 1711109 3006 252 67854 067443 2D 300603 1RC1316411M0

Standard Number: M6785411RC13164 (AA)

Funding in support of TI-0003. 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 4100, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2013.

410007 1223-5186 10000.00

LLA :

A6 2112020 0000 1 5D 5D04 P135197.0004.0000 EOR 2512 9LZZZZ MIPR1KDAVRD050 19L1R3 S 28043

Standard Number: MIPR1KDAVRD050 (AA)

Funding in support of TI-0004. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2011, or through the end date of the period of performance for CLIN 4100, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2011.

410008 1251-0483 3485000.00

LLA :

A6 2112020 0000 1 5D 5D04 P135197.0004.0000 EOR 2512 9LZZZZ MIPR1KDAVRD050 19L1R3 S 28043

Standard Number: MIPR1KDAVRD050 (AA)

Funding in support of TI-0004. Note: 10 U.S.C. 2410a Authority is applicable. Contractor may incur costs for work performed against this SLIN until 31 March 2012 from effective date of above modification, or through the end date of the period of performance for CLIN 4100, whichever occurs first. Contractor may continue to invoice after the ending date, but only for work performed during the applicable period.

410009 1258-8801 105000.00

LLA :

A7 9700300 MCCQ 252 67854 067443 2D 24224B 1RC00797501Z

Standard Number: M6785411RC00797 (AA)

Funding in support of TI-0005. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2012, or through the end date of the period of performance for CLIN 4100, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2012.

410010 1259-1290 26778.00

LLA :

A8 2102035 0000 5F 5F22 528992.66106 MIPR0LDATAP124 EOR 2516 JONO 07SAP1 CC 7S S010 21

Standard Number: MIPR0LDATAP124 (AA)

Funding in support of TI-0007. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2012, or through the end date of the period of performance for CLIN 4100, whichever occurs first. Contractor may continue to

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 68 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

invoice after this date, but only for work performed up through and including 30 September 2012.

610001 1213-0168 9250.00

LLA :

A1 97X4930. NH1J 000 77777 0 000164 2F 000000 J7000GJ7Q208  
Funding in support of TI-0001. Note: 10 U.S.C. 2410a Authority does NOT apply.  
Funds expire 31 March 2012, or through the end date of the period of performance  
for CLIN 6100, whichever occurs first. Contractor may continue to invoice after  
this date, but only for work performed up through and including 31 March 2012.

610002 1258-9121 27750.00

LLA :

A9 97X4930. NH1J 000 77777 0 000164 2F 000000 J7500GJ7Q208  
Funding in support of TI-0001. Note: 10 U.S.C. 2410a Authority does NOT apply.  
Funds expire 31 March 2012, or through the end date of the period of performance  
for CLIN 6100, whichever occurs first. Contractor may continue to invoice after  
this date, but only for work performed up through and including 31 March 2012.

610003 1213-0173 8500.00

LLA :

A2 1791810 82DJ 253 SA9D4 0 068342 2D 000000 GWOT20000000  
Standard Number: N0002411WX30113 (AA)  
Funding in support of TI-0002. 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 6100, whichever occurs first. Contractor may continue to  
invoice after the ending date, but only for work performed during the applicable  
period.

610004 1258-9941 10000.00

LLA :

A3 97X4930. NH1J 000 77777 0 000164 2F 000000 J7500GG35033  
Funding in support of TI-0002 (MCV). Note: 10 U.S.C. 2410a Authority does NOT  
apply. Funds expire 31 December 2012, or through the end date of the period of  
performance for CLIN 4100, whichever occurs first. Contractor may continue to  
invoice after this date, but only for work performed up through and including 31  
December 2012, or through the end date of the period of performance for CLIN 4100.

610005 1258-9801 11000.00

LLA :

A4 97X4930. NH1J 000 77777 0 000164 2F 000000 J7500GG35034  
Funding in support of TI-0006. Note: 10 U.S.C. 2410a Authority does NOT apply.  
Funds expire 05 June 2012, or through the end date of the period of performance for  
CLIN 6100, whichever occurs first. Contractor may continue to invoice after this  
date, but only for work performed up through and including 05 June 2012.

610006 1223-5038 395000.00

LLA :

A5 1711109 3006 252 67854 067443 2D 300603 1RC1316411M0  
Standard Number: M6785411RC13164 (AA)  
Funding in support of TI-0003. 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 6100, whichever occurs first. Contractor may continue to  
invoice after this date, but only for work performed up through and including 30  
September 2013.

610007 1223-5191 5000.00

LLA :

A6 2112020 0000 1 5D 5D04 P135197.0004.0000 EOR 2512 9LZZZZ MIPR1KDAVRD050 19L1R3 S  
28043  
Standard Number: MIPR1KDAVRD050 (AA)  
Funding in support of TI-0004. Note: 10 U.S.C. 2410a Authority does NOT apply.  
Funds expire 30 September 2011, or through the end date of the period of  
performance for CLIN 6100, whichever occurs first. Contractor may continue to  
invoice after this date, but only for work performed up through and including 30  
September 2011.

610008 1251-0486 500000.00

LLA :

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 69 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

A6 2112020 0000 1 5D 5D04 P135197.0004.0000 EOR 2512 9LZZZZ MIPR1KDAVRD050 19L1R3 S  
28043

Standard Number: MIPR1KDAVRD050 (AA)

Funding in support of TI-0004. Note: 10 U.S.C. 2410a Authority is applicable.  
Contractor may incur costs for work performed against this SLIN until 31 March 2012  
from effective date of above modification, or through the end date of the period of  
performance for CLIN 6100, whichever occurs first. Contractor may continue to  
invoice after the ending date, but only for work performed during the applicable  
period.

610009 1258-8922 45000.00

LLA :

A7 9700300 MCCQ 252 67854 067443 2D 24224B 1RC00797501Z

Standard Number: M6785411RC00797 (AA)

Funding in support of TI-0005. Note: 10 U.S.C. 2410a Authority does NOT apply.  
Funds expire 30 September 2012, or through the end date of the period of  
performance for CLIN 6100, whichever occurs first. Contractor may continue to  
invoice after this date, but only for work performed up through and including 30  
September 2012.

BASE Funding 5452353.00

Cumulative Funding 5452353.00

MOD 01 Funding 0.00

Cumulative Funding 5452353.00

MOD 02

410011 1300239211 300000.00

LLA :

B1 1721109 3123 251 67854 067443 2D 312305 2RC2313613A4

Standard Number: M9545012RC23136

Funding in support of TI-0001. Note: 10 U.S.C. 2410a Authority does NOT apply.  
Funds expire 31 December 2012, or through the end date of the period of performance  
for CLIN 4100, whichever occurs first. Contractor may continue to invoice after  
this date, but only for work performed up through and including 31 December 2012,  
or through the end date of the period of performance for CLIN 4100.

MOD 02 Funding 300000.00

Cumulative Funding 5752353.00

MOD 03

410005 1258-9662 (45000.00)

LLA :

A4 97X4930. NH1J 000 77777 0 000164 2F 000000 J7500GG35034

Funding in support of TI-0006. Note: 10 U.S.C. 2410a Authority does NOT apply.  
Funds expire 05 June 2012, or through the end date of the period of performance for  
CLIN 4100, whichever occurs first. Contractor may continue to invoice after this  
date, but only for work performed up through and including 05 June 2012.

610005 1258-9801 (11000.00)

LLA :

A4 97X4930. NH1J 000 77777 0 000164 2F 000000 J7500GG35034

Funding in support of TI-0006. Note: 10 U.S.C. 2410a Authority does NOT apply.  
Funds expire 05 June 2012, or through the end date of the period of performance for  
CLIN 6100, whichever occurs first. Contractor may continue to invoice after this  
date, but only for work performed up through and including 05 June 2012.

610006 1223-5038 (275000.00)

LLA :

A5 1711109 3006 252 67854 067443 2D 300603 1RC1316411M0

Standard Number: M6785411RC13164 (AA)

Funding in support of TI-0003. 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 6100, whichever occurs first. Contractor may continue to  
invoice after this date, but only for work performed up through and including 30  
September 2013.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 70 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

MOD 03 Funding -331000.00  
Cumulative Funding 5421353.00

MOD 04

410012 1300253328 1700000.00

LLA :

B2 2122020 0000 15D 5D04P 1 351970 00 40000 EOR25129LZZZ ZMIPR2DDAVRD03729L1R3 S28043  
Standard Number: MIPR2DDAVRD037 (AA)

Funding in support of TI-0004 (PM ITS). Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2012, or through the end date of the period of performance for CLIN 4100, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2012, or through the end date of the period of performance for CLIN 4100, whichever occurs first.

610010 1300253328 300000.00

LLA :

B2 2122020 0000 15D 5D04P 1 351970 00 40000 EOR25129LZZZ ZMIPR2DDAVRD03729L1R3 S28043  
Standard Number: MIPR2DDAVRD037 (AA)

Funding in support of TI-0004 (PM ITS). Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2012, or through the end date of the period of performance for CLIN 6100, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2012, or through the end date of the period of performance for CLIN 6100, whichever occurs first.

MOD 04 Funding 2000000.00  
Cumulative Funding 7421353.00

MOD 05

410013 1300256204 75000.00

LLA :

B3 1701811 1224 252 XRWML 0 068342 2D 000000 20010400301A  
Standard Number: N0002412RX20876 (AA)

Funding in support of TI-0002 (Sonar Dome Rubber Window). Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2012, or through the end date of the period of performance for CLIN 4100, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2012, or through the end date of the period of performance for CLIN 4100, whichever occurs first.

610011 1300258990 4000.00

LLA :

A5 1711109 3006 252 67854 067443 2D 300603 1RC1316411M0  
Standard Number: M6785411RC13164 (AA)

Funding in support of TI-0003 Travel Only. 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 4100, 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 4100.

MOD 05 Funding 79000.00  
Cumulative Funding 7500353.00

MOD 06

410014 1300263387 150000.00

LLA :

A5 1711109 3006 252 67854 067443 2D 300603 1RC1316411M0  
Standard Number: M6785411RC13164 (AA)

Funding in support of TI-0003 (GBAD Projects). 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 4100, 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-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 71 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

September 2013, or through the end date of the period of performance for CLIN 4100.

MOD 06 Funding 150000.00  
Cumulative Funding 7650353.00

MOD 07 Funding 0.00  
Cumulative Funding 7650353.00

MOD 08

410015 1300272515 5750.00

LLA :

B4 97X4930 NH1J 252 77777 0 050120 2F 000000 A00001212930

Funding in support of TI-002 (Launcher Test Vehicle Referbishment) FMS CASE# UZ-P-BAR. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 June 2012. Contractor may continue to invoice after this date, but only for work performed up through and including 30 June 2012.

410016 1300272973 25000.00

LLA :

B5 97X4930 NH1J 252 77777 0 050120 2F 000000 A00001215688

Funding in support of TI-002 (Primary Electronics Battery Test Station Requalification). Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2012, or through the end date of the period of performance for CLIN 4100, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2012, or through the end date of the period of performance for CLIN 4100.

410017 1300272940 25000.00

LLA :

B6 9720100 MCCQ 252 67854 067443 2D TC0000 2RCLMRAP50RE

Standard Number: M9545012RCLMRAP (AA)

Funding in support of TI-005 (GMVAS-MRAP). Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2012, or through the end date of the period of performance for CLIN 4100, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2012, or through the end date of the period of performance for CLIN 4100.

MOD 08 Funding 55750.00  
Cumulative Funding 7706103.00

MOD 09

410008 1251-0483 (466153.45)

LLA :

A6 2112020 0000 1 5D 5D04 P135197.0004.0000 EOR 2512 9LZZZZ MIPR1KDAVRD050 19L1R3 S 28043

Standard Number: MIPR1KDAVRD050 (AA)

Funding in support of TI-0004. Note: 10 U.S.C. 2410a Authority is applicable. Contractor may incur costs for work performed against this SLIN until 31 March 2012 from effective date of above modification, or through the end date of the period of performance for CLIN 4100, whichever occurs first. Contractor may continue to invoice after the ending date, but only for work performed during the applicable period.

610008 1251-0486 (227781.44)

LLA :

A6 2112020 0000 1 5D 5D04 P135197.0004.0000 EOR 2512 9LZZZZ MIPR1KDAVRD050 19L1R3 S 28043

Standard Number: MIPR1KDAVRD050 (AA)

Funding in support of TI-0004. Note: 10 U.S.C. 2410a Authority is applicable. Contractor may incur costs for work performed against this SLIN until 31 March 2012 from effective date of above modification, or through the end date of the period of performance for CLIN 6100, whichever occurs first. Contractor may continue to invoice after the ending date, but only for work performed during the applicable period.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 72 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

MOD 09 Funding -693934.89  
Cumulative Funding 7012168.11

MOD 10

610001 1213-0168 (3100.75)

LLA :

A1 97X4930. NH1J 000 77777 0 000164 2F 000000 J7000GJ7Q208

Funding in support of TI-0001. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 31 March 2012, or through the end date of the period of performance for CLIN 6100, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 31 March 2012.

610002 1258-9121 (27669.25)

LLA :

A9 97X4930. NH1J 000 77777 0 000164 2F 000000 J7500GJ7Q208

Funding in support of TI-0001. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 31 March 2012, or through the end date of the period of performance for CLIN 6100, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 31 March 2012.

610009 1258-8922 (16000.00)

LLA :

A7 9700300 MCCQ 252 67854 067443 2D 24224B 1RC00797501Z

Standard Number: M6785411RC00797 (AA)

Funding in support of TI-0005. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2012, or through the end date of the period of performance for CLIN 6100, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2012.

610010 1300253328 (175000.00)

LLA :

B2 2122020 0000 15D 5D04P 1 351970 00 40000 EOR25129LZZZ ZMIPR2DDAVRD03729L1R3 S28043

Standard Number: MIPR2DDAVRD037 (AA)

Funding in support of TI-0004 (PM ITS). Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2012, or through the end date of the period of performance for CLIN 6100, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2012, or through the end date of the period of performance for CLIN 6100, whichever occurs first.

MOD 10 Funding -221770.00  
Cumulative Funding 6790398.11

MOD 11

420001 1300298532 340000.00

LLA :

B7 1721106 1A2A 251 67854 067443 2D M95450 2RCALJ3611QM

Standard Number: M9545012RCALJ36 (AA)

Funding in support of TI-003 (AMANPADS). Note: 10 U.S.C. 2410a Authority is applicable. Contractor may incur costs for work performed against this SLIN up through 31 December 2012, 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.

420002 1300300399 3200.00

LLA :

B8 2122020 0000 21 2 202 0 44200 23 0000 2 5FB 582MS011 58 258DAT 58 S01021

Standard Number: 582MS01158 (AA)

Funding in support of TI-010 (HITS2). Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2012. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2012.

620001 1300298532 40000.00

LLA :

B7 1721106 1A2A 251 67854 067443 2D M95450 2RCALJ3611QM

Standard Number: M9545012RCALJ36 (AA)

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 73 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Funding in support of Travel for TI-003 (AMANPADS). Note: 10 U.S.C. 2410a Authority is applicable. Contractor may incur costs for work performed against this SLIN up through 31 December 2012, or through the end date of the period of performance for CLIN 6200, whichever occurs first. Contractor may continue to invoice after the ending date, but only for work performed during the applicable period.

MOD 11 Funding 383200.00  
Cumulative Funding 7173598.11

MOD 12

420003 1300306950 16000.00  
LLA :  
B9 9700300 MCCQ 252 67854 067443 2D 24224B 1RC00797501Z  
Standard Number: M6785411RC00797 (AA)

Funding in support of TI-0005 (GMVAS-MRAP). Note: 10 U.S.C. 2410a Authority is applicable. Contractor may incur costs for work performed against this SLIN until 30 June 2013 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 12 Funding 16000.00  
Cumulative Funding 7189598.11

MOD 13

420004 1300309526 9500.00  
LLA :

C1 97X4930 NH1J 251 77777 0 050120 2F 000000 A00001443867  
Funding in support of TI 0008 (One (1) ACC Storage Container for H53 Helicopter Program). Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 31 March 2013, 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 March 2013, or through the end date of the period of performance for CLIN 4200, whichever occurs first.

420005 1300313221 591229.00  
LLA :  
C2 1721109 3123 251 67854 067443 2D 312305 3RC23E7413A4  
Standard Number: M9545013RC23E74 (AA)

Contractor may NOT perform against this SLIN after 12/31/2013. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

620002 1300309526 500.00  
LLA :

C1 97X4930 NH1J 251 77777 0 050120 2F 000000 A00001443867  
Funding in support of TI 0008 (One (1) ACC Storage Container for H53 Helicopter Program). Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 31 March 2013, 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 March 2013, or through the end date of the period of performance for CLIN 4200, whichever occurs first.

620003 1300313221 10000.00  
LLA :  
C2 1721109 3123 251 67854 067443 2D 312305 3RC23E7413A4  
Standard Number: M9545013RC23E74 (AA)

Contractor may NOT perform against this SLIN after 12/31/2013. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 13 Funding 611229.00  
Cumulative Funding 7800827.11

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 74 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

MOD 14

420006 1300317815 56784.00

LLA :

A5 1711109 3006 252 67854 067443 2D 300603 1RC1316411M0

Standard Number: M6785411RC13164 (AA)

Funding in support of TI-0003 (USMC GBAD). 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 4200, 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 4200, whichever occurs first.

MOD 14 Funding 56784.00

Cumulative Funding 7857611.11

MOD 15

610004 1258-9941 (8160.35)

LLA :

A3 97X4930. NH1J 000 77777 0 000164 2F 000000 J7500GG35033

Funding in support of TI-0002 (MCV). Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire by the end date of the period of performance for CLIN 6100 (9/21/2012), Contractor may continue to invoice after this date, but only for work performed up through and including the end date of the period of performance for CLIN 6100 (9/21/2012).

MOD 15 Funding -8160.35

Cumulative Funding 7849450.76

MOD 16

420007 130034258700001 134754.00

LLA :

C3 1721109 3006 252 67854 067443 2D 300603 3RC23J6911M0

Contractor may not perform against this SLIN after 9/30/2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 16 Funding 134754.00

Cumulative Funding 7984204.76

MOD 17

420008 130035143700001 349912.00

LLA :

C4 1731319 M7KC 252 67854 067443 2D C22780 3RCR3CW61730

Contractor may not perform against this SLIN after 9/30/2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

420009 130035143500001 160562.00

LLA :

C4 1731319 M7KC 252 67854 067443 2D C22780 3RCR3CW61730

Contractor may not perform against this SLIN after 9/30/2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

420010 130035143300001 282615.00

LLA :

C5 1731109 3006 252 67854 067443 2D 300600 3RC33385171B

Contractor may not perform against this SLIN after 9/30/2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

420011 130035238800001 53000.00

LLA :

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 75 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

C6 1731106 1A2A 251 67854 067443 2D M95450 3RCZRC7013LT

Standard Number: M9545013RCZRC70

Funding in support of TI-0001 (Anti-Armor Marine Corps Systems Command). 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 4200, 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 4200, whichever occurs first.

