

**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**1. CONTRACT ID CODE  
RPAGE OF PAGES  
1 22. AMENDMENT/MODIFICATION NO.  
453. EFFECTIVE DATE  
23-Jun-20174. REQUISITION/PURCHASE REQ. NO.  
N/A5. PROJECT NO. (If applicable)  
N/A

6. ISSUED BY CODE

N00164

7. ADMINISTERED BY (If other than Item 6)

CODE

S2404A

NSWC, CRANE DIVISION  
300 Highway 361 - Building 3373  
Crane IN 47522-5001DCMA Manassas  
14501 George Carter Way, 2nd Floor  
Chantilly VA 20151

SCD: C

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

SCIENCE APPLICATIONS INTERNATIONAL CORP  
1710 SAIC Drive  
McLean VA 22102-3702

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

[X]

10A. MODIFICATION OF CONTRACT/ORDER NO.

N00178-04-D-4119-FC14

10B. DATED (SEE ITEM 13)

25-Sep-2007

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

[Redacted Signature]  
(Signature of person authorized to sign)

29-Jun-2017

BY [Redacted Signature]  
(Signature of Contracting Officer)

29-Jun-2017

NSN 7540-01-152-8070

30-105

STANDARD FORM 30 (Rev. 10-83)

PREVIOUS EDITION UNUSABLE

Prescribed by GSA  
FAR (48 CFR) 53.243

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## GENERAL INFORMATION

The purpose of this modification is to **(1) De-Obligate Funding**, Accordingly, said Task Order is modified as follows:

### 1. DE-OBLIGATE FUNDING:

Per request of the Contracting Officer's Representative (COR) and Requiring Technical Activities (RTAs), and subsequent concurrence of the Prime Contractor, Informational and Priced SLINs are hereby de-obligated and/or modified, as indicated in Section G.

The total funded amount available for this task order is hereby decreased by **\$1,381.77** from **\$42,536,274.12** to **\$42,534,892.35**.

This task order is incrementally funded and the amount currently available for payment hereunder is limited to **\$42,534,892.35** inclusive of fee, profit, and all other charges.

The clause entitled, Limitation of Funds (FAR 52.232-22), applies. The Government is not obligated to reimburse the Contractor for costs incurred in excess of **\$42,534,892.35** unless additional funds are made available and are incorporated as a modification to this task order.

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

The Line of Accounting information is hereby changed as follows:

The total amount of funds obligated to the task is hereby decreased from \$42,536,274.12 by \$1,381.77 to \$42,534,892.35.

CLIN/SLIN	Type Of Fund	From (\$)	By (\$)	To (\$)
400082	PANMC	42,000.00	(1,237.99)	40,762.01
600029	Fund Type - OTHER	2,065.15	(139.27)	1,925.88
600040	Fund Type - OTHER	15,946.76	(4.51)	15,942.25

The total value of the order is hereby increased from \$43,127,925.00 by \$0.00 to \$43,127,925.00.

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## 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
1000	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. (Fund Type - TBD)	1.0	LO			\$11,306,124.68
100001	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (A1) \$12,000 (Fund Type - TBD)					
100002	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (A2) \$40,003 DEOB \$0.01 on MOD17 (Fund Type - TBD)					
100003	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (A3) \$40,000 (Fund Type - TBD)					
100004	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management					

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
		support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (A3) \$60,000 (Fund Type - TBD)					
100005	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (A3) \$60,000 (Fund Type - TBD)					
100006	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (A4) \$9,000 (Fund Type - TBD)					
100007	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (A5) \$6,000 (Fund Type - TBD)					
100008	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (A6) \$25,000 (Fund Type - TBD)					
100009	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic					

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
		Development Division (Code 407). Basic year 1. Labor ACRN (A7) \$8,000 (Fund Type - TBD)					
100010	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (A8) \$18,000 (Fund Type - TBD)					
100011	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (A9) \$15,000 (Fund Type - TBD)					
100012	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (B2) \$10,000 (Fund Type - TBD)					
100013	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (B2) \$10,000. (Fund Type - TBD)					
100014	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (A7)					

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
		\$17,000 (Fund Type - TBD)					
100015	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (A7) \$9,000 DEOB \$0.01 on MOD 18 (Fund Type - TBD)					
100016	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (A3) \$70,000 (Fund Type - TBD)					
100017	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (A7) \$20,400 (Fund Type - TBD)					
100018	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (B4) \$25,000 (Fund Type - TBD)					
100019	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (B6) \$25,000 (Fund Type - TBD)					

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
100020	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (B7) \$23,000 (Fund Type - TBD)					
100021	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (B8) \$40,000 (Fund Type - TBD)					
100022	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (B9) \$77,000 (Fund Type - TBD)					
100023	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (C3) \$40,000 (Fund Type - TBD)					
100024	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (C4) \$50,400 (Fund Type - TBD)					
100025	R425	provide non-personal technical, engineering, management services,					

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
		scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (C5) \$65,000 (Fund Type - TBD)					
100026	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (C6) \$148,000 (Fund Type - TBD)					
100027	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (C7) \$75,000 (Fund Type - TBD)					
100028	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (C8) \$50,000 (Fund Type - TBD)					
100029	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (D1) \$65,000 (Fund Type - TBD)					
100030	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support					



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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
		services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (D2) \$50,000 (Fund Type - TBD)					
100031	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (D3) \$15,000 (Fund Type - TBD)					
100032	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (D3) \$15,000 (Fund Type - TBD)					
100033	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (D3) \$20,000 (Fund Type - TBD)					
100034	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (D4) \$25,000 (Fund Type - TBD)					
100035	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance					

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
		Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (D5) \$40,000 (Fund Type - TBD)					
100036	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (D2) \$135,000 (Fund Type - TBD)					
100037	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (D6) \$0, deobligated on MOD 08. (Fund Type - TBD)					
100038	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (D6) \$0, deobligated on MOD 08. (Fund Type - TBD)					
100039	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (E2) \$56,800 (Fund Type - TBD)					
100040	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance					

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
		Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (E3) \$200,000 (Fund Type - TBD)					
100041	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (E4) \$10,000 (Fund Type - TBD)					
100042	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (E4) \$570,000 (Fund Type - TBD)					
100043	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (E4) \$70,000 (Fund Type - TBD)					
100044	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (E6) \$5,940,000 De-Ob \$1,800,000 on MOD 14 (Fund Type - TBD)					
100045	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic					

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
		Development Division (Code 407). Basic year 1. Labor ACRN (E7) \$716,472 (Fund Type - TBD)					
100046	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (E8) \$25,000 (Fund Type - TBD)					
100047	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (E2) \$629,000 (Fund Type - TBD)					
100048	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (E9) \$55,000 (Fund Type - TBD)					
100049	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (D7) \$43,137 (Fund Type - TBD)					
100050	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (F1)					

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
		\$230,000 (Fund Type - TBD)					
100051	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (F2) \$100,000 (Fund Type - TBD)					
100052	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (F3) \$40,000 (Fund Type - TBD)					
100053	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (F4) \$407,000 (Fund Type - TBD)					
100054	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (F5) \$74,040 (Fund Type - TBD)					
100055	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (B2) \$20,000. Note: MOD 43 de-obligated \$342.57 from \$20,000.00 to					

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
		\$19,657.43. (Fund Type - TBD)					
100056	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (F7) \$20,000 (Fund Type - TBD)					
100057	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (F8) \$30,000 (Fund Type - TBD)					
100058	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (F9) \$18,000 (Fund Type - TBD)					
100059	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (G1) \$65,700 (Fund Type - TBD)					
100060	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (G2) \$150,000 (Fund Type - TBD)					

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
100061	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (G2) \$150,000 (Fund Type - TBD)					
100062	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (G2) \$36,000 (Fund Type - TBD)					
100063	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (G3) \$36,000 (Fund Type - TBD)					
100064	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (G3) \$120,000 (Fund Type - TBD)					
100065	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (G4) \$40,000 (Fund Type - TBD)					
100066	R425	provide non-personal technical, engineering, management services,					

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
		scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (G4) \$50,000 (Fund Type - TBD)					
100067	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (G5) \$18,000 (Fund Type - TBD)					
100068	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (F8) \$45,000 (Fund Type - TBD)					
100069	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (G6) \$28,000 (Fund Type - TBD)					
100070	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (G7) \$9,224.70 (Fund Type - TBD)					
100071	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support					



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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
		services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (G8) \$12,520 (Fund Type - TBD)					
100072	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (G9) \$4,130 (Fund Type - TBD)					
100073	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (H1) \$6,260 (Fund Type - TBD)					
100074	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor ACRN (H2) \$24,933 (Fund Type - TBD)					
100075	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor \$100,000 (Fund Type - TBD)					
100076	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance					

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
		Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor \$180,000 (Fund Type - TBD)					
100077	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor \$175,000 (Fund Type - TBD)					
100078	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor \$232,000 (Fund Type - TBD)					
100079	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor \$480,000 (Fund Type - TBD)					
100080	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor 288,105 (Fund Type - TBD)					
100081	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407).					

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
		Basic year 1. Labor \$50,000 (Fund Type - TBD)					
100082	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor \$40,000 (Fund Type - TBD)					
100083	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. Labor \$98,000 (Fund Type - TBD)					
1100	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. (Fund Type - TBD)	1.0	LO	██████████	██████████	\$11,635,929.70
110001	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$15,000 (Fund Type - TBD)					
110002	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$90,000 (Fund Type - TBD)					

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
110003	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$80,000 (Fund Type - TBD)					
110004	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$125,000 (Fund Type - TBD)					
110005	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$2,100,000 (Fund Type - TBD)					
110006	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$110,000 (Fund Type - TBD)					
110007	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$80,000 (Fund Type - TBD)					
110008	R425	provide non-personal technical, engineering, management services,					

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
		scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$26956 (Fund Type - TBD)					
110009	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$50,000 (Fund Type - TBD)					
110010	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$82,000 (Fund Type - TBD)					
110011	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$1,135,000 (Fund Type - TBD)					
110012	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$21,333 (Fund Type - TBD)					
110013	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support					

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
		services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$8,000 (Fund Type - TBD)					
110014	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$50,000 (Fund Type - TBD)					
110015	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$50,000. Per mod 23 SLIn 110015 is deobligated by \$10,900 which leaves \$39,100. (Fund Type - TBD)					
110016	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$30,000 (Fund Type - TBD)					
110017	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$767250 (Fund Type - TBD)					
110018	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support					

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
		services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$350,000 (Fund Type - TBD)					
110019	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$1,366,232 (Fund Type - TBD)					
110020	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$400,000 (Fund Type - TBD)					
110021	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$100,000 (Fund Type - TBD)					
110022	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$500,000 (Fund Type - TBD)					
110023	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance					

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
		Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$65,000 (Fund Type - TBD)					
110024	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$36,509 (WCF)					
110025	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$3,000 (WCF)					
110026	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$1,078,431. Per Mod 41, SLIN 110026 is deobligated by \$80.27 to a value of \$1,078,350.73. (RDT&E)					
110027	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$25,000 (WCF)					
110028	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$1,300,000					



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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
		(RDT&E)					
110029	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$300,000 (WCF)					
110030	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$658,560 (WCF)					
110031	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$68,973.70. Changed on MOD 29 to decrease from \$80,000 to \$68,973.70) (WCF)					
110032	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$38,666. (WCF)					
110033	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$32,018. Per Mod 41, SLIN 110033 is deobligated by \$43.37 to a value of \$31,974.63. (WCF)					

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
110034	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$20,000. (WCF)					
110035	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$50,000. (WCF)					
110036	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$80,000. (WCF)					
110037	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$67,000. (WCF)					
110038	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. Labor \$30,000. Note: MOD 43 de-obligated \$1,422.22 from \$30,000.00 to \$28,577.78. Note: MOD 44 de-obligated \$15.36 from \$28,577.78 to \$28,562.42. (WCF)					
110039	R425	provide non-personal technical, engineering, management services, scientific and technical support					

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
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services, logistics support  
 services and data management  
 support services to the Ordnance  
 Engineering Department Pyrotechnic  
 Development Division (Code 407).  
 Basic year 2. Labor \$44,000. (WCF)

110040 R425 provide non-personal technical,  
 engineering, management services,  
 scientific and technical support  
 services, logistics support  
 services and data management  
 support services to the Ordnance  
 Engineering Department Pyrotechnic  
 Development Division (Code 407).  
 Basic year 2. Labor \$10,601. (WCF)

110041 R425 provide non-personal technical,  
 engineering, management services,  
 scientific and technical support  
 services, logistics support  
 services and data management  
 support services to the Ordnance  
 Engineering Department Pyrotechnic  
 Development Division (Code 407).  
 Basic year 2. Labor \$130,000. Per  
 Mod 41, SLIN 110041 is deobligated  
 by \$1,045.98 to a value of  
 \$128,954.02. (WCF)

110042 R425 provide non-personal technical,  
 engineering, management services,  
 scientific and technical support  
 services, logistics support  
 services and data management  
 support services to the Ordnance  
 Engineering Department Pyrotechnic  
 Development Division (Code 407).  
 Basic year 2. Labor \$47,300. (Fund  
 Type - OTHER)

110043 R425 provide non-personal technical,  
 engineering, management services,  
 scientific and technical support  
 services, logistics support  
 services and data management  
 support services to the Ordnance  
 Engineering Department Pyrotechnic  
 Development Division (Code 407).  
 Basic year 2. Labor \$25,000. (WCF)

For ODC Items:

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
3000	R425	provide ODCs in support of services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. (Fund Type - TBD)	1.0	LO	\$3,809,124.00
300001	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (A1) \$3,000 (Fund Type - TBD)			
300002	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (B1) \$7,400 (Fund Type - TBD)			
300003	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (B3) \$3,270 (Fund Type - TBD)			
300004	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (A3) \$10,000 (Fund Type - TBD)			
300005	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (A3) \$10,000 (Fund Type - TBD)			
300006	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (A4) \$1,000 (Fund Type - TBD)			
300007	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (A5) \$4,000 (Fund Type - TBD)			
300008	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (A6) \$5,000 (Fund Type -			

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
		TBD)			
300009	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (A7) \$2,000 (Fund Type - TBD)			
300010	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (A8) \$2,000 (Fund Type - TBD)			
300011	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (A9) \$5,000 (Fund Type - TBD)			
300012	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (B2) \$800. Note: MOD 43 de-obligated \$800.00 from \$800.00 to \$0.00. (Fund Type - TBD)			
300013	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (B2) \$1,000. Note: MOD 43 de-obligated \$372.67 from \$1,000.00 to \$627.33. (Fund Type - TBD)			
300014	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (A7) \$3,000 (Fund Type - TBD)			
300015	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (A7) \$1,000 (Fund Type - TBD)			
300016	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (A3) \$28,640 (Fund Type - TBD)			

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
300017	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (B3) \$ 0 / Deobligate, moved to 300022 to correct ACRN error. (Fund Type - TBD)			
300018	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (B5) \$2,000 (Fund Type - TBD)			
300019	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (B5) \$23,000 (Fund Type - TBD)			
300020	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (B7) \$2,000 (Fund Type - TBD)			
300021	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (C1) \$8,000 (Fund Type - TBD)			
300022	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (C2) \$89,000 / moved from 300017 to correct ACRN error. (Fund Type - TBD)			
300023	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (C5) \$135,000 (Fund Type - TBD)			
300024	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (C6) \$37,000 (Fund Type - TBD)			
300025	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics			

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
		support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (C9) \$236,897 (Fund Type - TBD)			
300026	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (C7) \$5,000 (Fund Type - TBD)			
300027	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (D7) \$7,731 (Fund Type - TBD)			
300028	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (D1) \$35,000 (Fund Type - TBD)			
300029	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (D2) \$10,000 (Fund Type - TBD)			
300030	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (D8) \$450,000 (Fund Type - TBD)			
300031	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (D9) \$300,000 (Fund Type - TBD)			
300032	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (E1) \$15,000 (Fund Type - TBD)			
300033	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division			

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
		(Code 407). Basic year 1. ODCs ACRN (D2) \$34,000 (Fund Type - TBD)			
300034	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (E2) \$14,200 (Fund Type - TBD)			
300035	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (E3) \$50,000 (Fund Type - TBD)			
300036	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (D8) \$25,000 (Fund Type - TBD)			
300037	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (E5) \$100,000 (Fund Type - TBD)			
300038	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (E6) \$660,000 (Fund Type - TBD)			
300039	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (E7) \$275,000 (Fund Type - TBD)			
300040	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (E2) \$300,000 (Fund Type - TBD)			
300041	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (E9) \$20,000 (Fund Type - TBD)			



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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
300042	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (F6) \$11,736 (Fund Type - TBD)			
300043	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (F8) \$20,000 (Fund Type - TBD)			
300044	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (F9) \$1,000 (Fund Type - TBD)			
300045	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (G1) \$0.00 (Changed on MOD 29 to decrease from \$3,500 to \$0.00) (Fund Type - TBD)			
300046	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (G4) \$45,000 (Fund Type - TBD)			
300047	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (G5) \$2,000. Per Mod 41, SLIN 300047 is deobligated by \$196.07 to a value of \$1,803.93. (Fund Type - TBD)			
300048	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs ACRN (F8) \$295,000 (Fund Type - TBD)			
300049	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs \$38,000 (Fund Type - TBD)			
300050	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics			

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
		support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs \$20,000 (Fund Type - TBD)			
300051	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs \$113,250. Per Mod 22, SLIN 300051 is deobligated by \$45,000 to a value of \$68,250. Per Mod 39, SLIN 300051 is deobligated by \$9,310.30 to a value of \$58,939.70. (Fund Type - TBD)			
300052	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs \$67,200 (Fund Type - TBD)			
300053	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 1. ODCs \$320,000 (Fund Type - TBD)			
3100	R425	provide ODCs in support of services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. (Fund Type - TBD)	1.0	LO	\$2,266,168.00
310001	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. ODCs \$1,100,000. (Fund Type - TBD)			
310002	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. ODCs \$1,008. (Fund Type - TBD)			
310003	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. ODCs \$4,438. (Fund Type - TBD)			
310004	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. ODCs \$8,000. (Fund Type - TBD)			
310005	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. ODCs \$6,866. (Fund Type - TBD)			

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
310006	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. ODCs \$52,917. (Fund Type - TBD)			
310007	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. ODCs \$20,000. (Fund Type - TBD)			
310008	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. ODCs \$6,739. (Fund Type - TBD)			
310009	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. ODCs \$60,000. (Fund Type - TBD)			
310010	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. ODCs \$0.00. (Changed on MOD 29 to decrease from \$255,750 to \$0.00) (Fund Type - TBD)			
310011	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. ODCs \$755,261. Per Mod 23 SLIN 310011 is deobligated in it's entirety. (Fund Type - TBD)			
310012	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. ODCs \$8,000. (Fund Type - TBD)			
310013	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. ODCs \$197700. (Fund Type - TBD)			
310014	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. ODCs \$6000. (Fund Type - TBD)			
310015	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics			

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
		support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. ODCs \$100,000. (Fund Type - TBD)			
310016	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. ODCs \$65,000. (Fund Type - TBD)			
310017	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. ODCs \$35,000. (Fund Type - TBD)			
310018	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. ODCs \$49,000. (WCF)			
310019	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. ODCs \$40,000. (Fund Type - OTHER)			
310020	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. ODCs \$490,000. (WCF)			
310021	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. ODCs \$5,500. (WCF)			
310022	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. ODCs \$0.00. (Changed on MOD 29 to decrease from \$5,500 to \$0.00) (WCF)			
310023	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. ODCs \$2,000. (WCF)			
310024	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. ODCs \$3,000. (WCF)			

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
310025	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Basic year 2. ODCs \$5,000. (WCF)			

For Cost Type Items:

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
4000	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Award year 1. (Fund Type - TBD)	1.0	LO	██████████	██████████	\$0.00	\$7,297,153.26
400001	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$110,000. (PANMC)						
400002	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$901. (Fund Type - OTHER)						
400003	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department						

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
		Pyrotechnic Development Division. Award Term I year 3. Labor \$780. (Fund Type - OTHER)						
400004	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$435. (Fund Type - OTHER)						
400005	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$1,397. (Fund Type - TBD)						
400006	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$900,000. (PANMC)						
400007	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$46,077. De-obligation in the amount of \$880.32 on Mod 42. (PANMC)						
400008	R425	provide non-personal technical, engineering, management						

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
		services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$390,600. (PANMC)						
400009	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$120,109. (O&MN,N)						
400010	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$47,300. (PANMC)						
400011	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$61,000. (WCF)						
400012	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3.						

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
		Labor \$49,250. (WCF)						
400013	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$235,000. (Fund Type - OTHER)						
400014	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$60,000. (PANMC)						
400015	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$75,000. (PANMC)						
400016	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$500,000. (PANMC)						
400017	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and						



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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
		data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$599,999. (PANMC)						
400018	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$9,000. (PANMC)						
400019	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$81,000 (PANMC)						
400020	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$111,000 (FMS Case #AT-P-SAF)						
400021	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$100,000 (FMS Case #GY-P-LHD)						

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
400022	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$16,600 (RDT&E)						
400023	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$60,515 (FMS Case #CN-P-LHI)						
400024	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$20,000 (Fund Type - OTHER)						
400025	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$21,290 (WCF)						
400026	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support						

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
		services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$2,800 (WCF)						
400027	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$51,000 (WCF)						
400028	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$10,000 (WCF)						
400029	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$5,500 (WCF)						
400030	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$8,000 (WCF)						
400031	R425	provide non-personal technical, engineering, management						

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
		services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$20,000 (WCF)						
400032	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$8,000 (WCF)						
400033	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$17,000 (WCF)						
400034	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$89,130 (RDT&E)						
400035	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3.						

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
		Labor \$10,000 (FMS Case #AT-P-SAF)						
400036	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$11,355 (Fund Type - OTHER)						
400037	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$30,000 (WCF)						
400038	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$30,000. Note: MOD 43 de-obligated \$2,877.44 from \$30,000.00 to \$27,122.56. Note: MOD 44 de-obligated \$10.95 from \$27,122.56 to \$21,111.61. (WCF)						
400039	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$5,000 (WCF)						

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
400040	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$5,000 (WCF)						
400041	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$20,000. DEOB in the amount of \$247.51 via MOD 40 (WCF)						
400042	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$60,000 (WCF)						
400043	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$30,000 (FMS Case #GY-P-LHD)						
400044	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and						

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
		data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$20,000 (Fund Type - OTHER)						
400045	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$28,683 (Fund Type - OTHER)						
400046	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$60,000 (FMS Case #TW-P-8EG)						
400047	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$99,976 (Fund Type - OTHER)						
400048	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development						

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
		Division. Award Term I year 3. Labor \$184,317 (FMS Case #GY-P-LHD)						
400049	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$255,750 (RDT&E)						
400050	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$37,999.90 (RDT&E)						
400051	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$50,000 (WCF)						
400052	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$16,780.50 (WCF)						
400053	R425	provide non-personal technical, engineering, management services, scientific and technical support services,						



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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
		logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$32,104.00 (Fund Type - OTHER)						
400054	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$293,000.00 (WCF)						
400055	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$94,956.00 (WCF)						
400056	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$73,150.00 (Fund Type - OTHER)						
400057	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3.						