620004 130035143300002 40000.00

LLA :

C5 1731109 3006 252 67854 067443 2D 300600 3RC33385171B

Contractor may not perform against this SLIN after 9/30/2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 17 Funding 886089.00

Cumulative Funding 8870293.76

MOD 18

420012 1300363199 40000.00

LLA :

C8 97X4930 NH1J 251 77777 0 050120 2F 000000 A00001811377

Standard Number: F3LGSS3051J001

Funding in support of TI-0002A, Corrosion Control and Electronics Programmed Depot Maintenance. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 19 February 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 19 February 2014.

420013 1300363198 99800.00

LLA :

C9 2132040 000 A5XFJ 2 73801D T5 FPDG25 500010340017 MIPR3GDATSP034 021001

Standard Number: MIPR3GDATSP034

Funding in support of TI-0014, CMDS. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 31 March 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 March 2014.

620005 1300363198 2600.00

LLA :

C9 2132040 000 A5XFJ 2 73801D T5 FPDG25 500010340017 MIPR3GDATSP034 021001

Standard Number: MIPR3GDATSP034

Funding in support of TI-0014, CMDS. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 31 March 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 March 2014.

MOD 18 Funding 142400.00

Cumulative Funding 9012693.76

MOD 19 Funding 0.00

Cumulative Funding 9012693.76

MOD 20 Funding 0.00

Cumulative Funding 9012693.76

MOD 21

420012 1300363199 (40000.00)

LLA :

C8 97X4930 NH1J 251 77777 0 050120 2F 000000 A00001811377

Standard Number: F3LGSS3051J001

Funding in support of TI-0002A, Corrosion Control and Electronics Programmed Depot Maintenance. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 19

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 76 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

February 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 19 February 2014.

420014 1300379679 67717.26

LLA :

D1 1731106 1A3A 257 67004 067004 2D 000000 BZ353MP355DB

Standard Number: M9886113MP355DB

Funding in support of TI-0015, Runway Sweeper. Note: 10 U.S.C. 2410a Authority does apply. Funds expire 30 May 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 May 2014.

620006 1300379679 20683.33

LLA :

D1 1731106 1A3A 257 67004 067004 2D 000000 BZ353MP355DB

Standard Number: M9886113MP355DB

Funding in support of TI-0015, Runway Sweeper. Note: 10 U.S.C. 2410a Authority does apply. Funds expire 30 May 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 May 2014.

MOD 21 Funding 48400.59

Cumulative Funding 9061094.35

MOD 22

420015 1300379680 91000.00

LLA :

D2 2132020 000 A5XFI 4 23808F PL K310M0 010401075A00 09331450030003230 021001

Standard Number: CW3RAT1251

Funding in support of TI-0012, CCWS. Note: 10 U.S.C. 2410a Authority does apply. 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 this date, but only for work performed during the applicable period.

420016 1300351434 10000.00

LLA :

D3 97X4930 NH1J 251 77777 0 050120 2F 000000 A00001735872

Standard Number: M9545013WR33116

Funding in support of TI-0003 (AMANPADS). Note: 10 U.S.C. 2410a Authority is not applicable. Contractor may incur costs for work performed against this SLIN up through 30 September 2013, 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.

620007 1300379680 9000.00

LLA :

D2 2132020 000 A5XFI 4 23808F PL K310M0 010401075A00 09331450030003230 021001

Standard Number: CW3RAT1251

Funding in support of TI-0012, CCWS. Note: 10 U.S.C. 2410a Authority does apply. 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 6200, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

MOD 22 Funding 110000.00

Cumulative Funding 9171094.35

MOD 23 Funding 0.00

Cumulative Funding 9171094.35

MOD 24

420017 130039449700001 300000.00

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 77 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

LLA :

D4 1741109 3123 251 67854 067443 2D 3123SB 4RC43116131F  
Standard Number: M9545014RC43116  
Contractor may perform against this SLIN 12/12/2013 through 1/15/2014 and 1/22/2014 through 9/30/2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned dates.

MOD 24 Funding 300000.00  
Cumulative Funding 9471094.35

MOD 25 Funding 0.00  
Cumulative Funding 9471094.35

MOD 26 Funding 0.00  
Cumulative Funding 9471094.35

MOD 27

420018 130040709400001 91000.00

LLA :

D5 2142020 000 A5XFI 1 3735CV FR E310M0 010445872A.0 009336.11 0030003230 021001  
Standard Number: CW4RFM0251  
Contractor may NOT perform against this SLIN after 30 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

420019 130041113300001 820000.00

LLA :

D6 1741109 3123 251 67854 067443 2D 312300 4RC43354135E  
Standard Number: M9545014RC43354  
Contractor may NOT perform against this SLIN after 30 December 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

620008 130040709400002 9000.00

LLA :

D5 2142020 000 A5XFI 1 3735CV FR E310M0 010445872A.0 009336.11 0030003230 021001  
Standard Number: CW4RFM0251  
Contractor may NOT perform against this SLIN after 30 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

620009 130041113300002 20000.00

LLA :

D6 1741109 3123 251 67854 067443 2D 312300 4RC43354135E  
Standard Number: M9545014RC43354  
Contractor may NOT perform against this SLIN after 30 December 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 27 Funding 940000.00  
Cumulative Funding 10411094.35

MOD 28

620010 130041175200001 5000.00

LLA :

C3 1721109 3006 252 67854 067443 2D 300603 3RC23J6911M0  
Contractor may NOT perform against this SLIN after 30 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 28 Funding 5000.00  
Cumulative Funding 10416094.35

MOD 29

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 78 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

420004 130030952600001 (18.73)

LLA :

C1 97X4930 NH1J 251 77777 0 050120 2F 000000 A00001443867

Funding in support of TI 0008 (One (1) ACC Storage Container for H53 Helicopter Program). Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 31 March 2013, 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 March 2013, or through the end date of the period of performance for CLIN 4200, whichever occurs first.

420020 130041311900001 10200.00

LLA :

D7 1741804 70CC 260 57046 C 068688 2D XNWW01 57046435129T

Standard Number: R5704614WXNWW01 (AA)

Contractor may NOT perform against this SLIN after 30 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

420021 130041309100001 15900.00

LLA :

B3 1701811 1224 252 XRWML 0 068342 2D 000000 20010400301A

Standard Number: N0002412RX20876 (AA)

Contractor may NOT perform against this SLIN after 30 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

420022 130041695900001 109658.68

LLA :

D8 1741106 1A2A 252 67854 067443 2D M95450 4RCCMA9717QM

Standard Number: M9545014RCCMA97 (AA)

Contractor may NOT perform against this SLIN after 30 September 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

610010 130025332800002 (80655.90)

LLA :

B2 2122020 0000 15D 5D04P 1 351970 00 40000 EOR25129LZZZ ZMIPR2DDAVRD03729L1R3 S28043

Standard Number: MIPR2DDAVRD037 (AA)

Funding in support of TI-0004 (PM ITS). Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2012, or through the end date of the period of performance for CLIN 6100, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2012, or through the end date of the period of performance for CLIN 6100, whichever occurs first.

620001 130029853200002 (22144.25)

LLA :

B7 1721106 1A2A 251 67854 067443 2D M95450 2RCALJ3611QM

Standard Number: M9545012RCALJ36 (AA)

Funding in support of Travel for TI-003 (AMANPADS). Note: 10 U.S.C. 2410a Authority is applicable. Contractor may incur costs for work performed against this SLIN up through 31 December 2012, or through the end date of the period of performance for CLIN 6200, whichever occurs first. Contractor may continue to invoice after the ending date, but only for work performed during the applicable period.

620002 130030952600002 (500.00)

LLA :

C1 97X4930 NH1J 251 77777 0 050120 2F 000000 A00001443867

Funding in support of TI 0008 (One (1) ACC Storage Container for H53 Helicopter Program). Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 31 March 2013, 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 March 2013, or through the end date of the period of performance for CLIN 4200, whichever occurs first.

MOD 29 Funding 32439.80

Cumulative Funding 10448534.15



CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 79 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

MOD 30

4301AA 130042813700001 165000.00

LLA :

E6 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002313270

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

4301AB 130042315900001 37203.30

LLA :

C3 1721109 3006 252 67854 067443 2D 300603 3RC23J6911M0

Standard Number: M9545013RC23J69 (AA)

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

4301AC 130042101100001 50000.00

LLA :

E7 2142020 000 A5XFI 0 13735C VF RE310M 0010496479A. 0009336.14 CW4RNZ0451 021001

Standard Number: CW4RNZ0451 (AA)

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

6301AA 130042813700001 35000.00

LLA :

E6 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002313270

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

6301AB 130042315900002 30000.00

LLA :

C3 1721109 3006 252 67854 067443 2D 300603 3RC23J6911M0

Standard Number: M9545013RC23J69 (AA)

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

6301AC 130042101100002 5000.00

LLA :

E7 2142020 000 A5XFI 0 13735C VF RE310M 0010496479A. 0009336.14 CW4RNZ0451 021001

Standard Number: CW4RNZ0451 (AA)

Contractor may NOT perform against this SLIN after POP date identified 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 322203.30

Cumulative Funding 10770737.45

MOD 31

4301AD 130042864600001 5000.00

LLA :

E8 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002315213

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

4301AE 130043963800001 86480.00

LLA :

D6 1741109 3123 251 67854 067443 2D 312300 4RC43354135E

Standard Number: M9545014RC43354 (AA)

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

4301AF 130043558100001 30000.00

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 80 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

LLA :

E9 9740100 56SF SC4 52SP FLMRAP 0 10000 56900 017417 667100F2VUF04150G002 F67100  
Standard Number: F2VUF04150G002 (AA)  
Contractor may NOT perform against this SLIN after POP date identified in Section  
F. Contractor may continue to invoice after this date, but only for work performed  
through and including the aforementioned date.

4301AG 130044142000001 74000.00

LLA :

F1 1741106 1A2A 252 67854 067443 2D M95450 4RCCMA9717QM  
Standard Number: M9545014RCCMA97 (AA)  
Contractor may NOT perform against this SLIN after POP date identified in Section  
F. Contractor may continue to invoice after this date, but only for work performed  
through and including the aforementioned date.

6301AD 130043968700002 58000.00

LLA :

F2 1741106 1A2A 252 67854 067443 2D M95450 4RCCMH5717QM  
Standard Number: M9545014RCCMH57 (AA)  
Contractor may NOT perform against this SLIN after POP date identified 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 253480.00  
Cumulative Funding 11024217.45

MOD 32

410010 1259-1290 (26778.00)

LLA :

A8 2102035 0000 5F 5F22 528992.66106 MIPROLDATAP124 EOR 2516 JONO 07SAP1 CC 7S S010  
21  
Standard Number: MIPROLDATAP124 (AA)  
Funding in support of TI-0007. Note: 10 U.S.C. 2410a Authority does NOT apply.  
Funds expire 30 September 2012, or through the end date of the period of  
performance for CLIN 4100, whichever occurs first. Contractor may continue to  
invoice after this date, but only for work performed up through and including 30  
September 2012.

410017 130027294000001 (20162.30)

LLA :

B6 9720100 MCCQ 252 67854 067443 2D TC0000 2RCLMRAP50RE  
Standard Number: M9545012RCLMRAP (AA)  
Funding in support of TI-005 (GMVAS-MRAP). Note: 10 U.S.C. 2410a Authority does  
NOT apply. Funds expire by the end date of the period of performance for CLIN 4100  
(9/21/2012), Contractor may continue to invoice after this date, but only for work  
performed up through and including the end date of the period of performance for  
CLIN 4100 (9/21/2012).

420003 130030695000001 (752.62)

LLA :

B9 9700300 MCCQ 252 67854 067443 2D 24224B 1RC00797501Z  
Standard Number: M6785411RC00797 (AA)  
Funding in support of TI-0005 (GMVAS-MRAP). Note: 10 U.S.C. 2410a Authority is  
applicable. Contractor may incur costs for work performed against this SLIN until  
30 June 2013 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.

4301AF 130043558100001 (20000.00)

LLA :

E9 9740100 56SF SC4 52SP FLMRAP 0 10000 56900 017417 667100F2VUF04150G002 F67100  
Standard Number: F2VUF04150G002 (AA)  
Contractor may NOT perform against this SLIN after POP date identified in Section  
F. Contractor may continue to invoice after this date, but only for work performed  
through and including the aforementioned date.

4301AH 130044762200001 615000.00

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 81 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

LLA :

F3 1741109 6520 251 67854 067443 2D 652000 4RC46622152T  
Standard Number: M9545014RC46622 (AA)  
Contractor may NOT perform against this SLIN after POP date identified in Section  
F. Contractor may continue to invoice after this date, but only for work performed  
through and including the aforementioned date.

4301AJ 130045109400001 52500.00

LLA :

F4 5743080 174 47HS 83710F 4 GE300 80112 27444F 503000F2BDED4191G002 F03000  
Standard Number: F2BDED4191G002 (AB)  
Contractor may NOT perform against this SLIN after POP date identified in Section  
F. Contractor may continue to invoice after this date, but only for work performed  
through and including the aforementioned date.

4301AK 130044399400001 72000.00

LLA :

F2 1741106 1A2A 252 67854 067443 2D M95450 4RCCMH5717QM  
Standard Number: M9545014RCCMH57 (AA)  
Contractor may NOT perform against this SLIN after POP date identified in Section  
F. Contractor may continue to invoice after this date, but only for work performed  
through and including the aforementioned date.

6301AE 130044762200002 61000.00

LLA :

F3 1741109 6520 251 67854 067443 2D 652000 4RC46622152T  
Standard Number: M9545014RC46622 (AA)  
Contractor may NOT perform against this SLIN after POP date identified in Section  
F. Contractor may continue to invoice after this date, but only for work performed  
through and including the aforementioned date.

6301AF 130045109400002 1000.00

LLA :

F4 5743080 174 47HS 83710F 4 GE300 80112 27444F 503000F2BDED4191G002 F03000  
Standard Number: F2BDED4191G002 (AB)  
Contractor may NOT perform against this SLIN after POP date identified in Section  
F. Contractor may continue to invoice after this date, but only for work performed  
through and including the aforementioned date.

6301AG 130044399400002 20000.00

LLA :

F2 1741106 1A2A 252 67854 067443 2D M95450 4RCCMH5717QM  
Standard Number: M954014RCCMH57 (AA)  
Contractor may NOT perform against this SLIN after POP date identified 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 753807.08  
Cumulative Funding 11778024.53

MOD 33

4301AL 130044868600001 135000.00

LLA :

E7 2142020 000 A5XFI 0 13735C VF RE310M 0010496479A. 0009336.14 CW4RNZ0451 021001  
Standard Number: CWRNZ0451  
Contractor may NOT perform against this SLIN after POP date identified in Section  
F. Contractor may continue to invoice after this date, but only for work performed  
through and including the aforementioned date.

4301AM 130044394700001 65894.08

LLA :

F1 1741106 1A2A 252 67854 067443 2D M95450 4RCCMA9717QM  
Standard Number: M954014RCCMA97 (AA)  
Contractor may NOT perform against this SLIN after POP date identified in Section  
F. Contractor may continue to invoice after this date, but only for work performed  
through and including the aforementioned date.

6301AH 130044868600002 10000.00

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 82 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

LLA :

E7 2142020 000 A5XFI 0 13735C VF RE310M 0010496479A. 0009336.14 CW4RNZ0451 021001  
Standard Number: CW4RNZ0451  
Contractor may NOT perform against this SLIN after POP date identified 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 210894.08  
Cumulative Funding 11988918.61

MOD 34

6301AJ 130045200400001 3000.00

LLA :

F5 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002480002  
Standard Number: F2VUF04150G002  
Contractor may NOT perform against this SLIN after POP date identified 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 3000.00  
Cumulative Funding 11991918.61

MOD 35

4301AN 130045486100001 20000.00

LLA :

E9 9740100 56SF SC4 52SP FLMRAP 0 10000 56900 017417 667100F2VUF04150G002 F67100  
Standard Number: F2VUF04150G002 (AA)  
Contractor may NOT perform against this SLIN after POP date identified 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 20000.00  
Cumulative Funding 12011918.61

MOD 36 Funding 0.00  
Cumulative Funding 12011918.61

MOD 37

4301AP 130046579800001 444966.05

LLA :

F6 1751319 T7KC 252 67854 067443 2D C22780 5RCR5AU21730  
Standard Number: M9545015RCR5AU2 (AA)  
Contractor may NOT perform against this SLIN after POP date identified in Section  
F. Contractor may continue to invoice after this date, but only for work performed  
through and including the aforementioned date.

6301AK 130046579800002 40000.00

LLA :

F6 1751319 T7KC 252 67854 067443 2D C22780 5RCR5AU21730  
Standard Number: M9545015RCR5AU2 (AA)  
Contractor may NOT perform against this SLIN after POP date identified 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 484966.05  
Cumulative Funding 12496884.66

MOD 38

420019 130041113300001 (476553.04)

LLA :

D6 1741109 3123 251 67854 067443 2D 312300 4RC43354135E  
Standard Number: M9545014RC43354

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 83 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Contractor may NOT perform against this SLIN after 30 December 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4301AQ 130046847500001 40110.00

LLA :

F7 1731109 6520 252 67854 067443 2D 652000 5RC36J74112T

Standard Number: M9545015RC36J74(AA)

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

620009 130041113300002 (2700.00)

LLA :

D6 1741109 3123 251 67854 067443 2D 312300 4RC43354135E

Standard Number: M9545014RC43354

Contractor may NOT perform against this SLIN after 30 December 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

MOD 38 Funding -439143.04

Cumulative Funding 12057741.62

MOD 39

4301AR 130047163100004 476553.04

LLA :

D6 1741109 3123 251 67854 067443 2D 312300 4RC43354135E

Standard Number: M9545014RC43354(AA)

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

4301AS 130046776800001 77593.70

LLA :

F8 1751106 1A2A 252 67854 067443 2D M95450 5RCCM51717QM

Standard Number: M9545015RCCM517(AA)

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

6301AL 130047163100003 2700.00

LLA :

D6 1741109 3123 251 67854 067443 2D 312300 4RC43354135E

Standard Number: M9545014RC43354(AA)

Contractor may NOT perform against this SLIN after POP date identified 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 556846.74

Cumulative Funding 12614588.36

MOD 40

4301AT 130047296900001 728000.00

LLA :

F9 1751109 3123 251 67854 067443 2D 3123SB 5RC53230131F

Standard Number: M9545015RC53230(AA)

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

4301AU 130047348000001 50000.00

LLA :

G1 2152020 0000 5L5 L20 4 2 380800 00 0 252G 5CWBRD CW5R VC0751CW515BRDY003808 S01021

Standard Number: CW5RVC0751(AA)

Contractor may NOT perform against this SLIN after POP date identified 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-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 84 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

through and including the aforementioned date.