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
		Labor \$40,000.00 (Fund Type - OTHER)						
400058	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$20,736.00 (Fund Type - OTHER)						
400059	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$50,000.00 (PANMC)						
400060	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$10,000.00 (Fund Type - OTHER)						
400061	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$10,000.00 (Fund Type - OTHER)						
400062	R425	provide non-personal technical, engineering, management						

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
		<p>services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$55,000.00 (Fund Type - OTHER)</p>						
400063	R425	<p>provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$9,400.00 (Fund Type - OTHER)</p>						
400064	R425	<p>provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$25,000.00 (WCF)</p>						
400065	R425	<p>provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$25,000.00 (Fund Type - OTHER)</p>						
400066	R425	<p>provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance</p>						

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
		Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$50,000.00 (Fund Type - OTHER)						
400067	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$60,000.00 (RDT&E)						
400068	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$5,000.00. Per Mod 41, SLIN 400068 is deobligated by \$1,050.06 to a value of \$3,949.94. (Fund Type - OTHER)						
400069	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$342,200.00 (WCF)						
400070	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$25,000.00 (Fund Type -						

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
		OTHER)						
400071	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$59,000.00 (WCF)						
400072	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$199,000.00 (WCF)						
400073	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$10,000.00 (PANMC)						
400074	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$75,000.00 (PANMC)						
400075	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support						

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
		services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$20,000.00 (RDT&E)						
400076	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$432.86 (WCF)						
400077	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$55,000.00 (Fund Type - OTHER)						
400078	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$40,000.00 (PANMC)						
400079	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$45,000.00 (PANMC)						

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
400080	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$30,000.00 (RDT&E)						
400081	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$30,000.00 (RDT&E)						
400082	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$42,000.00 (NOTE: Mod 45 de-obligated \$1,237.99 for new available amount of \$40,762.01) (PANMC)						
400083	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$12,000.00 (WCF)						
400084	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and						

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
		data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$167,100.00 (PANMC)						
400085	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$71,394.00 (PANMC)						
400086	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$25,000.00 (Fund Type - OTHER)						
400087	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$2,500.00 (Fund Type - OTHER)						
400088	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$208,000.00 (WCF)						



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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
400089	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$55,300.00 (WCF)						
400090	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$38,500.00 (WCF)						
400091	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$14,100.00 (WCF)						
400092	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$8,000.00 (WCF)						
400093	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department						

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
		Pyrotechnic Development Division. Award Term I year 3. Labor \$65,000.00. Per Mod 41, SLIN 400093 is deobligated by \$3,440.19 to a value of \$61,559.81. (RDT&E)						
400094	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$20,736.00 (PANMC)						
4001	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Award year 1. (Fund Type - TBD)	1.0	LO			\$0.00	\$2,722,071.06
400101	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$148,000.00 (RDT&E)						
400102	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$20,000.00 (PANMC)						

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
400103	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$5,526.00 (Fund Type - OTHER)						
400104	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$2,500.00 (WCF)						
400105	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$72,000.00 (Fund Type - OTHER)						
400106	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$20,000.00 (Fund Type - OTHER)						
400107	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and						

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
		data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$10,000.00 (Fund Type - OTHER)						
400108	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$132,800.00 (WCF)						
400109	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$291,000.00 (Fund Type - OTHER)						
400110	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$87,400.00 (WCF)						
400111	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$30,400.00 (WCF)						

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
400112	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$88,000.00 (WCF)						
400113	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$82,500.00 (WCF)						
400114	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$30,100.00 (WCF)						
400115	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$8,746.00 (Fund Type - OTHER)						
400116	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance						

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
		Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$12,000.00. DEOB in the amount of \$303.68 via MOD 40 (Fund Type - OTHER)						
400117	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$45,000.00 (WCF)						
400118	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$185,000.00 (RDT&E)						
400119	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$595,500.00 (RDT&E)						
400120	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$400,000.00 (WCF)						

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Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
400121	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$182,000.00 (WCF)						
400122	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division. Award Term I year 3. Labor \$15,000.00 (RDT&E)						
4100	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Award year 2. (Fund Type - TBD)  Option	1.0	LO	\$0.00	\$0.00	\$0.00	\$0.00
4200	R425	provide non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407). Award year 3. (Fund Type - TBD)  Option	1.0	LO	\$0.00	\$0.00	\$0.00	\$0.00

For ODC Items:

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
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## **SECTION C DESCRIPTIONS AND SPECIFICATIONS**

### **SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT**

#### **PERFORMANCE BASED WORK STATEMENT**

**FOR**

**PROFESIONAL ENGINEERING,**

**TECHNICAL AND MANAGEMENT SUPPORT SERVICES**

**N00024-07-R-3428**

**TYPE V**

**CRANE DIVISION**

**NAVAL SURFACE WARARE CENTER**

**CRANE IN 47522**

**PREPARED BY: CODE 407**

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1.10.1.2 Compressed Work Schedule

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1.13.11 Field

1.13.12 Integrated Logistics Support (ILS)

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1.13.15 Project/Program

1.13.16 Prototypes

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1.13.18 Specification

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1.13.20 Technical Data Package (TDP)

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1.16 GOVERNMENT VEHICLES

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2.1 SPECIFICATIONS

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2.3 OTHER PUBLICATIONS AND REGULATIONS

2.4 INSTRUCTIONS AND DIRECTIVES

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3.1.2 Quality Assurance Analyses

3.1.3 Systems Integration

3.1.4 Acquisition Engineering

3.1.5 Maintenance Engineering

3.1.6 Reverse Engineering

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3.1.8 Safety Engineering

3.1.9 Human Engineering

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3.1.13 Meeting Representation

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3.1.19 Design and Development

3.2 SCIENTIFIC/ENGINEERING ANALYSIS AND STUDIES

3.2.1 Operations Research Support

3.2.2 Engineering Investigations

3.2.3 Manufacturing Engineering Analyses

3.2.4 Engineering Analyses

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3.2.6 Reliability

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3.2.8 Failure Modes and Effects Analysis

3.2.9 Maintenance Data Analysis

3.2.10 Failure and Field Performance Analysis

3.2.11 TEMPEST Analysis

3.2.12 Electromagnetic Analysis

3.2.13 Environmental Impact Statements

3.2.14 Production Engineering Analysis

3.3 TEST AND EVALUATION

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3.3.1 Test Plans and Procedures

3.3.2 Test Data Collection/Review/Analysis

3.3.3 Test Monitoring

3.3.4 Test Report Preparation

3.4 TECHNICAL DATA SUPPORT

3.4.1 Engineering Drawing Maintenance

3.4.2 Document Filming

3.4.3 Producibility Data Reviews

3.4.4 Data Package Preparation

3.4.5 Technical Manuals and Publications

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3.4.7 Associated Documentation

3.4.8 Inspection and Acceptance Criteria Development

3.4.9 Procurement Specification Review

3.4.10 Inspection of Engineering Drawings

3.4.11 Proposal Evaluation

3.4.12 Technical Repair Standards

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3.5 FIELD SERVICE ENGINEERING

3.5.1 On-Site Alterations of Deployed Equipment

3.5.2 Field Repair

3.5.3 Installation of New Equipment

3.6 INTEGRATED LOGISTICS SUPPORT (ILS)

3.6.1 Integrated Support Plans

3.6.2 Logistics Support for Acquisition Plans

3.6.3 Logistics Support Analysis (LSA) Preparation

3.6.4 Logistics Support Analysis & Review

3.6.5 Maintenance Planning

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3.6.6 Level of Repair Analysis (LORA) Assessment

3.6.7 Maintenance Data Collection

3.6.8 Maintenance Plan Technical Assessment

3.6.9 Depot Planning

3.6.10 Training

3.6.11 Support Equipment

3.6.12 Technical Documents

3.6.13 Packaging, Handling, Storage and Transportation

3.6.14 Manpower and Personnel

3.6.15 Facilities

3.6.16 Design Interface

3.6.17 Integrated Logistic Support Management

3.6.18 Logistic Review Group (LRG) Audit Support

3.7 CONFIGURATION MANAGEMENT (CM)

3.7.1 Configuration Management Planning

3.7.2 Configuration Identification

3.7.3 Configuration Control

3.7.4 Configuration Status Accounting

3.7.5 Configuration Audits

3.8 MANAGEMENT SUPPORT SERVICES

3.8.1 Organizational Studies and Recommendations

3.8.2 Acquisition Documentation/Procurement Data Package Preparation

3.8.3 Management Reports, Briefing Preparations, and Graphic Arts Support

3.8.4 Program Management Support

3.8.5 Program Plans/Documentation

3.8.6 Program Reports

3.8.7 Meeting Coordination

3.8.8 Document Review

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3.8.9 Computer Resources Support

3.8.10 Management Support

3.9 DATA MANAGEMENT SUPPORT

3.9.1 Management Information Systems

3.9.2 Data Entry

3.9.3 Document and Image Processing

3.9.4 Data Maintenance and Distribution

3.9.5 Data Destruction

4.0 DATA REQUIREMENTS FOR PERFORMANCE WORK STATEMENT

4.1 DATA ITEM A001 CONTRACTOR'S PROGRESS, STATUS AND MANAGEMENT REPORT

4.2 DATA ITEM A002 FINANCIAL EXPENDITURES REPORT/ACTIVE

4.3 DATA ITEM A003 AUTOMATED FINANCIAL TRACKING AND REPORTING SYSTEM

4.4 DATA ITEM A004 TECHNICAL REPORT-STUDY/SERVICE – TRIP REPORT

4.5 DATA ITEM A005 TECHNICAL REPORT-STUDY/SERVICE

4.6 DATA ITEM A006 PRESENTATION MATERIAL

4.7 DATA ITEM A007 CONFERENCE AGENDA

4.8 DATA ITEM A008 CONFERENCE MINUTES

4.9 DATA ITEM A009 DEVELOPMENTAL DESIGN DRAWINGS AND ASSOCIATED LISTS

4.10 DATA ITEM A010 OPERATING INSTRUCTIONS

4.11 DATA ITEM A011 COMPUTER PROGRAM END ITEM DOCUMENTATION

4.12 DATA ITEM A012 TRAINING MATERIALS/DOCUMENTATION

5.0 CONTRACTOR RESPONSE TIME

6.0 CONTRACTOR MANAGEMENT AND SUPERVISION

7.0 POINT OF CONTACT

8.0 PLACE OF PERFORMANCE

9.0 PERFORMANCE CRITERIA

10.0 PERIOD OF PERFORMANCE

**1.0 SCOPE.**



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This Performance Work Statement (PWS) sets the requirements for providing non-personal technical, engineering, management services, scientific and technical support services, logistics support services and data management support services to the Ordnance Engineering Department Pyrotechnic Development Division (Code 407).

1.1 BACKGROUND The Pyrotechnic Development Division conduct research and development for pyrotechnic and countermeasure devices. They not only design and develop new countermeasures, aerosol generators and conventional pyrotechnic devices; they also design improvements to existing countermeasure devices and systems to meet the ever changing needs of the Warfighter. The Division supports the self-protection of aircraft and aircraft survivability. Support includes but is not limited to aircraft mounted sensors or detectors, dispensers, Infrared Technology, lasers and electronic warfare applications research and development.

Tasks encompass integrated logistics support, engineering analysis services including data collection/reduction/analysis; systems safety; quality assurance; test and prototype samples; and component design, demonstration and analysis in order to provide report generation/correction, technical support, analysis, design, validation, and documentation, engineering and technical services for the pre-test and post-test calibration/retrofit of infrared seeker systems, development of instrument operation and analysis programs and generation of associated documentation, technical research, development, test & evaluation and prototyping/integration for the High Energy Lasers (HEL), engineering support for countermeasure/simulator design and/or redesign, and oversight/monitoring of explosive demilitarization technology development projects, providing recommendations for new munitions demilitarization research and development projects/improvements on existing demilitarization research and development projects, studies and analysis of demilitarization projects, preparation of reports, briefings, workbooks, charts and plans of action and milestones; and liaison with other government agencies and contractors on special projects, technical support services, scientific analysis and studies, test and evaluation, technical data support, field engineering, configuration management, assembling and analyzing the technical documentation packages for countermeasure systems, development of documents for integration of HEL, Counter MANPADS, and Infrared Countermeasures Stimulator systems into aircraft, vessels, vehicles or facility protection systems to yield a prototype Directed Energy / Countermeasures system suitable for testing / demonstration.

## 1.2 APPLICABLE PARAGRAPHS

3.1 Research and Development Support

3.2 Engineering, System Engineering and Process Engineering Support

3.3 Modeling, Simulation, Stimulation, and Analysis Support

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

3.5 System Design Documentation and Technical Data Support

3.6 Software Engineering, Development, Programming, and Network Support

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

3.8 Human Factors Engineering Support

3.9 System Safety Engineering Support

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3.10 Configuration Management (CM) Support

3.11 Quality Assurance (QA) Support

3.12 Information System (IS) Development, Information Assurance (IA), and  
Information Technology (IT) Support

3.14 Interoperability, Test and Evaluation, Trial Support

3.15 Measurement Facilities, Range, and Instrumentation Support

3.16 Acquisition 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

3.21 Administrative Support

1.3 QUALITY ASSURANCE. The Government will monitor the Contractor's contract work performance under this PWS by requiring progress reports conducting on-site inspections and inspecting contract deliverables for compliance to Task Order requirements.

1.4 CONTRACTOR AND GOVERNMENT MEETINGS. As determined by the Contracting Officer, the Contractor's representative(s) may be required to meet with the Contracting Officer and the Task Order Manager (TOM) on a periodic basis. The Government's written minutes of these meetings shall be signed by the Contractor's representative, Contracting Office and TOM. The Contractor shall state any areas of non-concurrence in writing to the Contracting Officer within ten working days after receipt of the signed minutes. Daily brief meetings between the TOM and the Contractor's representative such as the Program Manager will not require formal minutes unless a discussion ensues of importance.