6301AM 130047296900002 20000.00

LLA :

F9 1751109 3123 251 67854 067443 2D 3123SB 5RC53230131F

Standard Number: M9545015RC53230(AA)

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

6301AN 130047348000002 4500.00

LLA :

G1 2152020 0000 5L5 L20 4 2 380800 00 0 252G 5CWBRD CW5R VC0751CW515BRDY003808 S01021

Standard Number: CW5RVC0751(AA)

Contractor may NOT perform against this SLIN after POP date identified 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 802500.00

Cumulative Funding 13417088.36

MOD 41 Funding 0.00

Cumulative Funding 13417088.36

MOD 42 Funding 0.00

Cumulative Funding 13417088.36

MOD 43

4301AV 130048983300001 75000.00

LLA :

G1 2152020 0000 5L5 L20 4 2 380800 00 0 252G 5CWBRD CW5R VC0751CW515BRDY003808 S01021

Standard Number: CW5RVC0751(AA)

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

4301AW 130049113200001 190000.00

LLA :

G3 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002819981

Standard Number: M9545014WR46437(AA)

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

4301AX 130049143400001 382000.00

LLA :

G4 1731506 U5BK 310 00019 0 050120 2D 000000 A00002822673

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

4301AY 130049143400002 573000.00

LLA :

G5 1741506 U5BK 310 00019 0 050120 2D 000000 A10002822673

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

4301AZ 130049143400003 481560.00

LLA :

G5 1741506 U5BK 310 00019 0 050120 2D 000000 A10002822673

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

4301BA 130049143400004 481560.00

LLA :

G5 1741506 U5BK 310 00019 0 050120 2D 000000 A10002822673

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-04-D-4119	N00178-04-D-4119-FC33	72	85 of 136	

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

6301AP 130048983300002 7000.00

LLA :

G1 2152020 0000 5L5 L20 4 2 380800 00 0 252G 5CWBRD CW5R VC0751CW515BRDY003808 S01021  
Standard Number: CW5RVC0751(AA)

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

6301AQ 130049113200002 15000.00

LLA :

G3 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002819981  
Standard Number: M9545014WR46437(AA)

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

6301AR 130049143400005 35765.00

LLA :

G5 1741506 U5BK 310 00019 0 050120 2D 000000 A10002822673

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

MOD 43 Funding 2240885.00  
Cumulative Funding 15657973.36

MOD 44

4301AA 130042813700001 (20353.76)

LLA :

E6 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002313270

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

7001AA 130049996300001 554583.95

LLA :

F6 1751319 T7KC 252 67854 067443 2D C22780 5RCR5AU21730  
Standard Number: M9545015RCR5AU2(AA)

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

7001AB 130049795000001 4000.00

LLA :

G6 1751804 70CC 260 57046 C 068688 2D CNW001 57046535129T  
Standard Number: R5704615RCNW001(AA)

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

9001AA 130049996300002 30000.00

LLA :

F6 1751319 T7KC 252 67854 067443 2D C22780 5RCR5AU21730  
Standard Number: M9545015RCR5AU2(AA)

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

9001AB 130049795000002 500.00

LLA :

G6 1751804 70CC 260 57046 C 068688 2D CNW001 57046535129T  
Standard Number: R5704615RCNW001(AA)

Contractor may NOT perform against this SLIN after POP date identified 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-FC33	72	86 of 136	

through and including the aforementioned date.

MOD 44 Funding 568730.19  
Cumulative Funding 16226703.55

MOD 45

4301AT 130047296900001 (628000.00)

LLA :

F9 1751109 3123 251 67854 067443 2D 3123SB 5RC53230131F

Standard Number: M9545015RC53230(AA)

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

4301AV 130048983300001 (50000.00)

LLA :

G1 2152020 0000 5L5 L20 4 2 380800 00 0 252G 5CWBRD CW5R VC0751CW515BRDY003808 S01021

Standard Number: CW5RVC0751(AA)

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

4301AW 130049113200001 (20000.00)

LLA :

G3 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002819981

Standard Number: M9545014WR46437(AA)

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

4301AX 130049143400001 (234995.96)

LLA :

G4 1731506 U5BK 310 00019 0 050120 2D 000000 A00002822673

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

4301AY 130049143400002 (573000.00)

LLA :

G5 1741506 U5BK 310 00019 0 050120 2D 000000 A10002822673

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

4301AZ 130049143400003 (481560.00)

LLA :

G5 1741506 U5BK 310 00019 0 050120 2D 000000 A10002822673

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

4301BA 130049143400004 (481560.00)

LLA :

G5 1741506 U5BK 310 00019 0 050120 2D 000000 A10002822673

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

6301AM 130047296900002 (6000.00)

LLA :

F9 1751109 3123 251 67854 067443 2D 3123SB 5RC53230131F

Standard Number: M9545015RC53230(AA)

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

6301AP 130048983300002 (4500.00)

LLA :



CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-04-D-4119	N00178-04-D-4119-FC33	72	87 of 136	

G1 2152020 0000 5L5 L20 4 2 380800 00 0 252G 5CWBRD CW5R VC0751CW515BRDY003808 S01021  
Standard Number: CW5RVC0751(AA)

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

6301AQ 130049113200002 (15000.00)

LLA :

G3 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002819981

Standard Number: M9545014WR46437(AA)

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

6301AR 130049143400005 (32000.00)

LLA :

G5 1741506 U5BK 310 00019 0 050120 2D 000000 A10002822673

Contractor may NOT perform against this SLIN after POP date identified 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 -2526615.96

Cumulative Funding 13700087.59

MOD 46

7001AC 130049143400006 234995.96

LLA :

G4 1731506 U5BK 310 00019 0 050120 2D 000000 A00002822673

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

7001AD 130049143400007 573000.00

LLA :

G5 1741506 U5BK 310 00019 0 050120 2D 000000 A10002822673

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

7001AE 130049143400008 481560.00

LLA :

G5 1741506 U5BK 310 00019 0 050120 2D 000000 A10002822673

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

7001AF 130049143400009 481560.00

LLA :

G5 1741506 U5BK 310 00019 0 050120 2D 000000 A10002822673

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

7001AG 130050586500001 628000.00

LLA :

F9 1751109 3123 251 67854 067443 2D 3123SB 5RC53230131F

Standard Number: M9545015RC53230(AA)

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

7001AH 130050603000001 50000.00

LLA :

G1 2152020 0000 5L5 L20 4 2 380800 00 0 252G 5CWBRD CW5R VC0751CW515BRDY003808 S01021

Standard Number: CW5RVC0751(AA)

Contractor may NOT perform against this SLIN after POP date identified 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-FC33	72	88 of 136	

7001AJ 130050613100001 20000.00

LLA :

G3 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002925216

Standard Number: M9545014WR46437(AA)

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

9001AC 130049143400010 32000.00

LLA :

G5 1741506 U5BK 310 00019 0 050120 2D 000000 A10002822673

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

9001AD 130050586500002 6000.00

LLA :

F9 1751109 3123 251 67854 067443 2D 3123SB 5RC53230131F

Standard Number: M9545015RC53230(AA)

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

9001AE 130050603000002 4500.00

LLA :

G1 2152020 0000 5L5 L20 4 2 380800 00 0 252G 5CWBRD CW5R VC0751CW515BRDY003808 S01021

Standard Number: CW5RVC0751(AA)

Funding in support of TI-0012 for engineering and technical support services for Close Combat Weapon Systems (CCWS).

9001AF 130050613100002 15000.00

LLA :

G3 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002925216

Standard Number: M9545014WR46437(AA)

Contractor may NOT perform against this SLIN after POP date identified 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 2526615.96

Cumulative Funding 16226703.55

MOD 47

7001AK 130050880500001 75000.00

LLA :

G7 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002943754

Standard Number: M9545014WR46437(AA)

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

7001AL 130050804400001 136500.00

LLA :

G1 2152020 0000 5L5 L20 4 2 380800 00 0 252G 5CWBRD CW5R VC0751CW515BRDY003808 S01021

Standard Number: CW5RVC0751(AA)

2410(a) funds expire for this SLIN 365 days from effective date of above modification, or through 31 March 2016, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

9001AG 130050804400002 17000.00

LLA :

G1 2152020 0000 5L5 L20 4 2 380800 00 0 252G 5CWBRD CW5R VC0751CW515BRDY003808 S01021

Standard Number: CW5RVC0751(AA)

2410(a) funds expire for this SLIN 365 days from effective date of above modification, or through 31 March 2016, 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-FC33	72	89 of 136	

9001AH 130051203300001 25000.00

LLA :

G8 1751109 3123 251 67854 067443 2D 312300 5RC53298135E

Standard Number: M9545015RC53298(AA)

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

MOD 47 Funding 253500.00

Cumulative Funding 16480203.55

MOD 48

410012 130025332800001 (3559.15)

LLA :

B2 2122020 0000 15D 5D04P 1 351970 00 40000 EOR25129LZZZ ZMIPR2DDAVRD03729L1R3 S28043

Standard Number: MIPR2DDAVRD037 (AA)

Funding in support of TI-0004 (PM ITS). Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 30 September 2012, or through the end date of the period of performance for CLIN 4100, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2012, or through the end date of the period of performance for CLIN 4100, whichever occurs first.

410014 130026338700001 (1401.26)

LLA :

A5 1711109 3006 252 67854 067443 2D 300603 1RC1316411M0

Standard Number: M6785411RC13164 (AA)

Funding in support of TI-0003 (GBAD Projects). Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire by the end date of the period of performance for CLIN 4100 (9/21/2012), Contractor may continue to invoice after this date, but only for work performed up through and including the end date of the period of performance for CLIN 4100 (9/21/2012).

4301AD 130042864600001 (9.65)

LLA :

E8 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002315213

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

4301AJ 130045109400001 (2195.55)

LLA :

F4 5743080 174 47HS 83710F 4 GE300 80112 27444F 503000F2BDED4191G002 F03000

Standard Number: F2BDED4191G002 (AB)

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

610006 1223-5038 (4921.58)

LLA :

A5 1711109 3006 252 67854 067443 2D 300603 1RC1316411M0

Standard Number: M6785411RC13164 (AA)

Funding in support of TI-0003. 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 6100, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed up through and including 30 September 2013.

620003 130031322100002 (392.60)

LLA :

C2 1721109 3123 251 67854 067443 2D 312305 3RC23E7413A4

Standard Number: M9545013RC23E74 (AA)

Contractor may NOT perform against this SLIN after 12/31/2013. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

620005 130036319800002 (2373.94)

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-04-D-4119	N00178-04-D-4119-FC33	72	90 of 136	

LLA :

C9 2132040 000 A5XFJ 2 73801D T5 FPDG25 500010340017 MIPR3GDATSP034 021001  
Standard Number: MIPR3GDATSP034  
Funding in support of TI-0014, CMDS. Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire 31 March 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 March 2014.

620006 130037967900002 (122.72)

LLA :

D1 1731106 1A3A 257 67004 067004 2D 000000 BZ353MP355DB  
Standard Number: M9886113MP355DB  
Funding in support of TI-0015, Runway Sweeper. Note: 10 U.S.C. 2410a Authority does apply. Funds expire 30 May 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 May 2014.

6301AF 130045109400002 (0.88)

LLA :

F4 5743080 174 47HS 83710F 4 GE300 80112 27444F 503000F2BDED4191G002 F03000  
Standard Number: F2BDED4191G002 (AB)  
Contractor may NOT perform against this SLIN after POP date identified in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

6301AJ 130045200400001 (149.70)

LLA :

F5 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002480002  
Standard Number: F2VUF04150G002  
Contractor may NOT perform against this SLIN after POP date identified in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

7001AM 130051617300001 171400.00

LLA :

G9 9750100 56SF SC5 52SP FLMRAP 0 1 5781 5 017417 387 700 F2VUF05096GW02 F87700  
Standard Number: F2VUF05096GW02  
2410(a) funds expire for this SLIN 365 days from effective date of above modification, or through 31 March 2016, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

9001AJ 130051617300002 16900.00

LLA :

G9 9750100 56SF SC5 52SP FLMRAP 0 1 5781 5 017417 387 700 F2VUF05096GW02 F87700  
Standard Number: F2VUF05096GW02  
2410(a) funds expire for this SLIN 365 days from effective date of above modification, or through 31 March 2016, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

MOD 48 Funding 173172.97  
Cumulative Funding 16653376.52

MOD 49

7001AN 130052043500001 7500.00

LLA :

F8 1751106 1A2A 252 67854 067443 2D M95450 5RCCM51717QM  
Standard Number: M9545015RCCM517(AA)  
Contractor may NOT perform against this SLIN after POP date identified in Section F. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

7001AP 130052274000001 95000.00

LLA :

H1 97X4930 NH1J 251 77777 0 050120 2F 000000 A00003035513

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 91 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Standard Number: M9545014WR46437(AA)

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

9001AK 130052274000002 5000.00

LLA :

H1 97X4930 NH1J 251 77777 0 050120 2F 000000 A00003035513

Standard Number: M9545014WR46437(AA)

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

MOD 49 Funding 107500.00

Cumulative Funding 16760876.52

MOD 50 Funding 0.00

Cumulative Funding 16760876.52

MOD 51

7001AQ 130053020800001 95000.00

LLA :

H2 97X4930 NH1J 251 77777 0 050120 2F 000000 A00003096850

Standard Number: M9545014WR46437(AA)

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

9001AL 130053020800002 5000.00

LLA :

H2 97X4930 NH1J 251 77777 0 050120 2F 000000 A00003096850

Standard Number: M9545014WR46437(AA)

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

MOD 51 Funding 100000.00

Cumulative Funding 16860876.52

MOD 52 Funding 0.00

Cumulative Funding 16860876.52

MOD 53 Funding 0.00

Cumulative Funding 16860876.52

MOD 54

7001AR 130054155900001 125000.00

LLA :

H3 97X4930 NH1J 251 77777 0 050120 2F 000000 A00003208866

Standard Number: M9545015WR53229(AA)

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

7001AS 130054281600001 50000.00

LLA :

H4 97X4930 NH1J 310 77777 0 050120 2F 000000 A00003219295

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

7001AT 130054203800001 36000.00

LLA :

F6 1751319 T7KC 252 67854 067443 2D C22780 5RCR5AU21730

Standard Number: M9545015RCR5AU2(AA)

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
N00178-04-D-4119	N00178-04-D-4119-FC33	72	92 of 136	

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

9001AM 130054203800002 15000.00

LLA :

F6 1751319 T7KC 252 67854 067443 2D C22780 5RCR5AU21730

Standard Number: M9545015RCR5AU2(AA)

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

MOD 54 Funding 226000.00

Cumulative Funding 17086876.52

MOD 55

9001AN 130055013500001 17500.00

LLA :

H5 1761319 T7KC 310 67854 067443 2D C22780 6RCR6FW01730

Standard Number: M9545016RCR6FW0(AA)

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

MOD 55 Funding 17500.00

Cumulative Funding 17104376.52

MOD 56

7001AU 130055742500002 295000.00

LLA :

H6 1761106 1A2A 257 67854 067443 2D M95450 6RCBPD6813LT

Standard Number: M9545016RCBPD68(AA)

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

7001AV 130055565500002 45000.00

LLA :

H7 97X4930 NH1J 310 77777 0 050120 2F 000000 A10003322463

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

7001AW 130055742300001 20000.00

LLA :

H8 97X4930 NH1J 251 77777 0 050120 2F 000000 A00003334469

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

7001AX 130055739000001 45000.00

LLA :

H9 2162020 0000 5L 5L20 4 23808. 00 000 31 EM 1CWWVW CW 6RNB0251 S01021

Standard Number: CW6RNB0251(AA)

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

7001AY 130055747900001 27000.00

LLA :

J1 97X4930 NH1J 257 77777 0 050120 2F 000000 A00003336948

Contractor may NOT perform against this SLIN after POP date identified 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-FC33	72	93 of 136	

7001AZ 130055742400001 100000.00

LLA :

H5 1761319 T7KC 310 67854 067443 2D C22780 6RCR6FW01730

Standard Number: M9545016RCR6FW0(AA)

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

9001AP 130055742500001 5000.00

LLA :

H6 1761106 1A2A 257 67854 067443 2D M95450 6RCBPD6813LT

Standard Number: M9545016RCBPD68(AA)

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

9001AQ 130055739000002 4500.00

LLA :

H9 2162020 0000 5L 5L20 4 23808. 00 000 31 EM 1CWWVW CW 6RNB0251 S01021

Standard Number: CW6RNB0251(AA)

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

9001AR 130055747900002 1000.00

LLA :

J1 97X4930 NH1J 257 77777 0 050120 2F 000000 A00003336948

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

MOD 56 Funding 542500.00

Cumulative Funding 17646876.52

MOD 57 Funding 0.00

Cumulative Funding 17646876.52

MOD 58

7001BA 130056437400001 280000.00

LLA :

J2 1761109 3123 257 67854 067443 2D 312300 6RC63660135E

Standard Number: M9545016RC63660(AA)

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

7001BB 130056326100001 30000.00

LLA :

J3 97X4930 NH1J 251 77777 0 050120 2F 000000 A00003376348

Standard Number: M9545016WR66635(AA)

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

9001AS 130056437400002 5000.00

LLA :

J2 1761109 3123 257 67854 067443 2D 312300 6RC63660135E

Standard Number: M9545016RC63660(AA)

Funding in support of TI-0001 for engineering, logistics, and technical support for USMC Anti-Armor Systems.

9001AT 130056326100002 3000.00

LLA :

J3 97X4930 NH1J 251 77777 0 050120 2F 000000 A00003376348

Standard Number: M9545016WR66635(AA)

Contractor may NOT perform against this SLIN after POP date identified 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-FC33	72	94 of 136	

MOD 58 Funding 318000.00  
Cumulative Funding 17964876.52

MOD 59

4301AP 130046579800001 (53161.90)

LLA :

F6 1751319 T7KC 252 67854 067443 2D C22780 5RCR5AU21730

Standard Number: M9545015RCR5AU2 (AA)

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

4301AS 130046776800001 (38359.64)

LLA :

F8 1751106 1A2A 252 67854 067443 2D M95450 5RCCM51717QM

Standard Number: M9545015RCCM517(AA)

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

620001 130029853200002 (17855.75)

LLA :

B7 1721106 1A2A 251 67854 067443 2D M95450 2RCALJ3611QM

Standard Number: M9545012RCALJ36 (AA)

Funding in support of Travel for TI-003 (AMANPADS). Note: 10 U.S.C. 2410a Authority is applicable. Contractor may incur costs for work performed against this SLIN up through 31 December 2012, or through the end date of the period of performance for CLIN 6200, whichever occurs first. Contractor may continue to invoice after the ending date, but only for work performed during the applicable period.

6301AD 130043968700002 (9833.43)

LLA :

F2 1741106 1A2A 252 67854 067443 2D M95450 4RCCMH5717QM

Standard Number: M9545014RCCMH57 (AA)

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

6301AK 130046579800002 (16287.20)

LLA :

F6 1751319 T7KC 252 67854 067443 2D C22780 5RCR5AU21730

Standard Number: M9545015RCR5AU2 (AA)

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

7001BC 130057251700001 175000.00

LLA :

J4 1761109 3006 310 67854 067443 2D 300600 6RC63756171B

Standard Number: M9545016RC63756(AA)

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

7001BD 130057311800001 30000.00

LLA :

J5 97X4930 NH1J 251 77777 0 050120 2F 000000 A00003457147

Standard Number: M9545016WR66635(AA)

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

7001BE 130057189500001 45000.00

LLA :

H9 2162020 0000 5L 5L20 4 23808. 00 000 31 EM 1CWWVW CW 6RNB0251 S01021

Standard Number: CW6RNB0251(AA)



CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 95 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

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

9001AU 130057251700002 10000.00

LLA :

J4 1761109 3006 310 67854 067443 2D 300600 6RC63756171B

Standard Number: M9545016RC63756(AA)

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

9001AV 130057311800002 3000.00

LLA :

J5 97X4930 NH1J 251 77777 0 050120 2F 000000 A00003457147

Standard Number: M9545016WR66635(AA)

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

9001AW 130057189500003 4500.00

LLA :

H9 2162020 0000 5L 5L20 4 23808. 00 000 31 EM 1CWWVW CW 6RNB0251 S01021

Standard Number: CW6RNB0251(AA)

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

MOD 59 Funding 132002.08  
Cumulative Funding 18096878.60

MOD 60

7003AA 130057565100001 750000.00

LLA :

J4 1761109 3006 310 67854 067443 2D 300600 6RC63756171B

Standard Number: M9545016RC63756(AA)

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

9003AA 130057565100002 35000.00

LLA :

J4 1761109 3006 310 67854 067443 2D 300600 6RC63756171B

Standard Number: M9545016RC63756(AA)

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

MOD 60 Funding 785000.00  
Cumulative Funding 18881878.60

MOD 61

4301AW 130049113200001 (24725.67)

LLA :

G3 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002819981

Standard Number: M9545014WR46437(AA)

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

6301AE 130044762200002 (3042.32)

LLA :

F3 1741109 6520 251 67854 067443 2D 652000 4RC46622152T

Standard Number: M9545014RC46622 (AA)

Contractor may NOT perform against this SLIN after POP date identified 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-FC33	72	96 of 136	

through and including the aforementioned date.

7003AB 130057868800001 475000.00

LLA :

J2 1761109 3123 257 67854 067443 2D 312300 6RC63660135E

Standard Number: M9545016RC63660(AA)

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

7003AC 130058846100001 215750.00

LLA :

K2 1761106 1A2A 257 67854 067443 2D M95450 6RCCDN2413LT

Standard Number: M9545016RCCDN24(AA)

2410(a) funds expire for this SLIN 365 days from effective date of above modification, or through 31 August 2017, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

7003AD 130059233100001 71536.71

LLA :

J6 1751319 T7KC 310 67854 067443 2D C22780 6RCR5FP01730

Standard Number: M9545016RCR5FP0(AA)

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

7003AE 130058933000001 140000.00

LLA :

J7 1761106 1A2A 251 67854 067443 2D M95450 6RCCMN9217QM

Standard Number: M9545016RCCMN92(AA)

2410(a) funds expire for this SLIN 365 days from effective date of above modification, or through 30 August 2017, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

7003AF 130059203400001 21000.00

LLA :

J8 97X4930 NH1J 257 77777 0 050120 2F 000000 A00003580056

Standard Number: F2VUF06055GW03(AA)

2410(a) funds expire for this SLIN 365 days from effective date of above modification, or through 30 August 2017, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

9001AL 130053020800002 (894.77)

LLA :

H2 97X4930 NH1J 251 77777 0 050120 2F 000000 A00003096850

Standard Number: M9545014WR46437(AA)

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

9003AB 130057868800002 25000.00

LLA :

J2 1761109 3123 257 67854 067443 2D 312300 6RC63660135E

Standard Number: M9545016RC63660(AA)

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

9003AC 130058846100002 10000.00

LLA :

K2 1761106 1A2A 257 67854 067443 2D M95450 6RCCDN2413LT

Standard Number: M9545016RCCDN24(AA)

2410(a) funds expire for this SLIN 365 days from effective date of above modification, or through 31 August 2017 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-FC33	72	97 of 136	

9003AD 130058933000002 9500.00

LLA :

J7 1761106 1A2A 251 67854 067443 2D M95450 6RCCMN9217QM

Standard Number: M9545016RCCMN92(AA)

2410(a) funds expire for this SLIN 365 days from effective date of above modification, or through 30 August 2017, whichever occurs first. Contractor may continue to invoice after this date, but only for work performed during the applicable period.

MOD 61 Funding 939123.95  
Cumulative Funding 19821002.55

MOD 62

7003AG 130059693400001 112616.00

LLA :

J9 1761109 6670 251 67854 067443 2D 667000 6RC66C871535

Standard Number: M9545016RC66C87(AA)

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

MOD 62 Funding 112616.00  
Cumulative Funding 19933618.55

MOD 63

610004 1258-9941 (4.84)

LLA :

A3 97X4930. NH1J 000 77777 0 000164 2F 000000 J7500GG35033

Funding in support of TI-0002 (MCV). Note: 10 U.S.C. 2410a Authority does NOT apply. Funds expire by the end date of the period of performance for CLIN 6100 (9/21/2012), Contractor may continue to invoice after this date, but only for work performed up through and including the end date of the period of performance for CLIN 6100 (9/21/2012).

MOD 63 Funding -4.84  
Cumulative Funding 19933613.71

MOD 64

7003AH 130060127900001 91000.00

LLA :

K1 2162040 A5X GS 27 3 735371 RU 08 251 A 0010897786 A0021828870040525419 021001

Standard Number: 10897786(AA)

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

9003AE 130060127900002 7700.00

LLA :

K1 2162040 A5X GS 27 3 735371 RU 08 251 A 0010897786 A0021828870040525419 021001

Standard Number: 10897786(AA)

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

MOD 64 Funding 98700.00  
Cumulative Funding 20032313.71

MOD 65 Funding 0.00  
Cumulative Funding 20032313.71

MOD 66

420019 130041113300001 (6830.00)

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 98 of 136	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

LLA :

D6 1741109 3123 251 67854 067443 2D 312300 4RC43354135E

Standard Number: M9545014RC43354

Contractor may NOT perform against this SLIN after 30 December 2014. Contractor may continue to invoice after this date, but only for work performed through and including the aforementioned date.

4301AT 130047296900001 (57000.00)

LLA :

F9 1751109 3123 251 67854 067443 2D 3123SB 5RC53230131F

Standard Number: M9545015RC53230(AA)

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

6301AM 130047296900002 (10757.27)

LLA :

F9 1751109 3123 251 67854 067443 2D 3123SB 5RC53230131F

Standard Number: M9545015RC53230(AA)

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

7001BA 130056437400001 (8833.02)

LLA :

J2 1761109 3123 257 67854 067443 2D 312300 6RC63660135E

Standard Number: M9545016RC63660(AA)

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

MOD 66 Funding -83420.29

Cumulative Funding 19948893.42

MOD 67

420014 130037967900001 (1071.93)

LLA :

D1 1731106 1A3A 257 67004 067004 2D 000000 BZ353MP355DB

Standard Number: M9886113MP355DB

Funding in support of TI-0015, Runway Sweeper. Note: 10 U.S.C. 2410a Authority does apply. Funds expire 30 May 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 May 2014.

620006 130037967900002 (1.04)

LLA :

D1 1731106 1A3A 257 67004 067004 2D 000000 BZ353MP355DB

Standard Number: M9886113MP355DB

Funding in support of TI-0015, Runway Sweeper. Note: 10 U.S.C. 2410a Authority does apply. Funds expire 30 May 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 May 2014.

MOD 67 Funding -1072.97

Cumulative Funding 19947820.45

MOD 68

7003AJ 130062045200001 67757.27

LLA :

F9 1751109 3123 251 67854 067443 2D 3123SB 5RC53230131F

Standard Number: M9545015RC53230(AA)

Contractor may NOT perform against this SLIN after POP date identified 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-FC33	72	99 of 136	

9003AF 130062054600001 10226.51

LLA :

H5 1761319 T7KC 310 67854 067443 2D C22780 6RCR6FW01730

Standard Number: M9545016RCR6FW0(AA)

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

9003AG 130062240700001 27679.86

LLA :

J4 1761109 3006 310 67854 067443 2D 300600 6RC63756171B

Standard Number: M9545016RC63756(AA)

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

MOD 68 Funding 105663.64

Cumulative Funding 20053484.09

MOD 69 Funding 0.00

Cumulative Funding 20053484.09

MOD 70

4301AW 130049113200001 (7126.13)

LLA :

G3 97X4930 NH1J 251 77777 0 050120 2F 000000 A00002819981

Standard Number: M9545014WR46437(AA)

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

7001AQ 130053020800001 (1517.67)

LLA :

H2 97X4930 NH1J 251 77777 0 050120 2F 000000 A00003096850

Standard Number: M9545014WR46437(AA)

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

MOD 70 Funding -8643.80

Cumulative Funding 20044840.29

MOD 71

620006 130037967900002 (0.41)

LLA :

D1 1731106 1A3A 257 67004 067004 2D 000000 BZ353MP355DB

Standard Number: M9886113MP355DB

Funding in support of TI-0015, Runway Sweeper. Note: 10 U.S.C. 2410a Authority does apply. Funds expire 30 May 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 May 2014.

MOD 71 Funding -0.41

Cumulative Funding 20044839.88

MOD 72

610011 130025899000001 (3976.94)

LLA :

A5 1711109 3006 252 67854 067443 2D 300603 1RC1316411M0

Standard Number: M6785411RC13164 (AA)

Funding in support of TI-0003 Travel Only.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 100 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

MOD 72 Funding -3976.94  
Cumulative Funding 20040862.94

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 101 of 136	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.

(2) National Stock Number (NSN). The National Stock Number (NSN) for an item of supply consists of the

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 102 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

applicable four position Federal Supply Class (FSC) plus the applicable nine position NIIN assigned to the item of supply.

**5252.216-9122 LEVEL OF EFFORT (DEC 2000)**

(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 ██████████ 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.

(b) Of the total man-hours of direct labor set forth above, it is estimated that     0     man-hours are uncompensated effort.

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 (j) 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 ██████████ 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) If the total level of effort specified in paragraph (a) above is not provided by the Contractor during the period of this contract, the Contracting Officer, at its sole discretion, shall either (i) reduce the fee of this contract as follows:

$$\text{Fee Reduction} = \text{Fee} \frac{(\text{Required LOE} - \text{Expended LOE})}{\text{Required LOE}}$$

or (ii) subject to the provisions of the clause of this contract entitled "LIMITATION OF COST" (FAR 52.232-20) or "LIMITATION OF COST (FACILITIES)" (FAR 52.232-21), as applicable, require the Contractor to continue to perform the work until the total number of man-hours of direct labor specified in paragraph (a) above shall have been expended, at no increase in the fee of this contract.



CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 103 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

(h) 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.

(i) 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 and, in the case of an underrun in hours specified as the total level of effort; and (6) a calculation of the appropriate fee reduction in accordance with this clause. All submissions shall include subcontractor information.

(j) 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 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.

(k) Notwithstanding any of the provisions in the above paragraphs, the Contractor may furnish man-hours up to five percent in excess of the total man-hours specified in paragraph (a) above, provided that the additional effort is furnished within the term hereof, and provided further that no increase in the estimated cost or fee is required.

**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	ESTIMATED	
		ALLOTED TO FEE	PERIOD OF PERFORMANCE
4100	\$5,777,117.08	\$433,332.47	09/22/2011 - 12/31/2012
6100	\$ 579,948.56	\$ 0.00	09/22/2011 - 12/31/2012
4200	\$2,387,116.60	\$178,956.66	09/22/2012 - 12/31/2014
6200	\$ 122,783.33	\$ 0.00	09/22/2012 - 12/31/2014

(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.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 104 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

(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.

\* see section G

**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.

**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

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 105 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

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 5252.237-9106 SUBSTITUTION OF PERSONNEL (SEP 1990)**

(a) The Contractor agrees that a partial basis for award of this contract is the list of key personnel proposed. Accordingly, the Contractor agrees to assign to this contract those key persons whose resumes were submitted with the proposal necessary to fulfill the requirements of the contract. No substitution shall be made without prior notification to and concurrence of the Contracting Officer in accordance with this requirement.

(b) All proposed substitutes shall have qualifications equal to or higher than the qualifications of the person to be replaced. The Contracting Officer shall be notified in writing of any proposed substitution at least forty-five (45) days, or ninety (90) days if a security clearance is to be obtained, in advance of the proposed substitution. Such notification shall include: (1) an explanation of the circumstances necessitating the substitution; (2) a complete resume of the proposed substitute; and (3) any other information requested by the Contracting Officer to enable him/her to judge whether or not the Contractor is maintaining the same high quality of personnel that provided the partial basis for award.

**RAPIDGate NSA/NSWC CRANE INSTALLATION ACCESS . . . . .(May 2012)**

If this contract includes the clause "FAR 52.204-9 Personal Identity Verification of Contractor Personnel" or will otherwise require frequent access to NSA/NSWC Crane site, the Contractor shall consider taking advantage of the benefits available from the following RAPIDGate program:

NSA/NSWC Crane is implementing the Navy Commercial Access Control System (NCACS) projects. The NCACS is the standard identity management and perimeter installation access control solution for the access management of vendors, contractors, suppliers and service providers who are not authorized a Common Access Card (CAC). The rationale for implementation of this system is to increase security while reducing impacts to the contractor community by improving efficiencies for base entry.

The new protocol being implemented to fulfill this NCACS requirement is the RAPIDGate system. The system meets Presidential Directive (HSPD-12) requirements by providing background checks of contractor personnel. A personal badge that affords base access (and/or multiple base access) for one year will be issued to each Contractor employee that meets background check criteria. While Contractors are not required to participate in this

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 106 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

program, those Contractors who choose not to participate will be required to obtain daily passes for base access.

There are costs for contractors to participate in the RAPIDGate program which include a fee for the Contractor's form and a fee per Contractor employee. Costs to participating Contractor's are recaptured through increased productivity of their employees due to the reduction in waiting times at the Pass and Identification Office and Entry Control Point (ECP). Costs shall not be directly billed to the Government. The costs to participate in the RAPIDGate program are identified in the table below.

A Government Sponsor is required to validate a Contractor's request for RAPIDGate access, and shall be the Contracting Officer's Representative (COR). If there is no COR, then the Government Sponsor is the Contracting Officer (KO).

The Government does not guarantee the contractor's successful enrollment or the successful enrollment of any contractor employees in the RAPIDGate program. Significant delays may result from choosing to access the installation by obtaining a one day pass. The Government will not be held responsible for any access delays associated with using the daily pass process. Please address any questions or concerns regarding RAPIDGate to the COR or the local Base Security Office personnel listed below.

NSA/NSWC Crane RAPIDGate Primary Program Point of Contact is Jon Thomas, and can be reached at [Jon.M.Thomas@Navy.mil](mailto:Jon.M.Thomas@Navy.mil) or at 812-854-5624. NSA/NSWC Crane RAPIDGate Secondary Program Point of Contact is Larry Patterson, and can be reached at [Larry.Patterson@Navy.mil](mailto:Larry.Patterson@Navy.mil) or 812-854-5642.

Additional information is available at <http://www.rapidgate.com/rapidgate>

RAPIDGate Pricing—(Subject to change without notice):

<u>Program</u>	<u>Enrollment</u>	<u>Price</u>
Single Installation	Company	\$199.99 annually
Single Installation	Employee	\$159.00 annually
Enterprise (Multiple installations)	Company	\$249.00 annually - 2 or more installations
Enterprise (Multiple installations)	Employee	\$199.00 annually 2 or more installations
90 day Option	Employee	\$59.00 per 90 days
Replacement Credential	Employee	\$30.00 per credential

**252.225-7993 Prohibition on Contracting with the Enemy in the United States Central Command Theater of Operations (DEVIATION 2012-00005) (JAN 2012)**

(a) The Contractor is required to exercise due diligence to ensure that none of the funds received under this contract are provided, directly or indirectly, to a person or entity who is actively supporting an insurgency or otherwise actively opposing U.S. or coalition forces in a contingency operation.

(b) The Head of the Contracting Activity (HCA) has the authority to-

(1) Terminate this contract for default, in whole or in part, if the HCA determines in writing that the Contractor failed to exercise due diligence as required by paragraph (a) of this clause; or

(2) Void this contract, in whole or in part, if the HCA determines in writing that any funds received under this Contract have been provided, directly or indirectly, to a person or entity who is actively supporting an insurgency or otherwise actively opposing U.S. or coalition forces in a contingency operation.

**252.225-7994 Additional Access to Contractor and Subcontractor Records in the United States Central**

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 107 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

**Command Theater of Operations (DEVIATION 2012-00005)(JAN 2012)**

(a) In addition to any other existing examination-or-records authority. The Department of Defense is authorized to examine any records of the Contractor to the extent necessary to ensure that funds available under this Contract are not-

(1) Subject to extortion or corruption; or

(2) Provided, directly or indirectly, to persons or entities that are actively supporting an insurgency or otherwise actively opposing United States or coalition forces in a contingency operation.

(b) The substance of this clause, including this paragraph (b), is required to be included in subcontracts under this Contract that have an estimated value over \$100,000.

**952.222-0001 PROHIBITION AGAINST HUMAN TRAFFICKING, INHUMANE LIVING CONDITIONS, AND WITHHOLDING OF EMPLOYEE PASSPORTS (AUG 2011)**

(a) All contractors (“contractors” refers to both prime contractors and all subcontractors at all tiers) are reminded of the prohibition contained in Title 18, United States Code, Section 1592, against knowingly destroying, concealing, removing, confiscating, or possessing any actual or purported passport or other immigration document, or any other actual or purported government identification document, of another person, to prevent or restrict or to attempt to prevent or restrict, without lawful authority, the person’s liberty to move or travel, in order to maintain the labor or services of that person.

(b) Contractors are also required to comply with the following provisions:

(1) Contractors shall only hold employee passports and other identification documents discussed above for the shortest period of time reasonable for administrative processing purposes.

(2) Contractors shall provide all employees with a signed copy of their employment contract, in English as well as the employee’s native language, that defines the terms of their employment/compensation.

(3) Contractors shall not utilize unlicensed recruiting firms or firms that charge illegal recruiting fees.

(4) Contractors shall be required to provide adequate living conditions (sanitation, health, safety, living space) for their employees. Fifty square feet is the minimum acceptable square footage of personal living space per employee. Upon contractor’s written request, Contracting Officers may grant a waiver in writing in cases where the existing square footage is within 20% of the minimum, and the overall conditions are determined by the Contracting Officer to be acceptable. A copy of the waiver approval shall be maintained at the respective life support area.

(5) Contractors shall incorporate checks of life support areas to ensure compliance with the requirements of this Trafficking in Persons Prohibition into their Quality Control program, which will be reviewed within the Government’s Quality Assurance process.

(6) Contractors shall comply with International and Host Nation laws regarding transit/exit/entry procedures and the requirements for visas and work permits.

(c) Contractors have an affirmative duty to advise the Contracting Officer if they learn of their employees violating the human trafficking and inhumane living conditions provisions contained herein. Contractors are advised that Contracting Officers and/or their representatives will conduct random checks to ensure contractors and subcontractors at all tiers are adhering to the law on human trafficking, humane living conditions and withholding of passports.

(d) The contractor agrees to incorporate the substance of this clause, including this paragraph, in all subcontracts under his contract.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 108 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

### 952.223-0001 REPORTING KIDNAPPINGS, SERIOUS INJURIES AND DEATHS (AUG 2011)

Contractors shall notify the Contracting Officer, as soon as practicable, whenever employee kidnappings, serious injuries or deaths occur.