1.5 ALTERNATE FACILITY PLAN. None required on this Task Order.

1.6 CONTRACTOR PERSONNEL REQUIREMENTS. Contractor personnel requirements as specified in this contract are delineated by labor classification and location. Personnel requirements at the various locations may fluctuate depending upon the requirements of the tasks assigned by Delivery Order.

1.6.1 Program Management. The Contractor shall provide plans for Program Management, Contract Management and Operational Management of all assigned tasks. In addition, the Contractor shall develop, implement and maintain a standardized method of tracking and reporting technical and financial information concerning the progress and status of each Delivery Order issued under this contract. As a minimum the following elements shall be addressed in the Contractor's reports:

- a. Description of the progress made against milestones on current Delivery Orders.
- b. Problem areas affecting technical or scheduling elements with background and any

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recommendation for solutions.

c. Results, positive or negative, obtained relating to previously identified problem areas with conclusions and recommendations for resolution and future avoidance.

d. Costs expended to date and projection to increase costs; cost overruns and/or decrease in projected costs

1.6.2 Other Personnel Requirements. The Contractor shall furnish all qualified personnel at the Contractor's liaison facility, at the Contractor's satellite office, at Government facilities, and at other locations to accomplish the work requirements specified in the SOW. Specific Contractor personnel requirements for each of the various locations may fluctuate depending upon the tasks assigned by individual Delivery Orders.

1.6.3 Control of Contractor Personnel. The Contractor shall comply with Crane Division security regulations NAVWPNSUPPCENINST 5510.24 and NAVWPNSUPPCENINST 5530.5. 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 and in accordance with the requirements of the Delivery Order. 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 Prior to the contract start date, the Contractor shall furnish the Contracting Officer with a list of Contractor employees who will be located at the liaison facility. The employee list shall contain full names, security clearance levels, social security numbers, and job titles. This list shall be updated within forty-eight hours after changes occur.

1.6.3.1 Identification Badges. Contractor identification badges shall be issued by the Government to Contractor personnel to be located at the liaison facility. The identification badge shall be visible at all times while employees are on Crane Division 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 the Contractor personnel are returned to the Crane Division Security Department within forth-eight hours following the completion of the contract, relocation or termination of an employee issued an identification badge, or upon request by the Contracting Officer.

1.6.3.2 Investigations. Contractor personnel located on Government facilities shall cooperate with Government investigative agencies conducting criminal or administrative investigations.

1.6.3.3 Government Observations. Government personnel, such as Inspector General or higher headquarters staff, are authorized to observe Contractor operations. However, these personnel may not interfere with Contractor performance.

1.6.3.4 Security. The Contractor shall educate and brief Contractor employees concerning the handling and production of classified material and documents, and other security measures as described in the SOW and in DoD 5220.22-M, OPNAVINST 5239.1, NAVWPNSUPPCENINST 5510.1 and NAVWPNSUPPCENINST 5530.1A.

1.6.3.5 Disclosure of Information. Contractor employees shall not discuss or disclose any

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information provided them in the work they process to parties other than the originator of the document, Contractor employees also assigned to perform work on the Delivery Order or authorized Government investigative personnel.

1.6.3.6 Security Clearances. The Contractor shall conform to the provisions of DoD 5220.22-M and shall provide for obtaining SECRET security clearances for Contractor employees requiring access to classified information and/or entry to controlled areas. Only those persons who have a “need-to-know” shall be given application for security clearances. Visit requests will be provided to Crane Division Security Department on all employees requiring access to classified information.

1.7. ON-SITE CONTRACTOR REQUIREMENTS. The Contractor shall abide by applicable Government regulations and instructions while on Government facilities. The following requirements shall be applicable to Contractor personnel performing work at Government facilities and at Contractor’s satellite facility(s).

1.7.1 CONTRACTOR SATELLITE FACILITY. The Contractor shall establish, staff and maintain a satellite facility(s) for the performance of the administrative portion of work requirements specified in this contract. The Contractor’s satellite facility(s) shall be located within proximity of the Crane Division sites, such that Government personnel at Crane Division sites and Contractor personnel at the Contractor’s satellite facility can commute to each other’s place of business and be able to conduct meaningful business during the core working hours of 0730 to 1600. (This requires that the Contractor’s main satellite facility which houses the key personnel and the majority of the support staff be physically located within a two hours drive of the Crane Division site. The Contractor shall maintain three separate satellite facilities as follows: (a) historically has been approximately 13,000 sq ft for performance of systems integration; (b) historically has been approximately 5,000 sq ft for performance of prototype/re-fabrication and/or repair, renovation and/or recondition; and (c) historically has been approximately 12,000 sq ft for Advanced Helicopter prototype design, test and validation. These can be co-located.)

1.7.1.1 Safety Requirements. The Contractor shall ensure that all work will be conducted in a safe manner and comply with Government requirements stated in 29 CFR Part 1910.1200, OPNAVINST 5102.1, NAVWPNSUPPCENINST 5100.22 and NAVWPNSUPPCENINST 11320.2. The Contractor shall provide their personnel with protective clothing and safety equipment, if needed. If the Contractor fails to promptly comply with safety requirements, the Contracting Officer may issue an order stopping all or part of the work until satisfactory corrective action has been taken. The facility utilized by the Contractor will be subject to a yearly Navy Occupational Safety and Health (NAVOSH) compliance inspection as a part of the NAVOSH program. The inspection shall be limited to facility deficiencies and shall not include Contractor operating deficiencies.

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

1.7.1.3 Record of Accident/Incidents. The appointed safety and health manager for the Contractor shall maintain an accurate record of accident/incidents and shall immediately report to the TOM, any bodily injury, death, damage to Government property resulting from the activities of the contractor, his agents and/or employees IAW NAVSURFWARCENDIVCRANE INSTRUCTION 11240.1 or most recent instruction and NAVFAC P300. Appropriate forms shall be prepared for each reportable accident IAW NAVSURFWARCENDIVCRANE INSTRUCTION 11240.1 or most recent instruction and NAVFAC P300 and applicable supplements.

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1.7.1.4 Accident Reporting. The Contractor shall maintain an accurate record of and shall report all accidents to the Security Division of the base the accident occurred on and the TOM or Contracting Officer as prescribed by OPNAVINST 5102.1.

1.7.1.5 Damage Reporting. The Contractor shall maintain an accurate record of and shall report to the TOM all damages to Government Furnished Equipment and Facilities as prescribed by OPNAVINST 5102.1 and NAVWPNSUPCENINST 4730.4.

1.7.1.6 Smoking Regulations. Smoking on CODE 407, Crane Division, NSWC premises shall be in approved areas only in accordance with NAVFAC P-1021 and NSWC Crane Division policy. Smoking in vehicles is prohibited.

1.7.1.7 Conservation of Utilities. The Contractor shall instruct employees in utilities conservation practices. The Contractor shall be responsible for operating, while on the facility, to the requirements set forth in NAVSPNSUPPCENINST 11300.1.

1.7.1.7.1 Lights. Lighting shall be used only in areas where and when work is actually being performed.

1.7.1.7.2 Controls. Mechanical equipment controls for heating, ventilation, and air conditioning systems shall not be adjusted by Contractor employees in any Government facility.

1.7.1.7.3 Water. Water faucets, spigots or valves shall be turned off after the required usage has been accomplished.

1.8 PHYSICAL SECURITY. The Contractor shall be responsible for safeguarding all Government property provided for contractor use in accordance with DOD 5220.22M, NAVWPNSUPCENINST 5510.24 AND NAVWPNSUPPCENINST 5530.5 At the close of each work day, Government facilities, equipment and materials shall be secured.

1.9 AUTOMATIC DATA PROCESSING (ADP) MEDIA SECURITY LABELS. All ADP media shall be affixed with the following applicable Standard Form (SF) labels pertaining to national security information: TOP SECRET Label (SF 706), SECRET Label (SF 707), CONFIDENTIAL Label (SF 708), CLASSIFIED Label (SF 709), UNCLASSIFIED Label (SF 710), or DATA DESCRIPTOR Label (SF 711). These non-removable security classification and control labels shall be affixed in a manner that will not adversely affect the operation of the medium or the equipment on which they are used. They shall be placed on the upper left corner of floppy disks or on cases of compact disks so they are conspicuous when inserted into sleeves and disk boxes.

The labels shall also be utilized to mark containers used for storage of all kinds of ADP media, including hard disks that contain information.

1.10 HOURS OF OPERATION. The following hours of operation shall apply to the Contractor's on-site personnel and the Contractor's Satellite facility(s) personnel.

1.10.1 Work Hours. The Contractor's hours of operation will be provided on each individual Task Order Modification (or if not so stated then the hours will be 0730 to 1600, local time, Monday through Friday). The Contractor may be required to respond to an emergency requirement and work outside of regular working hours to perform the work required by the TO/TO Mod/TI.

1.10.1.1 Flexitime. The Contractor shall be permitted to utilize a Flexitime schedule for their employees working on Crane Division, CODE 407 efforts. A Flexitime schedule allows a starting

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time between the hours of 0630 and 0900, with a quitting time eight and one-half hours after the clock-in time (1500 to 1730) (see specification on each TO/TO Mod/TI). The contractor may be required to respond to an emergency requirement and work outside of regular working hours to perform the work. Exceptions to the Flexitime schedule may exist and the contractor will be notified by the TOM of any permanent or temporary exceptions.

1.10.1.2 Compressed Work Schedule. The contractor shall be permitted to utilize a compressed work schedule for their employees working on NSWC Crane, CODE 407 efforts. A compressed work schedule allows a starting time between the hours of 0630 and 0800 for eight of the ten workdays (nine hours per day), and between 0630 and 0900 for one of the ten workdays (eight-hour day), with a stopping time between the hours of 1500 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 TOM of any permanent or temporary exceptions.

1.10.2 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, Code 407 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.

1.10.2.1 Inclement Weather/Dangerous Conditions. When NSWC, Crane Division is closed by the Commander because of inclement weather conditions and/or dangerous conditions (NAVWPNSUPCENINST 11210.1), notification of the closing will be broadcast over local radio and television stations.

1.10.2.2 Holidays. A list of Crane Division observed holidays and/or closed days in conjunction with the holidays will be published at the beginning of each calendar year. Contractor employees will not be allowed to work on Crane Division, Crane IN on a holiday and/or closed day. Contractor management has the option of making a decision to allow its employees to work at the off-site satellite facility(s), if appropriate.

1.11 TRAVEL REQUIREMENTS. The Contractor may be required to travel throughout the continental United States (CONUS) and to locations outside of CONUS. The TOM will approve all travel requests for contractor's travel.

1.11.1 Travel Authorization. Any travel undertaken by the Contractor for performance of TO/TO Mod/TIs must have prior authorization by the TOM or Contracting Officer (as stated in each Task Order Modification or Technical Direction Letter).

1.11.2 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 TOM for appropriate action.

1.11.3 Boarding Authorization. The TOM shall provide boarding authorization to Contractor

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personnel required to perform work on any United States Navy vessel or aircraft, from the Commanding Officer prior to entering the ship or aircraft.

1.12 SOFTWARE COMPATIBILITY. Data processing equipment, operating system software and applications software packages used in the performance of this contract or produced as a result of this contract shall be compatible with the applications software used at NSWC, Crane Division, Crane IN. As such the software shall be operable utilizing the Windows 2000 operating system (or latest NMCI Gold Disk) and compatible with those application software packages included on the Navy Marine Corps Internet (NMCI) Contract "Gold Disc" as applicable, unless otherwise specified in the TO/TO Mod/TI. Such equipment and software shall be compatible with the Intel-based personnel computer (PC) systems architecture unless contract requirements dictate otherwise. Compatibility with the latest version of the following application software packages is required:

- a. Adobe Acrobat Reader
- b. Microsoft Word 2003
- c. Microsoft Excel 2003
- d. Microsoft PowerPoint 2003
- e. Microsoft Access 2003
- f. Microsoft Outlook 2003
- g. Microsoft Project 2003
- h. Microsoft SQL Server 7
- i. Microsoft SQL Server 2007
- j. Oracle 8I Database
- k. MySQL 4
- l. Visual Studio 6
- m. Internet Explorer 6
- n. WinZip 8

The extent of compatibility with Government; compatibility requirements will be specified in each TO/TO Mod/TI Mod. Compatibility with the following listing of Government owned Computer Aided Design (CAD) equipment and software is required:

- a. AutoCAD
- b. Solid Edge
- c. Pro E
- d. OrCAD

1.13 DEFINITIONS. The following definitions apply for the types of support required by this PWS.

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1.13.1 Availability. A measure of system readiness defined as the ratio of system uptime to system uptime plus downtime:

$$A = \frac{\text{UPTIME}}{\text{UPTIME} + \text{DOWNTIME}}$$

1.13.2 Built In Test/Build In Test Equipment (BIT/BITE). Test capability or equipment built into a system or built as an integral part of the system to perform organizational level diagnostics.