Report the following information:

Contract Number

Contract Description & Location

Company Name

Reporting party:

Name

Phone number

e-mail address

Victim:

Name

Gender (Male/Female)

Age

Nationality

Country of permanent residence

Incident:

Description

Location

Date and time

Other Pertinent Information

### 952.225-0001 ARMING REQUIREMENTS AND PROCEDURES FOR PERSONAL SECURITY SERVICES CONTRACTORS AND FOR REQUESTS FOR PERSONAL PROTECTION (AUG 2011)

(a) **General.** Contractor and its subcontractors at all tiers that require arming under this contract agree to obey all laws, regulations, orders, and directives applicable to the use of private security personnel in Iraq and Afghanistan, including U.S. CENTCOM, United States Forces - Iraq (USF-I) and United States Forces - Afghanistan (USFOR-A) Commander orders, instructions, and directives. Contractors will ensure that all employees, including employees at any tier of subcontracting relationships armed under the provisions of this contract, comply with the contents of this clause and with the requirements set forth in the following:

- (1) DODI 3020.50, *Private Security Contractors (PSCs) Operating in Contingency Operations*;
- (2) DODI 3020.41, *Program Management for Acquisition and Operational Contract Support in Contingency Operations*;
- (3) DFARS 252.225-7040, *Contractor Personnel Authorized to Accompany U.S. Armed Forces Deployed Outside the United States*;
- (4) Class Deviation 2011-O0004, Contractor Personnel in the United States Central Command Area of Responsibility
- (5) USFOR-A, FRAGO 11-128, *Outlines Management of Armed Contractors and Private Security Companies Operating in the Combined Joint Operations Area - Afghanistan (CJOA-A)*
- (6) USF-I OPOD 11-01, Annex C, Appendix 20

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 109 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

(7) U.S. CENTCOM Policy and Delegation of Authority for Personal Protection and Contract Security Service Arming of DoD Civilian Personnel, dated 18 Jan 2011.

(b) **Required Contractor Documentation.** Contractors and their subcontractors at all tiers that require arming approval shall provide to the arming approval authority via the COR consistent documentation (signed and dated by the employee and employer as applicable) for each of their employees who will seek authorization to be armed under the contract as follows:

(1) Weapons Qualification/Familiarization. All employees must meet the weapons qualification requirements on the requested weapon(s) established by any DoD or other U.S. government agency, Law of Armed Conflict (LOAC); Rules for the Use of Force (RUF), as defined in the U.S. CENTCOM Policy, dated 23 December 2005; and distinction between the above-prescribed RUF and the Rules of Engagement (ROE), which are applicable only to military forces.

(2) Completed DD Form 2760 (or equivalent documentation) for each armed employee, indicating that the employee is not otherwise prohibited under U.S. law from possessing the required weapon or ammunition.

(3) Written acknowledgement by the individual of the fulfillment of training responsibilities and the conditions for the authorization to carry firearms. This document includes the acknowledgement of the distinctions between the ROE applicable to military forces and RUF that control the use of weapons by DoD civilians, DoD contractors and PSCs.

(4) Written acknowledgement signed by both the armed employee and by a representative of the employing company that use of weapons could subject both the individual and company to U.S. and host nation prosecution and civil liability.

(5) A copy of the contract between the contractor's company and the U.S. Government that verifies the individual's employment and addresses the need to be armed.

(6) One (1) copy of a business license from the Iraqi or Afghani Ministry of Trade or Interior.

(7) One (1) copy of a license to operate as a PSC (or a temporary operating license) from the Ministry of Interior.

(c) **Communication Plan.** The contractor will submit to the COR a communications plan that, at a minimum, sets forth the following:

(1) The contractor's method of notifying military forces and requesting assistance where hostilities arise, combat action is needed, or serious incidents have been observed.

(2) How relevant threat information will be shared between contractor security personnel and U.S. military forces.

(3) How the contractor will coordinate transportation with appropriate military authorities.

(d) **Plan for Accomplishing Employee Vetting.** The contractor will submit to the COR an acceptable plan for vetting all contractor and subcontractor employees. The contractor shall, at a minimum, perform the following (which will be specifically addressed in its plan):

(1) Local Nationals: Perform Local and National Agency background checks in accordance with Host Nation Government policies and protocols.

(2) Use one or more of the following sources when conducting the background checks on Third Country Nationals: Interpol, FBI, Country of Origin Criminal Records, Country of Origin U.S. Embassy Information Request, or CIA records.

(3) All local nationals and third country nationals will voluntarily submit to full biometric enrollment in accordance with theater biometric policies prior to submitting arming requests. All local nationals and third country nationals will voluntarily submit to routine biometric screening in accordance with local installation

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 110 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

policies and procedures. The contractor will immediately notify the COR, local installation Force Protection agency, and the theater arming approval authority of any individuals who are revealed as potential security risks during biometric processing.

(4) The Contractor shall provide to the COR official written certification of candidate(s) suitability for employment. This certification may address multiple employees on a single certification but must clearly state each employee was vetted in accordance with the Contractor's plan for accomplishing employee vetting.

(e) **Penalties for Non-Compliance.** Failure of contractor or subcontractor employee(s) to comply with the laws, regulations, orders, and rules (including those specified herein) governing the use of force, training, arming authorization, and incident reporting requirements may result in the revocation of weapons authorization for such employee(s). Where appropriate, such failure may also result in the total revocation of weapons authorization for the contractor (or subcontractor) and sanctions under the contract, including termination.

(f) **Criminal and Civil Liability.** Arming of contractor or subcontractor employees under this contract may subject the contractor, its subcontractors, and persons employed by the same to the civil and criminal jurisdiction of the U.S. and Host Nation. "Host Nation" refers to the nation or nations where services under this contract are performed.

(g) **Lapses in Training or Authorization.** Failure to successfully retrain an employee who has been properly authorized to be armed under this contract within twelve (12) months of the last training date will constitute a lapse in the employee's authorization to possess and carry the weapon. All unauthorized employees will immediately surrender their weapon and authorization letter to the contractor and will remain unarmed until such time as they are retrained and newly approved by the arming authority. Additionally, the arming authority's authorization letter is valid for a maximum of twelve (12) months from the date of the prior letter (unless authorization is earlier invalidated by a lapse in training).

(h) **Authorized Weapon & Ammunition Types.** Unless DCDRUSCENTCOM (or a designee) expressly provides otherwise, all arming requests and authorizations for contractor or subcontractor employees under this contract shall be limited to U.S. Government-approved weapons and ammunition. Notwithstanding Host Nation laws or regulations that would allow use of heavier weapons by contract security/PSC, all DoD security service / PSC contractors must have weapons approved by DCDRUSCENTCOM (or a designee) before use. This restriction applies to all weapons in the possession of contractor employees, even if such weapons are required for personal protection. The following weapons and ammunition are currently authorized by the U.S. Government for use in Iraq and Afghanistan:

(1) The M9, M4, M16, or equivalent (e.g. .45 CAL, AK-47).

(2) The M9 or equivalent sidearm will be the standard personal protection weapon unless other weapons are specifically requested and approved.

(3) Standard authorized weapons are selectable fire semi-automatic weapons only. All Non-U.S. and Non-standard weapons must be submitted to the theater arming authority for review and approval. Non-standard weapons are classified as any machine gun, belt-fed or crew served weapon or any weapon utilizing ammunition greater than 7.62mm X 51mm NATO. Contractors must also provide scorecards and criteria for qualification appropriate to the Non-standard weapon's caliber.

(4) U.S. government Ball ammunition is the standard approved ammunition.

(i) **Requirements for Individual Weapons Possession.** All employees of the contractor and its subcontractors at all tiers who are authorized to be armed under this contract must:

(1) Possess only those U.S. Government-approved weapons and ammunition for which they are qualified under the training requirements of section (b) and subsequently authorized to carry.

(2) Carry weapons only when on duty or at a specific post (according to their authorization).



CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 111 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

(3) Not conceal any weapons, unless specifically authorized.

(4) Carry proof of authorization to be armed. Employees not possessing such proof will be deemed unauthorized and must surrender their weapon to their employer.

(5) IAW USCENTCOM G.O. #1, consumption of alcohol or use of any intoxicating substances which may impair judgment, medication or otherwise in Iraq or Afghanistan is prohibited. In the event of a suspension or an exception to G.O. #1, employees shall not consume any alcoholic beverage while armed or within eight (8) hours of the next work period when they will be armed. There are no circumstances under which a person will be authorized to consume any alcoholic beverage or use any judgment impairing substance when armed for personal protection.

(j) **Weapons/Equipment Restrictions and Responsibilities.** Unless otherwise provided, the U.S. Government will not provide any weapons or ammunition to contractors, their subcontractors, or any employees of the same. The Contractor will provide all weapons and ammunition to those employees that will be armed under the contract. The contractor and its subcontractors at all tiers will also provide interceptor body armor, ballistic helmets, and the Nuclear, Biological, and Chemical (NBC) protective masks to those employees that require such equipment in the performance of their duties.

(k) **Rules for the Use of Force (RUF).** In addition to the RUF and ROE training referenced in paragraph (b), the contractor and its subcontractors at all tiers will monitor and report all activities of its armed employees that may violate the RUF and/or otherwise trigger reporting requirements as serious incidents. Prompt reporting demonstrates a desire by the contractor and its subcontractors to minimize the impact of any violations and, therefore, will be given favorable consideration. Violations of the RUF include, though are not limited to:

(1) Taking a direct part in hostilities or combat actions, other than to exercise self-defense.

(2) Failing to cooperate with Coalition and Host Nation forces.

(3) Using deadly force, other than in self-defense where there is a reasonable belief of imminent risk of death or serious bodily harm.

(4) Failing to use a graduated force approach.

(5) Failing to treat the local civilians with humanity or respect.

(6) Detaining local civilians, other than in self-defense or as reflected in the contract terms.

(l) **Retention and Review of Records.** The Contractor and all subcontractors at all tiers shall maintain records on weapons training, LOAC, RUF and the screening of employees for at least six (6) months following the expiration (or termination) of the contract. The Contractor and its subcontractors at all tiers shall make these records available to the Contracting Officer or designated representative, at no additional cost to the government, within 72 hours of a request.

(m) **Contractor Vehicles.** Vehicles used by contractor and subcontractor personnel in the course of their security duties shall not be painted or marked to resemble U.S./Coalition or host nation military and police force vehicles.

(n) **Monthly Reporting.** The prime contractor will report monthly arming status to the Contracting Officer responsible for this contract, and any other organization designated by the Contracting Officer in accordance with theater policy and the timelines defined in the Performance Work Statement.

#### **952.225-0002 ARMED PERSONNEL INCIDENT REPORTS (AUG 2011)**

(a) All contractors and subcontractors in the United States Forces-Iraq (USF-I) or United States Forces-Afghanistan (USFOR-A) theater of operations shall comply with and shall ensure that their personnel supporting USF-I or USFOR-A forces are familiar with and comply with all applicable orders, directives, and instructions issued by the respective USF-I or USFOR-A Commanders relating to force protection and safety.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 112 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

(b) **IRAQ:** Contractors shall provide an initial report of all weapons firing incidents or any other serious incidents they or their contractors are involved in to USF-I Contractor Operations Cell (CONOC) as soon as practical, but not later than 4 hours after the incident. The contractor and its subcontractors at all tiers shall submit a written report to CONOC, the Contracting Officer (KO) within 96 hours of the incident. Interim reports shall be submitted between the initial and final report, when necessary to the CONOC at [usfic3conoc@iraq.centcom.mil](mailto:usfic3conoc@iraq.centcom.mil) DSN 318-435-2369, UK# 0044 203 286 9851 or 0044 203 239 5894 or Skype: USFICONOC.

(c) **AFGHANISTAN:**

In the event a weapon firing incident or any other serious incident, contractors shall prepare and submit an initial incident report as soon as feasible, but not later than 4 hours from the beginning of the incident, to the Contracting Officer (KO), Contracting Officer's Representative (COR), USFOR-A ACOD, and USFOR-A J3 Situational Awareness Room (SAR). Additionally, the contractor and its subcontractors at all tiers shall submit a written report to the above personnel within 96 hours of the incident. Information shall include: the name of the company, where the incident occurred, time when the incident occurred, a brief description of the events leading up to the incident, and a point of contact for the company. Contractors and anyone re-transmitting the report shall make reasonable efforts to transmit incident reports via secured means (SIPRnet or CENTRIX) when the incident report includes operationally sensitive information.

(d) Contractors shall provide first aid and request MEDEVAC of injured persons, and remain available for U.S. or Coalition response forces, based upon the situation. In the event contractor personnel are detained by U.S. or Coalition Forces, prolonged detention due to lack of proper identification can be alleviated by contractor personnel possessing on their person information that includes the contractor's name, the contract number, a contractor management POC, and the phone number of the CONOC/SAR Watch. Contractor and subcontractor personnel shall carry their Letter of Authorization (LOA) on their person at all times.

**952.225-0003 FITNESS FOR DUTY AND MEDICAL/DENTAL CARE LIMITATIONS (AUG 2011)**

(a) The contractor shall perform the requirements of this contract notwithstanding the fitness for duty of deployed employees, the provisions for care offered under this section, and redeployment of individuals determined to be unfit. Contractor personnel who deploy for multiple tours, for more than 12 months total must be re-evaluated for fitness to deploy. An examination will remain valid for 15 months from the date of the physical. The contractor bears the responsibility for ensuring all employees are aware of the conditions and medical treatment available at the performance location. The contractor shall include this information and requirement in all subcontracts with performance in the theater of operations.

(b) The contractor shall not deploy an individual with any of the following conditions unless approved by the appropriate CENTCOM Service Component (i.e. ARCENT, AFCENT, etc.) Surgeon: Conditions which prevent the wear of personal protective equipment, including protective mask, ballistic helmet, body armor, and chemical/biological protective garments; conditions which prohibit required theater immunizations or medications; conditions or current medical treatment or medications that contraindicate or preclude the use of chemical and biological protective's and antidotes; diabetes mellitus, Type I or II, on pharmacological therapy; symptomatic coronary artery disease, or with myocardial infarction within one year prior to deployment, or within six months of coronary artery bypass graft, coronary artery angioplasty, or stenting; morbid obesity (BMI  $\geq$  40%); dysrhythmias or arrhythmias, either symptomatic or requiring medical or electrophysiological control; uncontrolled hypertension, current heart failure, or automatic implantable defibrillator; therapeutic anticoagulation; malignancy, newly diagnosed or under current treatment, or recently diagnosed/treated and requiring frequent subspecialist surveillance, examination, and/or laboratory testing; dental or oral conditions requiring or likely to require urgent dental care within six months' time, active orthodontic care, conditions requiring prosthodontic care, conditions with immediate restorative dentistry needs, conditions with a current requirement for oral-maxillofacial surgery; new onset (< 1 year) seizure disorder, or seizure within one year prior to deployment; history of heat stroke; Meniere's Disease or other vertiginous/motion sickness disorder, unless well controlled on medications available in theater; recurrent syncope, ataxias, new diagnosis (< 1 year) of mood disorder, thought disorder, anxiety, somatoform, or dissociative disorder, or personality disorder with mood or thought manifestations; unrepaired

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 113 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

hernia; tracheostomy or aphonia; renalithiasis, current; active tuberculosis; pregnancy; unclosed surgical defect, such as external fixer placement; requirement for medical devices using AC power; HIV antibody positivity; psychotic and bipolar disorders. (Reference: Mod 10 to USCENTCOM Individual Protection and Individual/Unit Deployment Policy, Tab A: Amplification of the Minimal Standards of Fitness for Deployment to the CENTCOM AOR).

(c) In accordance with military directives (DoDI 3020.41, DoDI 6000.11, CFC FRAGO 09-1038, DoD Federal Acquisition Regulation Supplement (DFARS) PGI 225.74), resuscitative care, stabilization, hospitalization at Level III (emergency) military treatment facilities and assistance with patient movement in emergencies where loss of life, limb or eyesight could occur will be provided. Hospitalization will be limited to emergency stabilization and short-term medical treatment with an emphasis on return to duty or placement in the patient movement system. Subject to availability at the time of need, a medical treatment facility may provide reimbursable treatment for emergency medical or dental care such as broken bones, lacerations, broken teeth or lost fillings.

(d) Routine and primary medical care is not authorized. Pharmaceutical services are not authorized for routine or known, routine prescription drug needs of the individual. Routine dental care, examinations and cleanings are not authorized.

(e) Notwithstanding any other provision of the contract, the contractor shall be liable for any and all medically-related services or transportation rendered. To view reimbursement rates that will be charged for services at all DoD deployed medical facilities please go to the following website: <http://comptroller.defense.gov/rates/fy2011.html> (change fiscal year as applicable).

#### **952.225-0004 COMPLIANCE WITH LAWS AND REGULATIONS (AUG 2011)**

(a) The Contractor shall comply with, and shall ensure that its employees and its subcontractors and their employees, at all tiers, are aware of and obey all U.S. and Host Nation laws, Federal or DoD regulations, and Central Command orders and directives applicable to personnel in Iraq and Afghanistan, including but not limited to USCENTCOM, Multi-National Force and Multi-National Corps operations and fragmentary orders, instructions, policies and directives.

(b) Contractor employees shall particularly note all laws, regulations, policies, and orders restricting authority to carry firearms, rules for the use of force, and prohibiting sexual or aggravated assault. Contractor employees are subject to General Orders Number 1, as modified from time to time, including without limitation, their prohibition on privately owned firearms, alcohol, drugs, war souvenirs, pornography and photographing detainees, human casualties or military security measures.

(c) Contractor employees may be ordered removed from secure military installations or the theater of operations by order of the senior military commander of the battle space for acts that disrupt good order and discipline or violate applicable laws, regulations, orders, instructions, policies, or directives. Contractors shall immediately comply with any such order to remove its contractor employee.

(d) Contractor employees performing in the USCENTCOM Area of Responsibility (AOR) may be subject to the jurisdiction of overlapping criminal codes, including, but not limited to, the Military Extraterritorial Jurisdiction Act (18 U.S.C. Sec. 3261, et al) (MEJA), the Uniform Code of Military Justice (10 U.S.C. Sec. 801, et al)(UCMJ), and the laws of the Host Nation. Non-US citizens may also be subject to the laws of their home country while performing in the USCENTCOM AOR. Contractor employee status in these overlapping criminal jurisdictions may be modified from time to time by the United States, the Host Nation, or by applicable status of forces agreements.

(e) Under MEJA, a person who engages in felony misconduct outside the United States while employed by or accompanying the Armed Forces is subject to arrest, removal and prosecution in United States federal courts. Under the UCMJ, a person serving with or accompanying the Armed Forces in the field during a declared war or contingency operation may be disciplined for a criminal offense, including by referral of charges to a General Court Martial. Contractor employees may be ordered into confinement or placed under conditions that restrict

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 114 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

movement within the AOR or administratively attached to a military command pending resolution of a criminal investigation.

(f) Contractors shall immediately notify military law enforcement and the Contracting Officer if they suspect an employee has committed an offense. Contractors shall take any and all reasonable and necessary measures to secure the presence of an employee suspected of a serious felony offense. Contractors shall not knowingly facilitate the departure of an employee suspected of a serious felony offense or violating the Rules for the Use of Force to depart Iraq or Afghanistan without approval from the senior U.S. commander in the country.

**952.225-0005 MONTHLY CONTRACTOR CENSUS REPORTING (AUG 2011)**

Contractor shall provide monthly employee census information to the Contracting Officer, by province, for this contract. Information shall be submitted either electronically or by hard-copy. Information shall be current as of the 25<sup>th</sup> day of each month and received by the Contracting Officer no later than the first day of the following month. The following information shall be provided for each province in which work was performed:

- (1) The total number (prime and subcontractors at all tiers) employees.
- (2) The total number (prime and subcontractors at all tiers) of U.S. citizens.
- (3) The total number (prime and subcontractors at all tiers) of local nationals (LN).
- (4) The total number (prime and subcontractors at all tiers) of third-country nationals (TCN).
- (5) Name of province in which the work was performed.
- (6) The names of all company employees who enter and update employee data in the Synchronized Pre-deployment & Operational Tracker (SPOT) IAW DFARS 252.225-7040 or DFARS DoD class deviation 2011-O0004.

**952.225-0009 MEDICAL SCREENING AND VACCINATION REQUIREMENTS FOR CONTRACTOR EMPLOYEES OPERATING IN THE CENTCOM AREA OF RESPONSIBILITY (AOR) (AUG 2011)**

(a) Contractors and subcontractors at any tier shall ensure and provide satisfactory evidence that all locally hired employees, including Local National (LN), Third Country National (TCN), and U.S. employees, working on bases have been screened for and do not currently have active tuberculosis (TB).

(1) Contractors may initially utilize a testing method of either a chest x-ray or TB skin test (TST), depending on the originating country of a contracted employee.

(i) Chest x-rays (CXR's), symptom survey, and Body Mass Index (BMI) shall be taken, and TSTs administered within 12 months prior to the start of deployment/employment. Contractors are required to bring in a physical copy of the pre-employment CXR film as it is the only way to verify interval changes should an active case of TB occur.

(A) Third Country Nationals (TCNs) and Local Nationals (LNs) cannot be screened with the TST. They need the pre-employment screening with a quality CXR, BMI and symptom survey.

(B) Small-Risk Nationals (SRNs), those with less than 25 TB cases per 100,000 persons annually (mostly expats from Europe and US), can be screened via the TST.

(ii) Annual re-screening for TCNs, and LNs will be performed with a CXR conducted by the Contractor's medical provider or local economy provider who will look for interval changes from prior CXR's and review any changes in the symptom survey.

(iii) SRN's do not require annual TB re-screening. However, for a TB contact investigation, a TST or Interferon Gamma Release Assay (IGRA) is required.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 115 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

(iv) For a contact investigation, all personnel with a positive TST or IGRA will be evaluated for potential active TB with a symptom screen, exposure history, BMI, and CXR. All cases of suspected or confirmed active TB must be reported to the theater Preventive Medicine (PM) physician and/or TB Consultant as soon as possible. TB reporting is required within 24 hours to the PM POC. Contact tracing, and medical coding have specific requirements. All Small-Risk National (SRN) contract personnel are required to be MEDEVAC'd out of theater, at the contractor's expense, for treatment of active TB, after consultation with the Theater PM or TB Consultant. For SRN personnel, the contractor is responsible for management and compliance with all prescribed public health actions.

(v) Screening may be performed either by a licensed medical provider from the local economy or by the contractors' licensed medical staffs. Contractors shall maintain medical screening documentation and make it available to the Contracting Officer upon request.

(2) TB screening and documentation is a requirement prior to receiving badges to work in the CENTCOM Area of Operations. A copy of the TB screening documentation shall be provided to the responsible Base Operations Center prior to issuance of base access badges.

(b) Contractor employees, including subcontractors at any tier, who work in food service positions and/or water and ice production facilities, shall have current Typhoid and Hepatitis "A" (full series) immunizations in accordance with the Centers for Disease Control and Prevention guidelines (e.g. typhoid vaccination booster is required every 2 years), in addition to the required TB tests. The contractor medical provider must complete a pre-placement examination to include a stool sample test for ova and parasites, and annual medical screening form or equivalent for food service, ice and water production workers.

(c) Proof of individual employee vaccinations shall be provided to the Contracting Officer and COR showing that their employees and their subcontractor employees at any tier have received the above vaccinations. The contractor shall maintain their employees' vaccination records for examination by the Contracting Officer. The contractor shall ensure that their subcontractors at any tier maintain their respective employees' vaccination records for examination by the Contracting Officer.

(d) The contractor is responsible for management and compliance with all prescribed public health actions regarding TB in the contracted personnel. The contractor also bears the responsibility of ensuring that adequate health management for TB (screening/diagnosis/treatment/isolation) is available at the contractor's chosen health care provider for their contracted and subcontracted personnel.

NOTE: Contractors are reminded of the requirement to comply with their contract and all regulatory guidance (DoD Instructions/Regulations, Federal Acquisition Regulation as Supplemented, and FRAGO's) as applicable regarding Medical Screening and Vaccination Requirements.

### **952.225-0011 GOVERNMENT FURNISHED CONTRACTOR SUPPORT (AUG 2011)**

The following is a summary of the type of support the Government will provide the contractor, on an "as-available" basis. In the event of any discrepancy between this summary and the description of services in the Statement of Work, this clause will take precedence.

\* CAAF means Contractors Authorized to Accompany Forces.

#### U.S. Citizens Accompanying the Force

X APO/FPO/MPO/Postal Services	X DFACs	X Mil Issue Equip
Authorized Weapon	X Excess Baggage	X MILAIR
X Billeting	Fuel Authorized	X MWR
X CAAF*	X Govt Furnished Meals	X Resuscitative Care
X Controlled Access Card (CAC)	X Military Banking	X Transportation
Badge	Military Clothing	All
Commissary	X Military Exchange	None

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 116 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

Dependents Authorized

Third-Country National (TCN) Employees

APO/FPO/MPO/Postal Services	DFACs	Mil Issue Equip
Authorized Weapon	Excess Baggage	MILAIR
Billeting	Fuel Authorized	MWR
CAAF*	Govt Furnished Meals	X Resuscitative Care
X Controlled Access Card (CAC)	Military Banking	Transportation
Badge	Military Clothing	All
Commissary	Military Exchange	None
Dependents Authorized		

Local National (LN) Employees

APO/FPO/MPO/Postal Services	DFACs	Mil Issue Equip
Authorized Weapon	Excess Baggage	MILAIR
Billeting	Fuel Authorized	MWR
CAAF*	Govt Furnished Meals	X Resuscitative Care
X Controlled Access Card (CAC)	Military Banking	Transportation
Badge	Military Clothing	All
Commissary	Military Exchange	None
Dependents Authorized		

**952.225-0013 CONTRACTOR HEALTH AND SAFETY (AUG 2011)**

(a) Contractors shall comply with all National Electrical Code (NEC 2008), Specifications as outlined, and MIL Standards and Regulations. All infrastructure to include, but not limited to, living quarters, showers, and restrooms shall be installed and maintained in compliance with these standards and must be properly supported and staffed to ensure perpetual Code compliance, prevent hazards and to quickly correct any hazards to maximize safety of those who use or work at the infrastructure. The government has the authority to enter and inspect contractor employee living quarters at any time to ensure the prime contractor is complying with safety compliance standards outlined in the 2008 National Electric Code (NEC).

(b) The contractor shall correct all deficiencies within a reasonable amount of time of contractor becoming aware of the deficiency either by notice from the government or a third party, or discovery by the contractor. Further guidance on mandatory compliance with NFPA 70: NEC 2008 can be found on the following link <http://www.nfpa.org>.

**952.225-0016 CONTRACTOR DEMOBILIZATION (AFGHANISTAN) (AUG 2011)**

(a) Full demobilization of contractors and subcontractor(s) in the Afghanistan Combined Joint Operations Area (CJOA) is critical to responsible drawdown. The prime contractor is required to submit a demobilization plan to the Contracting Officer a minimum of 120 days prior to the end of the contract performance period or when requested by the Contracting Officer. The demobilization plan shall address, as a minimum, the following procedures detailed below. The procedures outline specific guidance to ensure a timely and responsible exit from theater. Prime contractors are responsible and accountable to ensure their subcontractor(s) at all tiers comply with responsible and timely exit from theater immediately following contract performance completion or termination.

(1) Exit from Afghanistan: The prime contractor is responsible to remain cognizant of Afghan laws regarding exit from Afghanistan. Currently, all foreigners traveling out of Afghanistan airports via commercial air transportation must have exit visas. Department of Defense, U.S. Forces-Afghanistan, Letters of Authorization (LOAs), and/or Embassy Badges are not accepted means of exiting Afghanistan. All U.S. citizens and foreign national contractors exiting via commercial means must obtain an Afghanistan exit sticker before departing the

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 117 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

country. The exit sticker may be obtained from Ministry of Interior (MOI) office. It is the prime contractor's responsibility to ensure that the most recent exit procedures are followed and to ensure that subcontractor(s) at all tiers are in compliance with exit procedures. It is to the responsibility of the contractor to work with the Embassy of Afghanistan or Afghanistan MOI as required.

(2) Letter of Authorization (LOA): The prime contractor is responsible for demobilizing its workforce, including subcontractor employees at all tiers, and all contractor owned and subcontractor owned equipment out of theater as part of the prime contractor's exit strategy. This exit strategy must include reasonable timeframes starting with the end of the contract performance period and not exceeding 30 days. The Contracting Officer has the authority to extend selected LOAs up to, but not exceeding 30 calendar days after the contract completion date to allow the prime contractor to complete demobilization of its workforce and contractor owned equipment, as well as subcontractor(s) workforce and owned equipment, out of the Afghanistan CJOA. The prime contractor shall notify the Contracting Officer a minimum of 30 days prior to the end of the contract period to request up to a 30-day extension of selected LOAs beyond the contract completion date to complete demobilization. The request shall include at a minimum:

(i) the name of each individual requiring a new LOA;

(ii) the number of days for the LOA (no more than 30 calendar days); and

(iii) justification for the request (e.g., what function the individual(s) will be performing during the demobilization period).

The Contracting Officer may request additional information for an LOA extension. Any LOA extension granted beyond the contract completion date shall not exceed 30 days and the contractor is not entitled to additional compensation for this period. If approved by the Contracting Officer, this is a no cost extension of an employee's LOA due to demobilization and in no way is an extension of the contract performance period.

(3) Badging: The prime contractor is responsible to ensure all employee badges, including subcontractor employees at all tiers, are returned to the local Access Control Badging Office for de-activation and destruction. The prime contractor shall submit a Badge Termination Report to ensure each record is flagged and the badge is revoked. If a prime and/or subcontractor employee's badge is not returned, the prime contractor shall submit a Lost, Stolen or Unrecovered Badge Report to the appropriate Access Control Badging Office. Contractor employees in possession of a Common Access Card (CAC) shall be responsible for turning in the CAC upon re-deployment through a CONUS Replacement Center in the U.S. Failure to return employee badges in a timely manner may result in delay of final payment.

(4) Contractor Controlled Facility Space: If the prime contractor has entered into a Memorandum of Understanding with the Installation Mayor or Garrison for site space, buildings, facilities, and/or Containerized Housing Units (CHU) to house prime and/or subcontractor employees (at all tiers), the prime contractor is responsible to notify the Installation Mayor or Garrison Commander of intent to vacate at least 90 calendar days prior to the end of the contract performance period. All United States Government (USG) provided property in the prime contractor's possession must be returned to the USG in satisfactory condition. The prime contractor is responsible and liable for any and all damages to USG property caused by prime and/or subcontractor employees, and shall be further liable for all cleanup, clearing, and/or environmental remediation expenses incurred by the USG in returning prime contractor and/or subcontractor facilities including surrounding site to a satisfactory condition, including expenses incurred in physically moving property, trash, and refuse from such premises, removing/ remediating hazardous wastes on the premises, and repairing structures, buildings, and facilities used by the prime contractor and/or subcontractor. The prime contractor shall provide notification to the Installation Mayor or Garrison Commander to perform an inspection of all facilities as soon as practicable, but no more than 30 days, after the end of the contract period. If damages are discovered, the prime contractor shall make the necessary repairs. The prime contractor shall notify the Installation Mayor or Garrison Commander for re-inspection of the facilities upon completion of the repairs. If the Installation Mayor or Garrison Commander inspects the property, site space, buildings, facilities, and/or CHUs and finds they have not been properly cleaned, cleared, and/or environmentally remediated, or if the prime contractor fails to repair any damages within 30

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 118 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

calendar days after the end of the contract performance period, the final contract payment shall be reduced by the amount of the specified damages/repairs or the expenses incurred by the USG to properly clean, clear, and/or environmentally remediate the premises.

(5) Government Furnished Equipment/Materials: The prime contractor is responsible to return all USG furnished equipment, as defined in Federal Acquisition Regulation (FAR) Part 45, clauses 52.245-1, if included in the contract. Prime contractors who are not in compliance with the FAR, Defense Federal Acquisition Regulation Supplement, Department of Defense Directives and Instructions, policies, or procedures will be responsible and liable for damages to the government property. The prime contractor may apply for a “relief of responsibility” from the Contracting Officer anytime during the contract performance period. A joint inventory shall be conducted of the equipment by the prime contractor, USG representative, and the Contracting Officer or their representative, within 10 calendar days after the end of the contract performance period. The prime contractor shall report lost, damaged or destroyed property immediately to the Contracting Officer, but no later than the joint inventory at the end of the contract period. If the prime contractor fails to report lost, damaged or destroyed equipment or materials during the contract performance period, the prime contractor shall be responsible for the replacement and/or repair of the equipment or materials. The replaced equipment shall be new, of the same quality, and shall perform at the same functional level as the missing piece of equipment. If the prime contractor fails to repair and/or replace damaged or missing equipment, the final payment shall be reduced by the appropriate amount of the specified damages or cost to replace missing equipment with new.

(6) Contractor Personal Property: The contractor is advised that all personal property left on the respective installation after the date of departure of said premises, shall be sold or otherwise disposed of in accordance with 10 U.S.C. § 2575.

(i) A request for the return of the property will be honored, if feasible, and if received before the expiration of the period of time allowed to vacate the installation.

(ii) If abandoned property is left on the respective installation, contractual remedies may be enforced against the contractor, (See paragraph (b) of this clause for potential contractual remedies). Additionally, even if the contractor waives its interest to all abandoned personal property, the contractor may still be liable for all costs incurred by the USG to remove or dispose of the abandoned property.

(iii) The contractor hereby authorizes the USG authority to dispose of any and all abandoned personal property in any manner the USG may deem suitable and hereby releases and discharges the USG and its agents from any and all claims and demands whatsoever that could otherwise be asserted because of the disposition of said abandoned personal property.

(7) Synchronized Predeployment Operational Tracker (SPOT): The prime contractor is responsible to close out the deployment of personnel, including subcontractor employees at all tiers, at the end of the contract completion period and to release the personnel from the prime contractor’s company in the SPOT database. The release of employee information must be accomplished no more than 30 calendar days after the end of the contract completion date.

(8) Accountability of Prime and Subcontractor Personnel: Whether specifically written into the contract or not, it is the expectation of the USG that for any persons brought into the Afghanistan CJOA for the sole purposes of performing work on USG contracts, contract employers will return employees to their point of origin/home country once the contract is completed or their employment is terminated for any reason. If the prime contractor fails to re-deploy an employee, or subcontractor employee at any tier, the USG shall notify the applicable U.S. Embassy to take appropriate action. Failure by the prime contractor to re-deploy its personnel, including subcontractor personnel at any tier, at the end of the contract completion date, could result in the contractor being placed on the Excluded Parties List System (EPLS) and not be allowed to propose on future U.S. contracts anywhere in the world.

(9) Personnel Recovery: Any DoD contractor with unaccounted for employees shall follow the instructions in the “Contractor Accountability and Personnel Recovery” Clause 952.225-20. The contractor may use the



CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 119 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

Contracting Fusion Cell as a resource to track or research employees last known location and/or to view LOA's.

(b) CENTCOM - Joint Theater Support Contracting Command (C-JTSCC) and external agencies will utilize all available contracting remedies to guarantee compliance with demobilization requirements. Such actions include, but are not limited to withholding payment, issuing a cure notice, issuing a negative Contractor Performance Assessment Reporting System (CPARS) evaluation, reduction of award fee, debarment, reimbursement of U.S. Government expenses, and/or any other legal remedy available to a contracting officer. The USG reserves the right to withhold payment from the prime contractor not in compliance with the above procedures included herein. Additionally, the Contracting Officer shall document all unresolved contractor compliance issues in CPARS, which shall have an adverse past performance affect on future contracts with the USG, anywhere in the world.

**952.225-0017 CONTRACTOR DEMOBILIZATION (IRAQ) (AUG 2011)**

(a) Full demobilization of contractors and subcontractor(s) in the Iraq Combined Joint Operations Area (CJOA) is critical to Responsible Drawdown. The prime contractor is required to submit a demobilization plan to the Contracting Officer a minimum of 120 days prior to the end of the contract performance period or when requested by the Contracting Officer. The demobilization plan shall address, as a minimum, the following procedures detailed below. The procedures outline specific guidance to ensure a timely and responsible exit from theater. Prime contractors are responsible and accountable to ensure their subcontractor(s) at all tiers comply with responsible and timely exit from theater immediately following contract performance completion or termination.

(1) Exit from Iraq: The prime contractor shall follow the exit guidance issued by the United States (U.S.) Embassy Baghdad and shall ensure subcontractor(s) at all tiers also follow the exit procedures. The prime contractor is responsible to remain cognizant of Iraqi laws regarding exit from Iraq. Currently, all foreigners traveling out of Iraqi airports via commercial air transportation must have exit visas. Department of Defense, U.S. Forces-Iraq, Letters of Authorization (LOAs), and/or Embassy Badges are no longer the accepted means of exiting Iraq. All U.S. citizens and foreign national contractors must obtain an Iraqi exit sticker before departing the country. The exit sticker may be obtained from selected police stations or Ministry of Interior (MOI) offices. It is the prime contractor's responsibility to ensure that the most recent exit procedures are followed and to ensure that subcontractor(s) at all tiers are in compliance with exit procedures. Assistance for this procedure may be obtained by e-mailing [baghdadregmgt@state.gov](mailto:baghdadregmgt@state.gov) or phone 240-553-0581, ext 2782 or ext 2092.

(2) Letter of Authorization (LOA): The prime contractor is responsible for demobilizing its workforce, including subcontractor employees at all tiers, and all contractor owned and subcontractor owned equipment out of theater as part of the prime contractor's exit strategy. This exit strategy must include reasonable timeframes starting with the end of the contract performance period and not exceeding 30 days. The Contracting Officer has the authority to extend selected LOAs up to, but not exceeding 30 calendar days after the contract completion date to allow the prime contractor to complete demobilization of its workforce and contractor owned equipment, as well as subcontractor(s) workforce and owned equipment, out of the Iraq CJOA. The prime contractor shall notify the Contracting Officer a minimum of 30 days prior to the end of the contract period to request up to a 30-day extension of selected LOAs beyond the contract completion date to complete demobilization. The request shall include at a minimum:

- (i) the name of each individual requiring a new LOA;
- (ii) the number of days for the LOA (no more than 30 calendar days); and
- (iii) justification for the request (e.g., what function the individual(s) will be performing during the demobilization period).

The Contracting Officer may request additional information for an LOA extension. If approved by the Contracting Officer, this is a no cost extension of an employee's LOA due to demobilization and in no way is an extension of the contract performance period.