1.13.3 Compatible. The interchangeability of data files, i.e., the Government will be able to ‘read’ (on Government equipment) the Contractor’s data files.

1.13.4 Configuration. The functional and physical characteristics of material as described in technical documents and achieved in a product.

1.13.5 Configuration Audit. The Government-conducted verification of an item soft compliance with the contract requirements and for consistency with the item’s current configuration identification. Also the Government’s check of the effectiveness of the configuration control and status accounting functions.

1.13.6 Configuration Management. The engineering management procedures that include the following elements:

- a. Configuration identification
- b. Configuration control
- c. Configuration status accounting
- d. Configuration audits
- e. Technical Reviews

1.13.7 Configuration Status Accounting. The reporting and recording of the information that is needed to manage configuration effectively, including a listing of the approved configuration identification, the status of proposed changes to configuration and the implementation status of approved changes.

1.13.8 Task Order Manager (TOM). An individual appointed in the contract who functions as the technical representative of the Procuring Contracting Office (PCO) in the administration of a specific contract. TOM duties may include assuring quality; providing technical direction with respect to the specification or PWS; monitoring the progress, effectiveness and quality of Contractor performance; or assisting the PCO, the Contract Administration Office (CAO) or the Ordering Officer in areas where technical expertise is required. The TOM’s specific duties will be identified in the contract administration plans.

1.13.9 Drawing. An engineering document that discloses by means of pictorial or textual presentations, or combinations of both, the physical and functional end product requirements of an item or process.

1.13.10 Engineering Change Proposal (ECP). A proposed engineering change that affects the current configuration identification or contract specifications.



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1.13.11 Field. A term used to indicate deployed equipment/systems regardless of physical location, i.e., A Field Change Notice.

1.13.12 Integrated Logistics Support (ILS). A disciplined, unified and iterative approach to the management and technical activities necessary to integrate support considerations into system and equipment design; develop support requirements that are related consistently to readiness objectives, design and each other; acquire the required support; and provide the required support during the operating and support phase at minimum costs.

1.13.13 On-Site. A physical location typically on Government property, but which can also be a commercial facility where Government operations are being performed.

1.13.14 Ordnance. Explosive devices and/or the supporting equipment, system, facilities, or vehicles required to test; produce; deliver; launch; transport; guide; maintain and/or detonate said devices, including pyrotechnic devices.

1.13.15 Project/Program. Terms used synonymously at NSWC, Crane Division to denote a specific organizational structure established to accomplish an assigned task within constraints resulting from manpower resources, funding, schedule, supportability and that is directly responsible to a System Command or Program Director for its performance.

1.13.16 Prototypes. The first of a class or a series. Any System, fixture or equipment or group of equipment(s) required for Proof-of-Concept or Validation/Verification. This definition is not limited to one (1) item but is of sufficient quantity to prove the Contractor's engineering design concepts and confirm product/process specifications.

1.13.17 Provisioning. The process of determining the range (which items) and depth (quantity of each) of material required to support and maintain an end item for an initial period of service.

1.13.18 Specification. A document intended primarily for use in the acquisition process which clearly and accurately describes the functional and/or physical requirements for items, materials and/or services including the procedures by which it will be determined that the contract requirements have been met.

1.13.19 Performance Based Work Statement (PWS). A document by which all non-specification requirements for contractor efforts must be established and defined either directly or with the use of specific cited documents.

1.13.20 Technical Data Package. A technical description of an item adequate for supporting an acquisition strategy production, engineering and logistic support. The description defines the required design configuration and procedures required to ensure adequacy of item performance. It consists of all applicable technical data such as drawings and associated lists, specifications, standards, performance requirements, quality assurance provisions, and packaging details.

1.13.21 Mean Time Between Failure (MTBF). The total number of equipment operating hours divided by the number of failures. It is the executed average time between failures of a repairable system.

1.14 ACRONYMS. The following is a list of acronyms used in this PWS.

ADP	Automated Data Processing
AEL	Allowance Equipment List

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AFP	Approval for Full Production
AH	Armed Helicopter
AIS	Automated Information Systems
ALP	Approval for Limited Production
ANSI	American National Standards Institute
APL	Allowance Parts List
BIT/BITE	Built In Test/Built In Test Equipment
CAD	Computer Aided Design
CALS	Computer Aided Acquisition and Logistics Support
CAM	Computer Aided Manufacturing
CAO	Contract Administration Officer
CDRL	Contract Data Requirements List
CDROM	Compact Disk Read Only Memory
CFR	Code of Federal Regulations
CONUS	Continental United States
CI	Configuration Item
CM	Configuration Management
CDR	Critical Design Review
CRALTS	Common Rack and Launcher Test Set
DCN	Design Change Notice
DoD	Department of Defense
ECP	Engineering Change Proposal
EDMICS	Engineering Data Management Information & Control System
EMC	Electromagnetic Compatibility
EMI	Electromagnetic Interference
EMP	Electromagnetic Pulse
FATP	Factory Acceptance Test Procedure
FMECA	Failure Modes and Effects Criticality Analysis
FCA	Functional Configuration Audit
FQR	Formal Qualification Review
GFE	Government Furnished Equipment
GFI	Government Furnished Information
GFM	Government Furnished Material
GFP	Government Furnished Property
HDBK	Handbook
IAW	In Accordance With
ILS	Integrated Logistics Support
ILSMT	Integrated Logistics Support Management Team
ILSP	Integrated Logistics Support Plan
ISIL	Integrated Support Items List
IUADP	Interface Unit, Automatic Data Processing
LAN	Local Area Network
LCM	Life Cycle Management
LLTIL	Long Lead time Items Lists
LORA	Level of Repair Analysis
LRG	Logistic Review Group
LRU	Line Replaceable Unit
LTS	Launcher Test Stand
LSA	Logistic Support Analysis
LSAR	Logistic Support Analysis Record

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MOD	Modification
MTBF	Mean Time Between Failure
NAVFAC	Naval Facility
NAVICP	Naval Inventory Control Point
NAVOSH	Navy Occupational Safety and Health
NAVSEA	Naval Sea Systems Command
NAVSURWARCEN	Naval Surface Warfare Center
NAVWPNSUPCEN	Naval Weapons Support Center
NMCI	Navy Marine Corps Internet
NOR	Notice of Revision
NSWC	Naval Surface Warfare Center
OA	Operational Availability
ODC	Other Direct Cost
OLSS	Operational Logistics Support Summaries
OPEVAL	Operational Evaluation
OPNAV	Office of the Chief of Naval Operations
OSHA	Occupational Safety and Health Administration
PBL-O	Performance Based Logistics - Organic
PWS	Performance Based Work Statement
PCA	Physical Configuration Audit
PCO	Procuring Contracting Officer
PDR	Preliminary Design Review
POP	Period of Performance
PPL	Provisioning Parts List
PRR	Production Requirements Review
PTD	Provisioning Technical Data
RDT&E	Research, Development, Test and Evaluation
RIL	Repairable Items Lists
RSS&I	Receipt, Segregate, Store and Issue Support
SCI	Secret Compartmentalized Information
SDR	Systems Design Review
SM&R	Source, Maintenance, and Recoverability
SMSTS	Stores Management Subsystem Test Set
SRR	System Requirements Review
SQL	Structured Query Language
TECHEVAL	Technical Evaluation
TEMP	Test and Evaluation Master Plan
TD	Technical Directive
TI	Technical Instruction
TOM	Task Order Manager
TRR	Test Readiness Review
TS	Top Secret
WBS	Work Breakdown Structure

1.15 GOVERNMENT FURNISHED PROPERTY (GFP). The Contractor will be provided Government property necessary to perform tasks stated in Section 3.0 of this PWS. This shall include, but not be limited to, personal computers/printers with PWS-applicable software, facsimile machines, xerographic equipment, desks and telephones with long distance/voice mail capability for official Government business, as required. All GFP provided to the Contractor shall be accompanied by a TOM-approved Government issued property pass prior to taking off Center.

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**1.16 GOVERNMENT VEHICLES.** Since only Government vehicles are authorized in restricted areas on base and on Government test ranges, occasionally the Contractor may be required to drive Government owned vehicles both on-site at NSWC, Crane Division and off-site at various Government Test Ranges in performance of their duties. Also, the Contractor may be required to use Government owned material handling equipment to load and unload these vehicles. The following instructions apply. If required by the TO and approved on a case-by-case basis, the contractor may be allowed or approved to use a Government Vehicle to transport documentation, media, etc. in accordance with the parameters of the contractor position. Government provided vehicles shall be used solely for the purposes as described in this statement of work (PWS). All drivers must present proof of valid operator drivers license prior to operating a Government Vehicle. The following instructions apply. The Contractor shall operate motor vehicles in accordance with NSWCCRANEINST 11240.1 or most recent instruction and NAVFAC P300. All contractor personnel operating Government vehicles, to include materials handling equipment, shall be licensed in IAW provisions set forth in NSWCCRANEINST 11240.1 or most recent instruction, except a valid state drivers license shall be accepted as proper authority for operation of commercial/administrative (non-tactical) vehicles up to an including 10,000 pounds gross vehicle weight upon completion of training courses as called out in NSWCCRANEINST 11240.1 or most current instruction. The contractor shall ensure contractor personnel have in their possession a valid US Government Motor Vehicle Operator's Identification Card (SF 46) or valid state driver's license, as applicable, when operating vehicles and equipment. Employees possessing a valid Government license need not be re-licensed. The contractor shall report any accidents involving motor vehicles or any other equipment IAW NSWCCRANE INST 11240.1 or most recent instruction and NAVFAC P300.

## **2.0 APPLICABLE DOCUMENTS.**

The following documents of the revision or issue in effect at the date of Task Order or as otherwise specified by the Task Order form a part of this PWS to the extent described herein. In the event of conflict between the documents referenced herein and the contents of this PWS, the contents of this PWS shall prevail.

The Contractor shall recognize DoD's intent to utilize industry and/or commercial standards where possible. During the period of performance of this contract the DoD documents noted may be replaced by industry standards. Subsequently, the Contractor shall recommend for government approval, utilization of those industry/commercial standards where possible during the remaining performance of this contract. It is noted that since this contract is in direct support of a wide variety of weapon systems, subsystem, equipment and components, DoD standards may apply even if superseded and/or replaced by industry/commercial standards.

SQAP-402 Supplemental Quality Assurance Provisions

MIL-STD-831 Test Reports, Preparation of

NWSCCINST 4355.34B Control of Technical Documents, Control Systems

NWSCCINST 5510.24 Information and Personal Security Manual Physical Security

ANSI Z39 18-87 Scientific and Technical Reporting

DoD 8510.1-M Department of Defense Information Technology Security Certification and Accreditation process

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DoD-I-4145.26 DOD Contractor's Safety Requirements for Ammunition and Explosives

DoD 4145.26M DOD Contractor's Safety Manual for Ammunition and Explosives

NOSSAINST 8020.14C Shore Station Explosive Safety Inspection Program

NAVSEA 8020.9B Ammunition and Explosives Personnel Qualification and Certification Program

NSWCCRANEINST 8020.1E Explosive Handling Certification program

NSWCCRANE 5090.6B Hazardous Materials Control and Management Program

NWCCRANEINST 8020.8B Hazard Analysis for Hazardous Operations

NSWCCRANE 8020.16 Materials, Processes, and Equipment Review Committee

29 CFR 1910 Standard for General Industry

### **3.0 TASK REQUIREMENTS.**

The Contractor shall provide all labor, material and administrative costs to support and perform the following tasks. The Contractor shall recognize DOD's intent to utilize industry and/or commercial standards where possible. The Contractor shall utilize Government furnished information (GFI) to review, update, and track technical project reports, verify classification markings, format accuracy, and provide document control.

3.1 **ENGINEERING AND TECHNICAL SUPPORT SERVICES.** As specified by TO/TO mod/TI, the Contractor shall provide engineering and technical support for the design, development, integration, test, evaluation, and engineering related logistics for the procurement, production, maintenance, disposal (life-cycle management) and related services for NSWC Crane Code 407 related systems, subsystems, equipment and components. These tasks include, but are not limited to: Tasking may include development of hardware designs and software modules that mitigate the technical risks in the system integration of HEL, Counter MANPADS, and Infrared Countermeasures Stimulator systems into aircraft, vessels, vehicles or facility protection systems within the framework of a Naval environment. Tasking may include implementation of the interface (including any required software) between aircraft, vessels, vehicles or facility protection systems and a prototype HEL, Counter MANPADS, or Infrared Countermeasures Stimulator system. Tasking will include support to the HEL, Counter MANPADS, and Infrared Countermeasures Stimulator systems proof of concept demonstration including analysis of the results of the demonstration and management support services for the various Branches within the Division.

3.1.1 **Quality Assurance Support.** The Contractor shall provide the Quality Assurance services for systems, subsystems, equipment and components, these services may apply to any or all of the life cycle phases of the product. This requires the following: conceptual design phase, demonstration and validation phase, full scale engineering phase, production/deployment and operational support (new build as well as repair and refurbishment) phase, logistic support and disposal phase. Services provided by the Contractor shall be in response to a quality assurance package of requirements identified by the individual TO/TO Mod/TI. The requirements associated with a given TO/TO Mod/TI may relate to the product, process, procedures, personnel, plant and/or plans identified with a specific body of work. The requirements package will be derived from a list of requirements defined in the individual TO/TO Mod/TIs.

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3.1.2 Quality Assurance Analyses. The Contractor shall perform quality assurance analyses and prepare quality assurance planning documentation on systems, subsystems, equipment and components as specified by TO/TO Mod/TI and provide reports with recommendations and supporting data to the Government. These tasks require the assimilation of quality assurance data, preparation of quality assurance plans, evaluation of quality assurance data supplied by the Government, and other related tasks in accordance MIL-Q-9858 and MIL-I-45208 and as required by TO/TO Mod/TI. The Contractor shall also attend quality assurance program reviews on specified systems, subsystems, equipment and components; record and report any discrepancies/ problems, and formulate recommendations, along with their respective justifications, to resolve these discrepancies/problems.

3.1.3 Systems Integrations. As required by TO/TO Mod/TI, the Contractor shall identify and document data to ensure system, subsystem, 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 in accordance with Government furnished information. The Contractor shall record all recommendations made to the Government and annotate with rationale and justification all assumptions used to arrive at the recommendations.

3.1.4 Acquisition Engineering. As required by TO/TO Mod/TI, the Contractor shall review and prepare technical specifications in support of procurements in accordance with Government furnished information. 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 prepare independent cost estimates with detailed supporting schedules in accordance with MIL-HDBK-259 and perform, as specified by TO/TO Mod/TI, production cost estimate analyses and provide the Government with justification for any recommendations made.

3.1.5 Maintenance Engineering. As specified by TO/TO Mod/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 in accordance with applicable documents identified in individual TO/TO Mod/TIs and provide to the Government all justification for any assumptions used.

3.1.6 Reverse Engineering. As specified by TO/TO Mod/TI, the Contractor shall perform reverse engineering on NSWC Crane Countermeasures and related systems, subsystems, equipment and components and deliver to the Government a design disclosure technical data package meeting the requirements of MIL-T-31000, DOD-STD-2101, ANSI Y14.5M, and DOD-STD-100. 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)

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will be provided by TO/TO Mod/TI. As required by the TO/TO Mod/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 TO/TO Mod/TI.

3.1.7 Manufacturing Engineering and Technology Support. As required by TO/TO Mod/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.

3.1.8 Safety Engineering. As specified by TO/TO Mod/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. As specified by TO/TO Mod/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 ECPs, and other safety and hazard engineering documents. Evaluation shall be for compliance with MIL-STD-882 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.

3.1.9 Human Engineering. As required by the TO/TO Mod/TI, the Contractor shall evaluate and annotate Government furnished human engineering program plans, analysis reports, test plans/procedures, and other human engineering related documentation. Evaluation shall be for compliance with MIL-H-46855. The Contractor shall check engineering drawings for design compliance with MIL-STD-1472, 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.

3.1.10 Demilitarization Engineering. As specified by TO/TO Mod/TI, the Contractor shall

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prepare/review explosive item demilitarization plans and procedures for compliance with NAVSEAINST 4570.1 and prepare recommendations for Design Agents to incorporate safe reliable means to prepare explosive components for disposal.

3.1.11 Engineering Change Kits. As specified by TO/TO Mod/TI, the Contractor shall develop, assemble using GFM, deliver and install Engineering Change Kits in accordance with MIL-F-17655 and MIL-D-81992. Contractor may, for example, be tasked to install kits system-wide, or on selected CODE 407 System, or in accordance with a Notice of Revision (NOR) or other change directive, including rework or other needed modifications. Source material, special equipment, and tools may be provided to the Contractor as GFI and GFM.

Note: Where MIL-F-17655 used "field change" and "field change bulletin" tailor to read "engineering change" and "engineering change order" respectively.

3.1.12 Engineering Change Proposal (ECP) Preparation. The Contractor shall prepare, review, analyze, and assess Engineering Change Proposals from documentation provided as GFI and make recommendations for Engineering Change Orders and Technical Directives with supporting rationale. As specified by TO/TO Mod/TI, the Contractor shall develop, prepare, validate, and deliver ECPs in accordance with MIL-STD-481 and DOD-STD-480 and shall also develop, prepare, validate, and deliver engineering change Technical Directives (TDs) per MIL-D-81992.

3.1.13 Meeting Representation. As specified by TO/TO Mod/TI, the Contractor shall provide qualified personnel to attend design reviews, technical problem meetings, user conferences, and program status reviews. 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. Action items or short term specific assignments resulting from these meetings requiring performance by the Contractor will be amended to the TO/TO Mod/TI or tasked by a separate TO/TO Mod/TI.

3.1.14 Design Engineering. On NSWC Crane Code 407 and related systems, subsystems, equipment and components as specified by TO/TO Mod/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, and components. Prototypes are component, fixture or equipment or group of equipments. 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.

3.1.15 Design Review. The Contractor shall review and evaluate NSWC Crane Code 407 and related system, subsystem, equipment and component designs provided as Government furnished information 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. The Contractor shall attend design review meetings as required by the individual TO/TO Mod/TIs. The Contractor shall provide a written evaluation of design or design changes as specified by TO/TO Mod/TI, along with the rationale after completing the analysis.

3.1.16 Production Engineering Support and Evaluation. The Contractor shall ensure that sufficient



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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 in accordance with specifications delineated in the TO/TO Mod/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 incident to development and initial production for new systems, subsystems, equipment and components and major modification or improvement programs for existing systems, subsystems, equipment and components.

3.1.17 Manufacturing Engineering. The Contractor shall review and analyze manufacturing technologies and/or processes both in 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 TO/TO Mod/TI.

3.1.18 In-Service Engineering. As required by TO/TO Mod/TI, the Contractor shall review and prepare plans and reports in support of in-service engineering efforts. The Contractor shall review or prepare reports and test plans and performs analyses to determine causes of defects and malfunctions. The Contractor shall review or prepare corrective action plans to return the Code 407 System or components to service. Plans will include schedules, cost estimates and analysis of impact.

3.1.19 Design and Development. As required by TO/TO Mod/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 Level II or Level III drawings and specifications, unless otherwise requested in the TO/TO Mod/TI. Presentation will be in electronic format accessible to Government personnel as requested in the TO/TO Mod/TI.

3.2 SCIENTIFIC/ENGINEERING ANALYSES AND STUDIES. As specified by TO/TO Mod/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. The Contractor shall submit findings to the Government to also include any assumptions made or rationale used in arriving at conclusions.

3.2.1 Operations Research Support. As required by TO/TO Mod/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 TO/TO Mod/TI and in accordance with Government furnished information.

3.2.2 Engineering Investigations. As specified by TO/TO Mod/TI, the Contractor shall perform on-site engineering investigations to evaluate item reliability, maintainability, availability, logistics support, and configuration status in accordance with applicable drawing specifications and appropriate status in accordance with applicable drawing specifications and appropriate Integrated

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Logistics Support Plan (ILSP) and Configuration Management (CM) plans. The Contractor shall report the results of such investigations along with recommendations and the basis for those recommendations as specified in the TO/TO Mod/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 TO/TO Mod/TI.

3.2.3 Manufacturing Engineering Analyses. As specified by TO/TO Mod/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.

3.2.4 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 TO/TO Mod/TI. Such analyses require: finite element modeling and analysis for vibrations, shock and thermal impacts; and mechanical modeling and simulation.

3.2.5 Field Data Analysis. As specified by TO/TO Mod/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 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 maintenance reporting systems that are currently operational within the Government at the date of TO/TO Mod/TI. If such systems do not meet TO/TO Mod/TI requirements, the Contractor shall recommend changes or improvements to these systems for Government consideration.

3.2.6 Reliability. As described in the TO/TO Mod/TI, the Contractor shall perform reliability predictions per Task 203 of MIL-STD-785, MIL-HDBK-217, and MIL-STD-781 and submit properly completed 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 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 although to a tailored Task 203, as specified by the TO/TO Mod/TI.

3.2.7 Maintainability. The Contractor shall perform maintainability analyses and prepare maintainability planning documentation in accordance with MIL-STD-470, MIL-HDBK-472, and MIL-STD-471 on systems, subsystems, equipment or components as specified by TO/TO Mod/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

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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 TO/TO Mod/TI, record and report any discrepancies/problems, formulate recommendations to resolve these discrepancies/problems and submit these recommendations with supporting rationale to the Government.

3.2.8 Failure Modes and Effects Analysis. As specified by the TO/TO Mod/TI, the Contractor shall perform an independent Failure Mode, Effects, and Criticality Analysis (FMECA) on system, subsystem, equipment or component design in accordance with MIL-STD-1629, 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.

3.2.9 Maintenance Data Analysis. As specified by the TO/TO Mod/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 in accordance with individual TO/TO Mod/TI specifications and requirements and involves Mean Time Between Failure (MTBF), replaceable item failure rates, and operational availability.

3.2.10 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 in accordance with requirements stated in the TO/TO Mod/TI and involves system performance data, maintenance data, mishap reports, and false rejection data. The Contractor shall perform Technical Feedback Reports in accordance with NAVSEAINST 4790.3, as specified by the TO/TO Mod/TI.

3.2.11 TEMPEST Analysis. 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 TO/TO Mod/TI.

3.2.12 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 in accordance with MIL-HDBK-235-1, MIL-HDBK-237, MIL-STD-461, MIL-STD-462, MIL-STD-463, MIL-STD-469 and as specified by TO/TO Mod/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.

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- 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

3.2.13 Environmental Impact Statements. For systems, subsystems, equipment, components and facilities specified by TO/TO Mod/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.

3.2.14 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 Government and the private sector and make recommendations. The Contractor shall provide a report in accordance with the requirements that includes justification for all recommendations.

3.3 TEST AND EVALUATION. The Contractor shall test and evaluate systems, subsystems, equipment and components as specified by TO/TO Mod/TI both locally and at other test sites and locations. As specified by TO/TO Mod/TI, the Contractor may be required to provide test sites and equipment along with testing services including, but not limited to, ranges and equipment for testing a variety of electronics/avionics and ordnance equipment. 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 TO/TO Mod/TIs. As specified by the TO/TO Mod/TI, the Contractor shall submit evaluations along with the rationale for these evaluations to the Government.

3.3.1 Test Plans and Procedures. As specified by TO/TO Mod/TI, the Contractor shall develop system, subsystem, equipment and component test plans from program requirements and information provided by the Government. Such test plans may require:

Test and Evaluation Master Plans (TEMP) DOD-D-500.3

TECHnical EVALuation (TECHEVAL) plans NAVSEAINST 3960.2

Operational EVALuation (OPEVAL) plans NAVMATINST 3960.7

System Qualification and First Article

Qualification Test Plans As Specified by TO/TO Mod/TI

Production Acceptance Test and

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Evaluation Plans (PAT&E) As Specified by TO/TO Mod/TI

Quality Evaluation Test Plans As Specified by TO/TO Mod/TI

The Contractor shall evaluate and annotate test plans originated by other agencies/contractors provided as Government furnished information. 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, in accordance with detailed requirements specified by TO/TO Mod/TI. The Contractor shall submit an evaluation report 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, explosive component procedures, mechanical and hydraulic procedures, and thermal procedures.