(3) Badging: The prime contractor is responsible to ensure all employee badges, including subcontractor

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 120 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

employees at all tiers, are returned to the local Access Control Badging Office for de-activation and destruction. The prime contractor shall submit a Badge Termination Report to ensure each record is flagged and the badge is revoked. If a prime and/or subcontractor employee's badge is not returned, the prime contractor shall submit a Lost, Stolen or Unrecovered Badge Report to the appropriate Access Control Badging Office. Contractor employees in possession of a Common Access Card (CAC) shall be responsible for turning in the CAC upon re-deployment through a CONUS Replacement Center in the U.S. Failure to return employee badges in a timely manner may result in delay of final payment.

(4) Contractor Controlled Facility Space: If the prime contractor has entered into a Memorandum of Understanding with the Installation Mayor or Garrison for site space, buildings, facilities, and/or Containerized Housing Units (CHU) to house prime and/or subcontractor employees (at all tiers), the prime contractor is responsible to notify the Installation Mayor or Garrison Commander of intent to vacate at least 90 calendar days prior to the end of the contract performance period. All United States Government (USG) provided property in the prime contractor's possession must be returned to the USG in satisfactory condition. The prime contractor is responsible and liable for any and all damages to USG property caused by prime and/or subcontractor employees, and shall be further liable for all cleanup, clearing, and/or environmental remediation expenses incurred by the USG in returning prime contractor and/or subcontractor facilities including surrounding site to a satisfactory condition, including expenses incurred in physically moving property, trash, and refuse from such premises, removing/remediating hazardous wastes on the premises, and repairing structures, buildings, and facilities used by the prime contractor and/or subcontractor. The prime contractor shall provide notification to the Installation Mayor or Garrison Commander to perform an inspection of all facilities as soon as practicable, but no more than 30 days, after the end of the contract period. If damages are discovered, the prime contractor shall make the necessary repairs. The prime contractor shall notify the Installation Mayor or Garrison Commander for re-inspection of the facilities upon completion of the repairs. If the Installation Mayor or Garrison Commander inspects the property, site space, buildings, facilities, and/or CHUs and finds they have not been properly cleaned, cleared, and/or environmentally remediated, or if the prime contractor fails to repair any damages within 30 calendar days after the end of the contract performance period, the final contract payment shall be reduced by the amount of the specified damages/repairs or the expenses incurred by the USG to properly clean, clear, and/or environmentally remediate the premises.

(5) Government Furnished Equipment (GFE)/Materials (GFM): Federal Acquisition Regulation (FAR) clause 52.245-1 governs and applies to any issues regarding GFE/GFM or Government Furnished Property (GFP).

(6) Contractor Personal Property: The contractor is advised that all personal property left on the respective installation after the date of departure of said premises, shall be sold or otherwise disposed of, as follows:

- (i) A request for the return of the property will be honored, if feasible, and if received before the expiration of the period of time allowed to vacate the installation.
- (ii) If abandoned property is left on the respective installation, contractual remedies may be enforced against the contractor, (See paragraph (b) of this clause for potential contractual remedies). Additionally, even if the contractor waives its interest to all abandoned personal property, the contractor may still be liable for all costs incurred by the USG to remove or dispose of the abandoned property.
- (iii) The contractor hereby authorizes the USG authority to dispose of any and all abandoned personal property in any manner the USG may deem suitable and hereby releases and discharges the USG and its agents from any and all claims and demands whatsoever that could otherwise be asserted because of the disposition of said abandoned personal property.

(7) Synchronized Pre-deployment Operational Tracker (SPOT): The prime contractor is responsible to close out the deployment of personnel, including subcontractor employees at all tiers, at the end of the person's employment or at the end of the contract completion period and to release the personnel from the prime contractor's company information as loaded in the SPOT database. The release of employee information must be accomplished no more than 30 calendar days after the termination of their employment or the end of the contract completion date, whichever occurs sooner.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 121 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

(8) Accountability of Prime and Subcontractor Personnel: Whether specifically written into the contract or not, it is the expectation of the USG that for any persons brought into the Iraq CJOA for the sole purposes of performing work on USG contracts, contract employers will return employees to their point of origin/home country once the contract is completed or their employment is terminated for any reason. On a case-by-case basis, Contracting Officers may approve a contract employee's request to transfer from an existing contract (as a USG prime or working as a subcontractor on an USG contract) to another USG prime contractor a USG subcontractor. In the instance of an employee leaving their current contract to be employed under another USG contract (either as a prime or subcontractor employee), the contractor losing the employee must terminate the LOA immediately, confiscate all badging, and notify MOI of the change in visa status within 24 hours of the employees termination. The receiving contractor is fully responsible for ensuring the employee has the appropriate passport and visas, badging, DD Form 93 Record of Emergency Data, and LOA in place in order for the new employee to begin work. If the prime contractor fails to re-deploy an employee (or subcontractor employee) at any tier, or fails to confiscate badging, terminate an LOA, or visa after an employee departs to another employer, the USG shall notify the applicable U.S. Embassy to take appropriate action. If the employee has sought employment under another contract, the gaining employer will be responsible for repatriation upon termination. Failure by the prime contractor to re-deploy its' personnel, including subcontractor personnel at any tier, at the end of the contract completion date, could result in the contractor being placed on the Excluded Parties List System (EPLS) and not be allowed to propose on future USG contracts anywhere in the world.

(9) Personnel Recovery: Any DoD contractor with unaccounted for employees shall follow the instructions in the "Contractor Accountability and Personnel Recovery" Clause 952.225-0018. The contractor may use the Contracting Fusion Cell as a resource to track or research employees last known location and/or to view LOA's.

(b) CENTCOM - Joint Theater Support Contracting Command (C-JTSCC) and external agencies will utilize all available contracting remedies to guarantee compliance with demobilization requirements. Such actions include, but are not limited to withholding payment, issuing a cure notice, issuing a negative Contractor Performance Assessment Reporting System (CPARS) evaluation, reduction of award fee, debarment, reimbursement of USG expenses, and/or any other legal remedy available to a Contracting Officer. The USG reserves the right to **withhold payment** from the prime contractor not in compliance with the above procedures included herein. Additionally, the Contracting Officer shall document all unresolved contractor compliance issues in CPARS, which shall have an adverse past performance affect on future contracts with the USG, anywhere in the world.

**952.225-0018 CONTRACTOR ACCOUNTABILITY AND PERSONNEL RECOVERY (IRAQ) (AUG 2011)**

(a) Contract performance may require work in dangerous or austere conditions. Except as otherwise provided in the contract, the contractor accepts the risks associated with required contract performance in such operations.

(1) Unaccounted Personnel: It is the expectation of the USG that any contractor brought into Iraq for the sole purposes of performance of work on a USG contract must be accounted for at all times by their respective employers. Additionally, contractors who maintain living quarters on a USG base shall verify the location of each of its employees' living quarters a minimum of once a month. If a DoD contracted employee becomes missing and evidence does not indicate foul play, a Personnel Recovery (PR) event is NOT automatically triggered. Such an event will be treated as an accountability battle drill by the employer's chain of command or civilian equivalent.

(2) Contractor Responsibilities: The contractor is responsible to take all necessary steps to locate and investigate the unaccounted for employee(s) whereabouts to the maximum extent practicable. To assist in this process, contractors may use the Contracting Fusion Cell as a resource to track or research employee's last known location and/or to view LOA's. All missing personnel will be immediately reported to the installation division Personnel Recovery Officer (PRO), Mayor's cell, Military Police Station and/or the Criminal Investigative Division, and the Base Defense Operations Center (BDOC).

(3) Contractor Provided Information: If it is determined that a potential criminal act has occurred, the USD PRO (or USF-I Personnel Recovery Division (PRD) with prior coordination) will attempt to validate the missing

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 122 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

person's identity through the employer. The contractor shall provide the information to PRD within 12 hours of request. The required information the contractor should keep on file includes but is not limited to: copy of the individual's Letter of Authorization generated by the Synchronized Pre-deployment and Operational Tracker System (SPOT), copy of passport and visas, housing information of where the individual resides such as room number and location, DD Form 93, Record of Emergency Data, copy of badging, and contact information for known friends or associates.

(b) If USF-I PRD determines through investigation that the unaccounted personnel have voluntarily left the installation either seeking employment with another contractor or other non-mission related reasons, PRD will notify the contractor. The contractor shall ensure that all government-related documents such as LOA's, visas, etc. are terminated/reconciled appropriately within 24 hours of notification by PRD in accordance with subparagraph (a)(8) of C-JTSCC Clause 952.225-0017 entitled "Contractor Demobilization (Iraq)". Contractors who fail to account for their personnel or whose employees create PR events will be held in breach of their contract and face all remedies available to the Contracting Officer.

### **952.225-0019 COMMODITY SHIPPING INSTRUCTIONS (AFGHANISTAN) (AUG 2011)**

(a) **USFOR-A FRAGO 10-200.** United States Forces Afghanistan (USFOR-A) has directed that all shipments into and out of the Combined Joint Operations Area - Afghanistan (CJOA-A) be coordinated through the Defense Transportation System (DTS) in order to expedite the customs clearance process and facilitate the use of in-transit visibility for all cargo in the CJOA-A

(b) **Information regarding the Defense Transportation System (DTS).** For instructions on shipping commodity items via commercial means using DTS, see the following websites:

1. Defense Transportation Regulation – Part II Cargo Movement - Shipper,

Trans-shipper, and Receiver Requirements and Procedures: [http://www.transcom.mil/dtr/part-ii/dtr\\_part\\_ii\\_203.pdf](http://www.transcom.mil/dtr/part-ii/dtr_part_ii_203.pdf)

2. Defense Transportation Regulation – Part II 4 Cargo Movement – Cargo

Routing and Movement: [http://www.transcom.mil/dtr/part-ii/dtr\\_part\\_ii\\_202.pdf](http://www.transcom.mil/dtr/part-ii/dtr_part_ii_202.pdf)

3. Defense Transportation Regulation – Part V - Department of Defense Customs and Border Clearance Policies and Procedures: [http://www.transcom.mil/dtr/part-v/dtr\\_part\\_v\\_512.pdf](http://www.transcom.mil/dtr/part-v/dtr_part_v_512.pdf)

(c) Responsibilities of the vendor carrier representative, shipping expediter, and/or customs broker:

1. Afghanistan Import Customs Clearance Request Procedures: The carrier, shipping expediter, and/or customs broker is responsible for being knowledgeable about the Afghan Customs Clearance Procedures.

2. Status of Customs Clearance Requests: All inquiries regarding the status of a customs clearance request prior to its submission to Department of Defense (DoD) Customs and after its return to the carrier representative or shipping expediter should be directed to the carrier or shipping agent.

3. Customs Required Documents: The carrier representative or shipping expediter is required to provide the DoD Contracting Officer Representative (COR) with all documentation that will satisfy the requirements of the Government of the Islamic Republic of Afghanistan (GIROA).

(d) **Required Customs Documents**: Documents must be originals (or copies with a company stamp). Electronic copies or photocopied documents will not be accepted by GIROA. The carrier is responsible for checking the current requirements for documentation with the Afghanistan Customs Department (ACD) as specified by the U.S. Embassy Afghanistan's SOP for Customs Clearance Requests Operations (<http://trade.gov/static/AFGCustomsSOP.pdf>) and paragraph 4 below.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 123 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

1. The U.S Ambassador Afghanistan diplomatic note guarantees that the U.S. Government (USG) shipments are exempt from Afghanistan Customs duties and taxes. USG shipments do not provide commercial carriers with the authority to unnecessarily delay shipments or holdover shipments in commercial storage lots and warehouses while en route to its final destination. The U.S. Embassy expects that shipments will be expedited as soon as customs clearance paperwork is received from the respective GIRoA officials.

2. Imports: Documentation must list the year, make, model, and color of the commodity, the commodity Identification Number (if applicable) and for vehicles, the Engine Block Number. The following documentation is required for all import shipments:

a. An original Customs Clearance Request (CCR) prepared by the COR in accordance with Afghanistan customs guidance referenced in paragraph 4 below.

b. Bills of Lading (for shipments by sea), Airway Bills (for shipments by air) or Commodity Movement Request (CMRs) (for overland shipments). In the consignee block, type in "US Military". This will help the Afghan Customs officials to recognize that the shipment belongs to the US Military and, therefore, the shipment is subject to tax exemption provisions as specified under the current Diplomatic Note or Military Technical Agreement (MTA).

c. Shipping Invoices.

d. Packing Lists. Required only if the shipping invoice does not list the cargo.

e. An Afghan Government Tax Exemption Form (Muaffi Nama) purchased from the Department of Customs and Revenue and prepared in the local language by the carrier representative, shipping agent, or customs broker.

f. A Diplomatic Note, prepared by DoD Customs, to the Ministry of Foreign Affairs requesting the initiation of customs formalities with the Ministry of Finance, Department of Customs and Exemptions. Please note that DoD Customs is not responsible for registering vehicles.

g. Commercially-owned equipment such as vehicles, construction machinery or generators that are leased and imported to Afghanistan for the performance of a USG contract may be subject to taxes and duties as determined by GIRoA. If commercially-owned equipment is imported into Afghanistan in a duty-free status, that duty-free status only applies as long as the equipment is under the exclusive use of the USG contract. If the equipment is released at the end of the contract, applicable GIRoA duties and taxes will apply to the owner if the equipment is not exported from Afghanistan or transferred to another USG contract.

h. USG-owned vehicles must be exported at the conclusion of the project period or transferred to another USG entity. Under certain conditions, the USG may transfer equipment or vehicles to GIRoA.

3. Exports: The following documentation is required for all export shipments:

a. An original CCR prepared by the COR. If COR is not available, the Contracting Officer (KO) will prepare the CCR.

b. Invoices.

c. Packing Lists. Required only if the shipping invoice does not list the cargo.

d. A Diplomatic Note, prepared by the DoD Customs Cell, to the Ministry of Foreign Affairs requesting the initiation of customs formalities with the Ministry of Finance, Department of Customs and Exemptions.

4. Customs requirements from the GIRoA may change with little notice. For current detailed instructions on customs guidelines in Afghanistan, refer to "The Instruction for Customs Clearance Request (Import/Export) Operations." In all cases, the carrier is required to obtain a copy of this document, found at the following link: <http://trade.gov/static/AFGCustomsSOP.pdf>

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 124 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

(e) **Point of contact (POC) for customs issues is the USFOR-A Joint Security Office (JSO) J3** at DSN: 318-449-0306 or 449-0302. Commercial to DSN conversion from the United States is (732) 327-5130, choose option #1, and then dial 88-318 followed by your seven-digit DSN number.

**952.225-0020 CONTRACTOR ACCOUNTABILITY AND PERSONNEL RECOVERY (AFGHANISTAN) (AUG 2011)**

(a) Contract performance may require work in dangerous or austere conditions. Except as otherwise provided in the contract, the contractor accepts the risks associated with required contract performance in such operations.

(1) Unaccounted Personnel: It is the expectation of the USG that any contractor brought into Afghanistan for the sole purposes of performance of work on a USG contract must be accounted for at all times by their respective employers. Additionally, contractors who maintain living quarters on a USG base shall verify the location of each of its employees' living quarters a minimum of once a month. If a DoD contracted employee becomes missing and evidence does not indicate foul play, a Personnel Recovery (PR) event is NOT automatically triggered. Such an event will be treated as an accountability battle drill by the employer's chain of command or civilian equivalent.

(2) Contractor Responsibilities: The contractor is responsible to take all necessary steps to locate and investigate the unaccounted for employee(s) whereabouts to the maximum extent practicable. To assist in this process, contractors may use the Contracting Fusion Cell as a resource to track or research employee's last known location and/or to view LOA's. All missing personnel will be immediately reported to the installation division Personnel Recovery Officer (PRO), Mayor's cell, Military Police Station and/or the Criminal Investigative Division, and the Base Defense Operations Center (BDOC).

(3) Contractor Provided Information: If it is determined that a potential criminal act has occurred, the USD PRO (or USFOR-A Personnel Recovery Division (PRD) with prior coordination) will attempt to validate the missing person's identity through the employer. The contractor shall provide the information to PRD within 12 hours of request. The required information the contractor should keep on file includes but is not limited to: copy of the individuals Letter of Authorization generated by the Synchronized Pre-deployment and Operational Tracker System (SPOT), copy of passport and visas, housing information of where the individual resides such as room number and location, DD Form 93, Record of Emergency Data, copy of badging, and contact information for known friends or associates.

(b) If USFOR-A PRD determines through investigation that the unaccounted personnel have voluntarily left the installation either seeking employment with another contractor or other non-mission related reasons, PRD will notify the contractor. The contractor shall ensure that all government-related documents such as LOA's, visas, etc. are terminated/reconciled appropriately within 24 hours of notification by PRD in accordance with subparagraph (a)(8) of C-JTSCC Clause 952.225-0016 entitled "Contractor Demobilization (Afghanistan)". Contractors who fail to account for their personnel or whose employees create PR events will be held in breach of their contract and face all remedies available to the Contracting Officer.

**CLAUSES INCORPORATED BY REFERENCE**

252.234-7002 Earned Value Management System

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 125 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

## SECTION I CONTRACT CLAUSES

### 52.217-8 - OPTION TO EXTEND SERVICE

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

4100 No later than 12 months after the TO Award date.

4200 No later than 24 months after the TO Award date.

6100 No later than 12 months after the TO Award date.

6200 No later than 24 months after the TO Award date.

### **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 \$392,009.00 **(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.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 126 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

**252.222-7999 ADDITIONAL REQUIREMENTS AND RESPONSIBILITIES RESTRICTING THE USE OF MANDTORY ARBITRATION AGREEMENTS (DEVIATION) (FEB 2010)**

Use the following clause in all contracts in excess of \$1 million utilizing funds appropriated by the Fiscal Year 2010 Defense Appropriations Act (Pub. L. 111-118), except in contracts for the acquisition of commercial items and commercially available off-the-shelf items.

(a) *Definitions.*

“Covered subcontract,” as used in this clause, means any subcontract, except a subcontract for the acquisition of commercial items or commercially available off-the-shelf items, that is in excess of \$1 million and uses Fiscal Year 2010 funds.

(b) The Contractor-

(1) Agrees not to-

(i) Enter into any agreement with any of its employees or independent contractors that requires, as a condition of employment, that the employee or independent contractor agree to resolve through arbitration any claim under title VII of the Civil Rights Act of 1964 or any tort related to or arising *out* of sexual assault or harassment, including assault and battery, intentional infliction of emotional distress, false imprisonment, or negligent hiring, supervision, or retention; or

(ii) Take any action to enforce any provision of an existing agreement with an employee or independent contractor that mandates that the employee or independent contractor resolve through arbitration any claim under title VII of the Civil Rights Act of 1964 or any tort related to or arising out of sexual assault or harassment, including assault and battery, intentional infliction of emotional distress, false imprisonment, or negligent hiring, supervision, or retention; and

(2) Certifies, by signature of the contract, for contracts awarded after June 17, 2010, that it requires each covered subcontractor to agree not to enter into, and not to take any action to enforce any provision of any agreements, as described in paragraph (b)(1) of this clause, with respect to any employee or independent contractor performing work related to such subcontract.

(c) The prohibitions of this clause do not apply with respect to a Contractor's or subcontractor's agreements with employees or independent contractors that may not be enforced in a court of the United States.

(d) The Secretary of Defense may waive the applicability of the restrictions of paragraph (b) to the Contractor or a particular subcontractor for the purposes of the contract or a particular subcontract if the Secretary or the Deputy Secretary personally determines that the waiver is necessary to avoid harm to national security interests of the United States, and that the term of the contract or subcontract is not longer than necessary to avoid such harm. This determination will be made public not less than 15 business days before the contract or subcontract addressed in the determination may be awarded.

**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.



CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 127 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

(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—

(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:

Contracts with any firm not included with the Basic Contract Proposal. For adding Team Members to the Task Order after award, the Task Order Contracting Officer's approval is required. The Task Order Contracting Officer will determine the documentation to be submitted by the Contractor for approval.

(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;

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 128 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

(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 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: \_

**FAR 52.228-3, Workers' Compensation Insurance (Defense Base Act) (Apr 1984)**

The Contractor shall

- (a) provide, before commencing performance under this contract, such workers' compensation insurance or security as the Defense Base Act (42 U.S.C. 1651, et seq.) requires and
- (b) continue to maintain it until performance is completed. The Contractor shall insert, in all subcontracts under this contract to which the Defense Base Act applies, a clause similar to this clause (including this sentence) imposing upon those subcontractors this requirement to comply with the Defense Base Act.

**252.225-7040 Contractor Personnel Authorized To Accompany U.S. Armed Forces Deployed Outside The United States (JUN 2011)**

(a) *Definitions.* As used in this clause—

“Combatant Commander” means the commander of a unified or specified combatant command established in accordance with 10 U.S.C. 161.

“Designated operational area” means a geographic area designated by the combatant commander or subordinate joint force commander for the conduct or support of specified military operations.

“Law of war” means that part of international law that regulates the conduct of armed hostilities. The law of war

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 129 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

encompasses all international law for the conduct of hostilities binding on the United States or its individual citizens, including treaties and international agreements to which the United States is a party, and applicable customary international law.

“Subordinate joint force commander” means a sub-unified commander or joint task force commander.

(b) *General.*

(1) This clause applies when Contractor personnel are authorized to accompany U.S. Armed Forces deployed outside the United States in—

(i) Contingency operations;

(ii) Humanitarian or peacekeeping operations; or

(iii) Other military operations or military exercises, when designated by the Combatant Commander.

(2) Contract performance in support of U.S. Armed Forces deployed outside the United States may require work in dangerous or austere conditions. Except as otherwise provided in the contract, the Contractor accepts the risks associated with required contract performance in such operations.

(3) Contractor personnel are civilians accompanying the U.S. Armed Forces.

(i) Except as provided in paragraph (b)(3)(ii) of this clause, Contractor personnel are only authorized to use deadly force in self-defense.

(ii) Contractor personnel performing security functions are also authorized to use deadly force when such force reasonably appears necessary to execute their security mission to protect assets/persons, consistent with the terms and conditions contained in their contract or with their job description and terms of employment.

(iii) Unless immune from host nation jurisdiction by virtue of an international agreement or international law, inappropriate use of force by contractor personnel authorized to accompany the U.S. Armed Forces can subject such personnel to United States or host nation prosecution and civil liability (see paragraphs (d) and (j)(3) of this clause).

(4) Service performed by Contractor personnel subject to this clause is not active duty or service under 38 U.S.C. 106 note.

(c) *Support.*

(1)(i) The Combatant Commander will develop a security plan for protection of Contractor personnel in locations where there is not sufficient or legitimate civil authority, when the Combatant Commander decides it is in the interests of the Government to provide security because—

(A) The Contractor cannot obtain effective security services;

(B) Effective security services are unavailable at a reasonable cost; or

(C) Threat conditions necessitate security through military means.

(ii) The Contracting Officer shall include in the contract the level of protection to be provided to Contractor personnel.

(iii) In appropriate cases, the Combatant Commander may provide security through military means, commensurate with the level of security provided DoD civilians.

(2)(i) Generally, all Contractor personnel authorized to accompany the U.S. Armed Forces in the designated operational area are authorized to receive resuscitative care, stabilization, hospitalization at level III military

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 130 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

treatment facilities, and assistance with patient movement in emergencies where loss of life, limb, or eyesight could occur. Hospitalization will be limited to stabilization and short-term medical treatment with an emphasis on return to duty or placement in the patient movement system.

(ii) When the Government provides medical treatment or transportation of Contractor personnel to a selected civilian facility, the Contractor shall ensure that the Government is reimbursed for any costs associated with such treatment or transportation.

(iii) Medical or dental care beyond this standard is not authorized unless specified elsewhere in this contract.

(3) Unless specified elsewhere in this contract, the Contractor is responsible for all other support required for its personnel engaged in the designated operational area under this contract.

(4) Contractor personnel must have a Synchronized Predeployment and Operational Tracker (SPOT)-generated letter of authorization signed by the Contracting Officer in order to process through a deployment center or to travel to, from, or within the designated operational area. The letter of authorization also will identify any additional authorizations, privileges, or Government support that Contractor personnel are entitled to under this contract.

(d) *Compliance with laws and regulations.*

(1) The Contractor shall comply with, and shall ensure that its personnel authorized to accompany U.S. Armed Forces deployed outside the United States as specified in paragraph (b)(1) of this clause are familiar with and comply with, all applicable—

(i) United States, host country, and third country national laws;

(ii) Provisions of the law of war, as well as any other applicable treaties and international agreements;

(iii) United States regulations, directives, instructions, policies, and procedures; and

(iv) Orders, directives, and instructions issued by the Combatant Commander, including those relating to force protection, security, health, safety, or relations and interaction with local nationals.

(2) The Contractor shall institute and implement an effective program to prevent violations of the law of war by its employees and subcontractors, including law of war training in accordance with paragraph (e)(1)(vii) of this clause.

(3) The Contractor shall ensure that contractor employees accompanying U.S. Armed Forces are aware—

(i) Of the DoD definition of “sexual assault” in DoDD 6495.01, Sexual Assault Prevention and Response Program;

(ii) That many of the offenses addressed by the definition are covered under the Uniform Code of Military Justice (see paragraph (e)(2)(iv) of this clause); and

(iii) That the offenses not covered by the Uniform Code of Military Justice may nevertheless have consequences to the contractor employees (see paragraph (h)(1) of this clause).

(e) *Pre-deployment requirements.*

(1) The Contractor shall ensure that the following requirements are met prior to deploying personnel authorized to accompany U.S. Armed Forces. Specific requirements for each category may be specified in the statement of work or elsewhere in the contract.

(i) All required security and background checks are complete and acceptable.

(ii) All deploying personnel meet the minimum medical screening requirements and have received all required

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 131 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

immunizations as specified in the contract. The Government will provide, at no cost to the Contractor, any theater-specific immunizations and/or medications not available to the general public.

(iii) Deploying personnel have all necessary passports, visas, and other documents required to enter and exit a designated operational area and have a Geneva Conventions identification card, or other appropriate DoD identity credential, from the deployment center. Any Common Access Card issued to deploying personnel shall contain the access permissions allowed by the letter of authorization issued in accordance with paragraph (c)(4) of this clause.

(iv) Special area, country, and theater clearance is obtained for personnel. Clearance requirements are in DoD Directive 4500.54, Official Temporary Duty Abroad, and DoD 4500.54-G, DoD Foreign Clearance Guide. Contractor personnel are considered non-DoD personnel traveling under DoD sponsorship.

(v) All personnel have received personal security training. At a minimum, the training shall—

(A) Cover safety and security issues facing employees overseas;

(B) Identify safety and security contingency planning activities; and

(C) Identify ways to utilize safety and security personnel and other resources appropriately.

(vi) All personnel have received isolated personnel training, if specified in the contract, in accordance with DoD Instruction 1300.23, Isolated Personnel Training for DoD Civilian and Contractors.

(vii) Personnel have received law of war training as follows:

(A) Basic training is required for all Contractor personnel authorized to accompany U.S. Armed Forces deployed outside the United States. The basic training will be provided through—

(1) A military-run training center; or

(2) A web-based source, if specified in the contract or approved by the Contracting Officer.

(B) Advanced training, commensurate with their duties and responsibilities, may be required for some Contractor personnel as specified in the contract.

(2) The Contractor shall notify all personnel who are not a host country national, or who are not ordinarily resident in the host country, that—

(i) Such employees, and dependents residing with such employees, who engage in conduct outside the United States that would constitute an offense punishable by imprisonment for more than one year if the conduct had been engaged in within the special maritime and territorial jurisdiction of the United States, may potentially be subject to the criminal jurisdiction of the United States in accordance with the Military Extraterritorial Jurisdiction Act of 2000 (18 U.S.C. 3621, *et seq.*);

(ii) Pursuant to the War Crimes Act (18 U.S.C. 2441), Federal criminal jurisdiction also extends to conduct that is determined to constitute a war crime when committed by a civilian national of the United States;

(iii) Other laws may provide for prosecution of U.S. nationals who commit offenses on the premises of U.S. diplomatic, consular, military or other U.S. Government missions outside the United States (18 U.S.C. 7(9)); and

(iv) In time of declared war or a contingency operation, Contractor personnel authorized to accompany U.S. Armed Forces in the field are subject to the jurisdiction of the Uniform Code of Military Justice under 10 U.S.C. 802(a)(10).

(f) *Processing and departure points.* Deployed Contractor personnel shall—

(1) Process through the deployment center designated in the contract, or as otherwise directed by the Contracting Officer, prior to deploying. The deployment center will conduct deployment processing to ensure visibility and

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 132 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

accountability of Contractor personnel and to ensure that all deployment requirements are met, including the requirements specified in paragraph (e)(1) of this clause;

(2) Use the point of departure and transportation mode directed by the Contracting Officer; and

(3) Process through a Joint Reception Center (JRC) upon arrival at the deployed location. The JRC will validate personnel accountability, ensure that specific designated operational area entrance requirements are met, and brief Contractor personnel on theater-specific policies and procedures.

(g) *Personnel data.*

(1) The Contractor shall enter before deployment and maintain data for all Contractor personnel that are authorized to accompany U.S. Armed Forces deployed outside the United States as specified in paragraph (b)(1) of this clause. The Contractor shall use the Synchronized Predeployment and Operational Tracker (SPOT) web-based system, at <http://www.dod.mil/bta/products/spot.html>, to enter and maintain the data.

(2) The Contractor shall ensure that all employees in the database have a current DD Form 93, Record of Emergency Data Card, on file with both the Contractor and the designated Government official. The Contracting Officer will inform the Contractor of the Government official designated to receive this data card.

(h) *Contractor personnel.*

(1) The Contracting Officer may direct the Contractor, at its own expense, to remove and replace any Contractor personnel who jeopardize or interfere with mission accomplishment or who fail to comply with or violate applicable requirements of this contract. Such action may be taken at the Government's discretion without prejudice to its rights under any other provision of this contract, including the Termination for Default clause.

(2) The Contractor shall have a plan on file showing how the Contractor would replace employees who are unavailable for deployment or who need to be replaced during deployment. The Contractor shall keep this plan current and shall provide a copy to the Contracting Officer upon request. The plan shall—

(i) Identify all personnel who are subject to military mobilization;

(ii) Detail how the position would be filled if the individual were mobilized; and

(iii) Identify all personnel who occupy a position that the Contracting Officer has designated as mission essential.

(3) Contractor personnel shall report to the Combatant Commander or a designee, or through other channels such as the military police, a judge advocate, or an inspector general, any suspected or alleged conduct for which there is credible information that such conduct—

(i) Constitutes violation of the law of war; or

(ii) Occurred during any other military operations and would constitute a violation of the law of war if it occurred during an armed conflict.

(i) *Military clothing and protective equipment.*

(1) Contractor personnel are prohibited from wearing military clothing unless specifically authorized in writing by the Combatant Commander. If authorized to wear military clothing, Contractor personnel must—

(i) Wear distinctive patches, arm bands, nametags, or headgear, in order to be distinguishable from military personnel, consistent with force protection measures; and

(ii) Carry the written authorization with them at all times.

(2) Contractor personnel may wear military-unique organizational clothing and individual equipment (OCIE) required for safety and security, such as ballistic, nuclear, biological, or chemical protective equipment.

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 133 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

(3) The deployment center, or the Combatant Commander, shall issue OCIE and shall provide training, if necessary, to ensure the safety and security of Contractor personnel.

(4) The Contractor shall ensure that all issued OCIE is returned to the point of issue, unless otherwise directed by the Contracting Officer.

(j) *Weapons.*

(1) If the Contractor requests that its personnel performing in the designated operational area be authorized to carry weapons, the request shall be made through the Contracting Officer to the Combatant Commander, in accordance with DoD Instruction 3020.41, paragraph 6.3.4.1 or, if the contract is for security services, paragraph 6.3.5.3. The Combatant Commander will determine whether to authorize in-theater Contractor personnel to carry weapons and what weapons and ammunition will be allowed.

(2) If the Contracting Officer, subject to the approval of the Combatant Commander, authorizes the carrying of weapons—

(i) The Contracting Officer may authorize the Contractor to issue Contractor-owned weapons and ammunition to specified employees; or

(ii) The [Contracting Officer to specify the appropriate individual, e.g., Contracting Officer's Representative, Regional Security Officer] may issue Government-furnished weapons and ammunition to the Contractor for issuance to specified Contractor employees.

(3) The Contractor shall ensure that its personnel who are authorized to carry weapons—

(i) Are adequately trained to carry and use them—

(A) Safely;

(B) With full understanding of, and adherence to, the rules of the use of force issued by the Combatant Commander; and

(C) In compliance with applicable agency policies, agreements, rules, regulations, and other applicable law;

(ii) Are not barred from possession of a firearm by 18 U.S.C. 922; and

(iii) Adhere to all guidance and orders issued by the Combatant Commander regarding possession, use, safety, and accountability of weapons and ammunition.

(4) Whether or not weapons are Government-furnished, all liability for the use of any weapon by Contractor personnel rests solely with the Contractor and the Contractor employee using such weapon.

(5) Upon redeployment or revocation by the Combatant Commander of the Contractor's authorization to issue firearms, the Contractor shall ensure that all Government-issued weapons and unexpended ammunition are returned as directed by the Contracting Officer.

(k) *Vehicle or equipment licenses.* Contractor personnel shall possess the required licenses to operate all vehicles or equipment necessary to perform the contract in the designated operational area.

(l) *Purchase of scarce goods and services.* If the Combatant Commander has established an organization for the designated operational area whose function is to determine that certain items are scarce goods or services, the Contractor shall coordinate with that organization local purchases of goods and services designated as scarce, in accordance with instructions provided by the Contracting Officer.

(m) *Evacuation.*

(1) If the Combatant Commander orders a mandatory evacuation of some or all personnel, the Government will

CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 134 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

provide assistance, to the extent available, to United States and third country national Contractor personnel.

(2) In the event of a non-mandatory evacuation order, unless authorized in writing by the Contracting Officer, the Contractor shall maintain personnel on location sufficient to meet obligations under this contract.

(n) *Next of kin notification and personnel recovery.*

(1) The Contractor shall be responsible for notification of the employee-designated next of kin in the event an employee dies, requires evacuation due to an injury, or is isolated, missing, detained, captured, or abducted.

(2) In the case of isolated, missing, detained, captured, or abducted Contractor personnel, the Government will assist in personnel recovery actions in accordance with DoD Directive 3002.01E, Personnel Recovery in the Department of Defense.

(o) *Mortuary affairs.* Mortuary affairs for Contractor personnel who die while accompanying the U.S. Armed Forces will be handled in accordance with DoD Directive 1300.22, Mortuary Affairs Policy.

(p) *Changes.* In addition to the changes otherwise authorized by the Changes clause of this contract, the Contracting Officer may, at any time, by written order identified as a change order, make changes in the place of performance or Government-furnished facilities, equipment, material, services, or site. Any change order issued in accordance with this paragraph (p) shall be subject to the provisions of the Changes clause of this contract.

(q) *Subcontracts.* The Contractor shall incorporate the substance of this clause, including this paragraph (q), in all subcontracts when subcontractor personnel are authorized to accompany U.S. Armed Forces deployed outside the United States in—

- (1) Contingency operations;
- (2) Humanitarian or peacekeeping operations; or
- (3) Other military operations or military exercises, when designated by the Combatant Commander.

**252.225-7997 – ADDITIONAL REQUIREMENTS AND RESPONSIBILITIES RELATING TO ALLEGED CRIMES BY OR AGAINST CONTRACTOR PERSONNEL IN IRAQ AND AFGHANISTAN (DEVIATION 2010-O0014) (AUG 2010)**

(a) The Contractor shall report to the appropriate investigative authorities, identified in paragraph (c) below, any alleged offenses under—

- (1) The Uniform Code of Military Justice (chapter 47 of title 10, United States code) (applicable to contractors serving with or accompanying an armed force in the field during a declared war or a contingency operation); or
- (2) The Military Extraterritorial Jurisdiction Act (chapter 212 of title 18, United States Code).

(b) The Contractor shall provide to all contractor personnel who will perform work on a contract in Iraq or Afghanistan, before beginning such work, information on the following:

- (1) How and where to report an alleged crime described in paragraph (a) of this clause.
- (2) Where to seek victim and witness protection and assistance available to contractor personnel in connection with an alleged offense described in paragraph (a) of this clause.

(c) The appropriate investigative authorities to which suspected crimes shall be reported include the following officials—

- (i) US Army Criminal Investigations Division at <http://www.cid.army.mil/reportacrime.html>;
- (ii) Air Force Office of Special Investigations at <http://www.osi.andrews.af.mil/library/factsheets>



CONTRACT NO. N00178-04-D-4119	DELIVERY ORDER NO. N00178-04-D-4119-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 135 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

[/factsheet.asp?id=14522;](#)

(iii) Navy Criminal Investigative Service at <http://www.ncis.navy.mil/Pages/publicdefault.aspx>; or

(iv) To the command of any supported military element or the command of any base.

(d) Personnel seeking whistleblower protection from reprisals for reporting criminal acts shall seek guidance through the DoD Inspector General hotline at (800) 424-9098 or [www.dodig.mil/HOTLINE/index.html](http://www.dodig.mil/HOTLINE/index.html). Personnel seeking other forms of victim or witness protections should contact the nearest military law enforcement office.

**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/>

- 52.203-16 Preventing Personal Conflicts of Interest (Dec 2011)
- 52.204-9 Personal Identity Verification of Contractor Personnel (SEP 2007)
- 52.204-10 Reporting Subcontract Awards (Sep 2007)
- 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)
- 52.232-20 Limitation of Cost (Apr 1984)
- 52.232-22 Limitation of Funds (Apr 1984)
- 52.237-3 Continuity of Services (Jan 1991)
- 52.245-1 Government Property (Jun 2007)
- 252.227-7013 Rights in Technical Data – Noncommercial Items (Nov 1995)
- 252.227-7014 Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation (Jun 1995)
- 252.227-7016 Rights to Bid and Proposal Information (Jun 1995)
- 252.227-7017 Identification and Assertion of Use, Release, or Disclosure restrictions (Jun 1995)
- 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-FC33	AMENDMENT/MODIFICATION NO. 72	PAGE 136 of 136	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

## **SECTION J LIST OF ATTACHMENTS**

Exhibit A - CDRLs A001-A018

Exhibit B - DD254 - Award

Exhibit C - Wage Determination (Rev10)

Exhibit D - Revised CDRL A001

Attachment 1 - QASP

Attachment 2 - Approved Subcontractor List - Deleted on Mod 03

Attachment 3 - GFE

Attachment 5 - Revised QASP

Attachment 6 - List of GFP