3.3.2 Test Data Collection/Review/Analysis. As specified by TO/TO Mod/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, environmental stress screening, and factory / 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 TO/TO Mod/TI resulting from the test data reviews and deliver those recommendations along with justification for those recommendations to the Government.

3.3.3 Test Monitoring. As specified by TO/TO Mod/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 in accordance with approved test plans and resolved in accordance with specified requirements. The Contractor is authorized to make recommendations only; acceptance and signing of acceptance documents are limited to the Government.

3.3.4 Test Report Preparation. As specified by TO/TO Mod/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.

3.4 TECHNICAL DATA SUPPORT. The Contractor shall develop engineering technical data packages, review such packages (furnished as GFI) for technical accuracy, prepare subsequent changes

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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 TO/TO Mod/TI.

3.4.1 Engineering Drawing Maintenance. The Contractor shall prepare or modify engineering drawings and associated lists to meet the requirements of DOD-STD-100, DOD-STD-2101, MIL-T-31000 and ANSI Y14.5M for systems, subsystems, equipment, components and facilities as specified by TO/TO Mod/TI. The Government will provide as GFI change descriptions and drawing originals and sketches of draft versions of the drawings. TO/TO Mod/TIs will specify the required format of the drawings: CAD-2, AutoCAD, ComputerVision, Computer-Aided Acquisition and Logistics Support (CALs) and Engineering Data Management Information and Control System (EDMICS) compatibility. Prior to delivering completed drawing packages, the Contractor shall inspect each new or modified drawing to ensure compliance with DOD-STD-100. Existing drawings which satisfy the contractually specified MIL-T-31000 type, but which are not in compliance with DOD-STD-100 drawing practices, shall not be redrawn solely to meet the requirements of DOD-STD-100 unless otherwise specified to do so by the TO/TO Mod/TI.

3.4.2 Document Filming, Duplication and Media Transfer. As required by TO/TO Mod/TI, the Contractor shall film drawing, duplicate aperture cards and perform other tasks as requested for media transfer and duplication of technical drawings, specifications, and other documentation. Electronic storage and media transfer will generally be required.

3.4.3 Producibility Data Reviews. The Contractor shall review and annotate technical data packages for associated product reproducibility in accordance with DOD-D-4245.7. The Contractor shall examine the data packages for compliance with part specifications, dimensioning and tolerances, manufacturing processes, quality assurance procedures (including tests and inspections), proprietary parts or processes, and drawing practices as specified by TO/TO Mod/TI.

3.4.4 Data Package Preparation. The Contractor shall prepare a data package to meet the requirements of MIL-T-31000, production drawings, utilizing Government furnished draft versions of existing drawings or MIL-T-31000, developmental design drawings to be upgraded. The Contractor shall review Government furnished developmental design drawings and verify completeness, identify missing or incomplete data, and bring drawing standards into compliance with DOD-STD-100, DOD-STD-2101, and ANSI Y14.5M. The Contractor shall recommend specifications, performance thresholds, suitable military specification (MIL-SPEC) components in the Navy supply system, methods of testing, cleaning, inspection and packaging to facilitate completion of the product drawings technical data package to meet all specifications of the TO/TO Mod/TI and provide the Government with their rationale for making such recommendations. If deemed necessary by the Government, the associated equipment will be supplied to the Contractor to enable him to complete the task to requirements specified in the TO/TO Mod/TI. Before acceptance by the Government, the technical data package shall meet the criteria developed as defined in paragraph 3.4.8 of this TO/TO Mod/TI.

3.4.5 Technical Manuals and Publications. The Contractor shall prepare or modify technical manuals for systems, subsystems, equipment or components to conform with the requirements of DOD-D-4151.9 or as otherwise specified in TO/TO Mod/TIs. The Contractor shall prepare and deliver technical manuals to the Government in camera-ready, digital format, CD, electronic or other format as specified in the TO/TO Mod/TI.

3.4.6 Specifications. As specified by the TO/TO Mod/TI, the Contractor shall prepare specifications

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for systems, subsystems, equipment and components in accordance with the requirements of MIL-S-83490, DOD-STD-2101, MIL-STD-490 and other specified requirements.

3.4.7 Associated Documentation. The Contractor shall prepare, utilizing Government furnished information, 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 TO/TO Mod/TI.

3.4.8 Inspection and Acceptance Criteria Development. The Contractor shall, as specified by TO/TO Mod/TI, prepare and deliver a plan with inspection procedures and acceptance criteria for technical data package inspections to meet the applicable provisions of MIL-T-31000 and MIL-STD-490, and provide the Government with supporting rationale for each inspection and acceptance element.

3.4.9 Procurement Specification Review. The Contractor shall review top-level specifications prepared for system, subsystem, equipment and component procurements to ensure compliance with MIL-S-83490, DOD-STD-2101, MIL-STD-490, and any other requirements as specified by TO/TO Mod/TI. The Contractor shall study and analyze the Government's operational requirements for such a system, subsystem, equipment or component and compare those requirements with requirements documented in the specifications delineated above and in the TO/TO Mod/TI in accordance with appropriate security clearance. Any differences (omissions or inclusions) shall be submitted as a report to the Government. Assumptions and/or rationale supporting this report shall be included.

3.4.10 Inspection of Engineering Drawings. As specified by TO/TO Mod/TI, the Contractor shall review engineering data packages describing configuration items acquired by the Government. The Contractor shall provide the requisite engineering (both design and production), logistics support analysis, and drafting expertise to review these data packages in order to determine their acceptability to the Government. This determination of acceptability by the Contractor shall assess the accuracy and adequacy of the data package, its compliance with specified requirements, its suitability for the purpose of the classification specified by the Government, and that it meets the requirements of the specified classification of MIL-T-31000, DOD-STD-2101, DOD-STD-100, and ANSI Y14.5M. The Contractor, as specified by the TO/TO Mod/TI, shall take into consideration the equipment life cycle cost, mission, contract requirements, and other data provided as GFI in conducting the review. The Contractor shall identify and document any aspects of the data package not meeting Government requirements and shall document the rationale for all determinations made on the issues listed above or as otherwise listed by the TO/TO Mod/TI.

3.4.11 Proposal Evaluation. The Contractor shall review the technical sections of proposals submitted to the Government in accordance with requirements set forth in individual TO/TO Mod/TIs and provide recommendations and the justification for those recommendations to the Government.

The contractor shall provide signed Non-disclosure Statements to the KO for employees that work on proposal evaluations.

3.4.12 Technical Repair Standards. The Contractor shall prepare, analyze, assess, and document technical repair standards for systems, subsystems, equipment and components as delineated in

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individual TO/TO Mod/TIs. The Contractor shall provide these technical repair standards in accordance with MIL-STD-2111, MIL-STD-1604, or as otherwise specified in TO/TO Mod/TIs. The Contractor shall provide justification and assumptions made for any recommendations submitted to the Government for analyses and assessments of technical repair standards undertaken by the Contractor.

3.4.13 Document Review. The Contractor shall review and analyze the Contract Data Requirements List (CDRL) items delivered by Government Contractors. The Contractor shall provide analyses and written recommendations, with supporting evidence for these recommendations, regarding Government acceptance of these deliverables, taking into consideration requirements provided as Government furnished information. The Contractor may be required to accomplish this review and evaluation at the vendor's facility and prepare all documentation in accordance with specifications set forth in individual TO/TO Mod/TIs.

3.5 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 in accordance with applicable operational specifications as specified in the TO/TO Mod/TI.

3.5.1 On-Site Alterations of Deployed Equipment. As specified in the TO/TO Mod/TI, the Contractor shall perform site inspections and annotate technical 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 in accordance with their designed specifications and operational requirements and provide the Government with their recommendations and basis for such recommendations for any possible improvements and corrections.

3.5.2 Field Repair. As specified by TO/TO Mod/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 effect repairs, and perform the repair operation. After each such action, and as specified by the TO/TO Mod/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.).

3.5.3 Installation of New Equipment. The Contractor shall develop and maintain a plan to perform shipboard and land based checks in accordance with installation drawings and specifications in preparation for installation of new equipment as specified by TO/TO Mod/TI. 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 INTEGRATED LOGISTICS SUPPORT (ILS). ILS management and technical services shall be performed by the Contractor for the system, subsystems, equipment and components specified by TO/TO Mod/TI for each of the logistic elements as defined in DOD-D-5000.39. The Contractor



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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 in accordance with current directives. The analysis shall include all areas of ILS needed for adequate assessment of Navy ILS planning, implementation, contractual obligations, and performance. ILS planning shall be in accordance with applicable Life Cycle Phase and Milestone Review requirements delineated in DOD-D-5000.39 and subordinate instructions and directives such as: OPNAVINST 5000.49 and NAVAIR Logistic System Process Specification AL-082AA-LPS-080.

3.6.1 Integrated Support Plans. As specified by the TO/TO Mod/TI, the Contractor shall generate, implement, review, and maintain Integrated Logistics Support Plans (ILSP). ILS planning shall be in accordance with DOD-D-5000.39 and subordinate instructions and directives, NAVSEAINST 5000.39, OPNAVINST 5000.49, and NAVAIRINST 4000.20 and NAVAIRINST 4000.14 (if a NAVAIR-sponsored TO/TO Mod/TI). As specified by the TO/TO Mod/TI, the Contractor shall generate, implement, review, and maintain Operational Logistics Support Summaries (OLSS) in accordance with NAVAIRINST 4000.14. All efforts shall address the standard elements of ILS. Logistics planning elements may be broken out and assigned as separate tasks by TO/TO Mod/TI.

3.6.2 Logistic Support for Acquisition Plans. The Contractor shall review and document Weapons System Acquisition Plans for complete ILS requirements by Life-Cycle Phase, and consolidate and incorporate these identified requirements into an ILS Detail Specification 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 in accordance with OPNAVINST 5000.49. 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.

3.6.3 Logistic Support Analysis (LSA) Preparation. As specified by TO/TO Mod/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 LSA process shall conform to the requirements of MIL-STD-1388-1. LSA 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. LSA 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 LSA 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 LSA documentation updates to assure proper coordination among other system engineering programs, the LSA program, and the development of ILS documents using LSA data. The logistic support analysis record (LSAR) is a subset of LSA documentation and LSAR data elements shall conform to the requirements of MIL-STD-1388-2.

3.6.4 Logistic Support Analysis & Review. The Contractor shall perform assessments of the conduct and content of the Logistics Support Analysis program with associated data and products for systems,

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subsystems, equipment and components specified by TO/TO Mod/TI. These assessments shall ensure conformance to MIL-STD-1388-1 and MIL-STD-1388-2 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 LSA/Design Engineer Interface.

In addition, the Contractor shall assess the utilization of the LSA 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.

**3.6.5 Maintenance Planning.** Using Government furnished information, the Contractor shall perform engineering analyses or technical assessments of maintenance concepts and plans in accordance with MIL-STD-1388-1. 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 Government furnished information, the Contractor shall, as specified by TO/TO Mod/TI, prepare maintenance plans for specified systems, and perform Logistics Support Analyses (LSA) in accordance with MIL-STD-1388-1, Failure Modes Effects and Criticality Analysis in accordance with MIL-STD-1629, and Level of Repair Analyses (LORA) in accordance with MIL-STD-1390.

**3.6.6 Level of Repair Analysis (LORA) Assessment.** The Contractor shall perform technical assessments of the Level of repair Analysis for systems, subsystems, equipment and components listed in the individual TO/TO Mod/TI to ensure their conformance with the requirements of MIL-STD-1390 or as required by TO/TO Mod/TI. The method or model used for the LORA shall be specified by TO/TO Mod/TI. Proper extraction and use of LSA 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.

**3.6.7 Maintenance Data Collection.** For systems, subsystems, equipment and components specified by TO/TO Mod/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, but not be limited to, Mean Time Between Failure (MTBF), validation plan for MTBF calculations, replaceable item failure rates, and operational availability (OA) in accordance with OPNAVINST 3000.12.

**3.6.8 Maintenance Plan Technical Assessment.** The Contractor shall conduct engineering and technical assessments of maintenance plans for systems, subsystems, equipment and components in accordance with the concepts and procedures required by TO/TO Mod/TI. Analyses require complete 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 in accordance with OPNAVINST 5090.1.

**3.6.9 Depot Planning.** The Contractor shall prepare plans for the development and formal certification of maintenance depots and designated overhaul points in accordance with DOD-STD-1768 or as specified by TO/TO Mod/TI. These plans shall support Interim Depot, Depot and Performance Based Logistics (PBL) support concepts. Each plan shall define how certification will be performed, the participants and their responsibilities, schedule milestones, and shall contain

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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 TO/TO Mod/TI and the governing specifications in DOD-STD-1768. As required by TO/TO Mod/TI, the Contractor shall record results of depot and DOD certification audits and prepare reports for the Government.

3.6.10 Training. As specified by TO/TO Mod/TI, the Contractor shall develop training plans according to OPNAVINST 1500.8. All findings and recommendations shall be documented with supporting information. The Contractor shall develop training materials and curricula as specified in the TO/TO Mod/TI, and provide instructors for these courses. Training materials may include aids for training such as models, tutorials, displays, brochures, films and books.

3.6.11 Support Equipment. The Contractor shall review, analyze, and produce requirements and associated lists for test and support equipment in accordance with MIL-STD-1388-2 and as required by TO/TO Mod/TI. The reviews and analyses shall include reviews of the Logistic Support Analysis Records 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.

3.6.12 Technical Documentation. As specified by TO/TO Mod/TI, the Contractor shall develop and review technical manuals, operations and maintenance procedures, and associated elements in accordance with MIL-STD-1388-2 and Government furnished information for compatibility with LSA data. In support of the AIS Program, the Contractor shall prepare the LCM documentation (i.e., Project Management, plans, specifications, functional descriptions, implementation plans, test analysis reports, etc.).

3.6.13 Packaging, Handling, Storage, and Transportation. The Contractor shall perform reviews, analyses, evaluations, planning and movement for packaging, handling, storage, and transportation considerations of on Center ordnance items/systems in accordance with MIL-STD-129P, Government furnished information, and in accordance with instructions and directives referenced in the TO, TO Mod and/or TI. Such analyses, reviews, planning and transportation shall consider, but not be limited to, adequacy of levels of protection, preservation, container design, functionality, re-usability, and marking for on Center ordnance items/systems. 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. The Contractor shall also perform reviews, analyses, evaluations, planning and movement for packaging, handling, storage, and transportation considerations of ordnance related systems at off-site locations. Examples include but are not limited to preparing instrumentation trailers, test vans, and test equipment for transport to and from test sites. The Contractor shall perform unpacking and preliminary test of equipment at destination sites.

3.6.14 Manpower and Personnel. As specified by TO/TO Mod/TI, the Contractor shall develop, maintain, and implement manpower and personnel requirements resulting from Logistic Support Analyses in accordance with Government furnished information. The Contractor shall identify the necessary quantity and skill levels for personnel requirements compatible with the complexity of operational and maintenance tasks specified by TO/TO Mod/TI.

3.6.15 Facilities. As specified by TO/TO Mod/TI and Logistic Support Analyses, the Contractor shall

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identify facility requirements necessary for system, subsystem, equipment or component operation and maintenance in accordance with NAVFACINST 11010.44, OPNAVINST 11010.20 and Government furnished information. 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.

3.6.16 Design Interface. The Contractor shall conduct technical assessments of the LSA process for systems, subsystems, equipment and components specified by TO/TO Mod/TI to ensure completeness, accuracy, and conformance to MIL-STD-1388-1 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.

3.6.17 Integrated Logistic Support Management Team (ILSMT) Support. The Contractor shall provide management and technical services for ILSMT support as specified by TO/TO Mod/TI. This effort will consist of announcing and coordinating ILSMT 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.

3.6.18 Logistic Review Group (LRG ) Audit Support. The Contractor shall assemble and/or review an LRG audit documentation package in accordance with the requirements of DOD-D-5000.39, and related subordinate instruction NAVMATINST 4105.3 or as specified by TO/TO Mod/TI for established Defense Systems Acquisition Review Councils (DSARC) Milestone LRG Audits or Program Reviews. The Contractor shall perform, prepare, and/or review LRG audit action item tracking through closeout, and required Approval for Limited Production (ALP), or Approval for Full Production (AFP) ILS documentation, in accordance with NAVMATINST 4720.1. 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.

3.7 CONFIGURATION MANAGEMENT (CM). The Contractor shall develop specific elements of configuration management as specified by TO/TO Mod/TI. All detailed requirements and CM tasks shall be performed in compliance with the requirements of NAVSEAINST 4130.12 or as specified by the TO/TO Mod/TI.

3.7.1 Configuration Management Planning. As specified in TO/TO Mod/TIs, the Contractor shall review and/or develop configuration management plans in accordance with NAVSEAINST 4130.12, MIL-STD-1456, MIL-STD-483 or other specified requirements. Plans shall be reviewed for editorial and technical compliance with the governing specification. The Contractor shall make recommendations with supporting rationale for change from source material and specific program requirements furnished by the Government as GFI.

3.7.2 Configuration Identification. The Contractor shall annotate proposed agendas for CM technical reviews, attend technical reviews and document proceedings, and evaluate the responsiveness of the reviewed activity to requirements with supporting rationale as specified by the

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TO/TO Mod/TI. Such reviews include the Systems Requirements Review (SRR), System Design Review (SDR), Production Requirements Review (PRR), Preliminary Design Review (PDR), Critical Design Review (CDR), Test Readiness Review (TRR), and the Formal Qualification Review (FQR), as defined by MIL-STD-1521.

3.7.3 Configuration Control. As required by the TO/TO Mod/TI, and as configuration and design changes occur, the Contractor shall review and analyze requests for deviations and waivers to determine the effects on production, configuration identification, operation, and logistics. The Contractor shall also determine whether requests for minor deviations or waivers and Class II Engineering Changes are correctly categorized as defined in DOD-STD-480 or MIL-STD-481. The Contractor shall submit reports to the Government on all such reviews, documenting the results with any change recommendations and supporting rationale. The Contractor shall prepare Engineering Change Proposals, Engineering Change Orders, and Specification Change Notices and other documents in accordance with DOD-STD-480 or MIL-STD-481 as specified by TO/TO Mod/TI. The Contractor's configuration management personnel shall attend configuration management audits to ensure that configuration management plans are acceptable and are in effect. The Contractor shall submit findings with supporting rationale. The Contractor shall prepare technical inputs for Configuration Control Board directive.

3.7.4 Configuration Status Accounting. As required by the TO/TO Mod/TI, the Contractor shall provide Configuration Status Accounting at Crane Division sites, in accordance with MIL-STD-482 and using configuration status accounting data systems which requires: mail and document input via filming/ scanning and other means, mail distribution, document indexing, retrieval and distribution, production, maintenance and distribution of aperture cards and hard copy prints for technical data packages, and operation/ maintenance of ammunition lot data card base. Production, maintenance and distribution of electronic record technical data packages on tape, CDROM or other yet-to-be-developed media shall not be precluded. As required by TO/TO Mod/TI, the Contractor shall provide the labor necessary to operate a data repository containing engineering data. These data consist of items such as engineering drawings, manuals, and other technical documents for which hard copy masters are to be retained. The Contractor shall receive documents, maintain an automated logging system, copy each document on microfilm or other media as specified in the TO/TO Mod/TI for protection (see 3.9.3 herein) on a sequential number system, remove and release documents as requested, maintain a record of master and copy holders, provide reproduction and distribution, and perform other librarian type tasks as required by TO/TO Mod/TI. Distribution tasks require packaging, labeling, and mailing or otherwise shipping single or multiple documents to single or multiple locations within or outside the Government. The Contractor will be provided written operating instructions modifiable only by contract change.

As required by the TO/TO Mod/TI, the Contractor shall maintain a working library of documents and publications and instructions applicable to NSWC Crane CODE 407 documentation preparation. The Contractor shall film full E-size drawings and produce aperture cards from these drawings, and use aperture cards to produce prints.

3.7.5 Configuration Audits. As required by TO/TO Mod/TI, the Contractor shall provide support to Government configuration audit teams, by verifying and documenting that hardware and computer programs, Configuration Items (CIs), and their configuration identification are accurate, complete (according to specified requirements), adequate to establish the product baseline, and compatible with the next higher level design documentation in accordance with MIL-STD-1521. For the Functional Configuration Audit (FCA), the Contractor shall review the configuration item's technical documentation and submit an analysis of comparison with its functional characteristics. Similarly, the

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Contractor shall provide technical evaluation in conducting a Physical Configuration Audit (PCA) to ensure that the CIs physical configuration is in agreement with its documentation description. As specified in the individual TO/TO Mod/TI, the Contractor shall evaluate compliance of the technical documentation with DOD-STD-480, DOD-STD-100, MIL-T-31000, MIL-S-83490, ANSI Y14.5M, DOD-STD-2101, MIL-STD-490, and MIL-STD-481. The Contractor, as a participant with the Government on the audit team, shall determine the correlation of the "as built" configuration with the release "as designed" configuration. Discrepancies and recommended corrective actions shall be documented according to procedures established by the audit team and submitted to the Government with the Contractor's justification for recommendations and evaluation.

3.8 MANAGEMENT SUPPORT SERVICES. The Contractor shall provide technical and management non-personal support services in accordance with requirements set forth in individual TO/TO Mod/TIs.

3.8.1 Organizational Studies and Recommendations. The Contractor, as required by TO/TO Mod/TI, shall investigate existing organizations, alternative organizations, marketing and communication strategies, and mission requirements and provide an analysis of the organization with respect to accomplishing its mission requirements more effectively. Factors considered shall include, but will not be limited to, customer interfaces, hiring constraints, personnel classifications, responsiveness, effectiveness, efficient use of resources, and program commonality. The Contractor shall provide a report documenting alternatives and recommendations with accompanying rationale. The resulting studies and analyses shall demonstrate increased quality performance, productivity, and cost effectiveness.

3.8.2 Acquisition Documentation/Procurement Data Package Preparation. As defined by the TO/TO Mod/TI, the Contractor shall prepare acquisition documentation and/or technical data packages for major systems, subsystems, equipment or components acquisition and for other than major systems, subsystems, equipment or components acquisition which shall contain such items as technical data requirements, specifications, and management plans (e.g., Configuration Management Plans, Quality Assurance Plans, Statement of work, Program Management Plans), and/or other requirements such as the preparation of DD Form 1423, in accordance with DOD-D-5000.1, SECNAVINST 5000.1 or as specified by the TO/TO Mod/TI.

3.8.3 Management Reports, Briefing Preparations, and Graphic Arts Support. The Contractor shall develop and prepare program reports; briefings, briefing materials, presentation packages; marketing brochures, photographs; and test/demonstration/feasibility portfolios including draft and final versions in accordance with ANSI Z39.18, GFI, and as specified by TO/TO Mod/TI. The Contractor may be required to attend and monitor test operations at both on and off site locations in order to gather, compile, develop and edit of raw video tape/photographs and summarize documentation depicting the wide range of project/sponsor capabilities into hard copy, electronic and/or multimedia format. The Contractor shall be required to integrate text and graphics in these materials and submit the final version in the format specified by the TO/TO Mod/TI.

3.8.4 Program Management Support. The Contractor shall provide program management support in the mission of developing and maintaining NSWC Crane CODE 407 and related systems, subsystems, equipment and components as specified by TO/TO Mod/TI. This support shall include, but not be limited to, tasks in planning, organizing, technical analysis and recommendations, and reporting. These tasks involve:

- a. Tentative Operational Requirements Papers

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- 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
- j. Mission Needs Statements
- k. Requirements Definitions
- l. Systems Integration Concepts
- m. Interoperability/Resolution Issues

3.8.5 Program Plans/Documentation. As specified by TO/TO Mod/TI, the Contractor shall develop, analyze, make recommendations, provide rationale for the recommendations, and provide technical and administrative support in preparing assigned CODE 407 data calls; workload plans; program plans and/or project associated documentation. These plans will normally be requested on a project basis, with the type of plan differing according to the project. A partial listing of the types of plans and associated instructions required is provided below, and TO/TO Mod/TI will specify any additional requirements. NOTE: Latest revision of instructions listed below shall be utilized and will be identified on each order.

- a. Contract Data Requirements List NAVSEAINST 4000.6
- b. Configuration Management Plans MIL-STD-973
- c. Integrated Logistics Support Plans DOD-D-5000.39  
NAVSEAINST 5000.39  
NAVAIRINST 4000.14
- d. Quality Assurance Plans MIL-Q-9858
- e. Statements of Work MIL-HDBK-245
- f. Work Breakdown Structures (WBS) MIL-STD-881
- g. Program Planning Networks SSPI 7720.4
- h. Depot Support Plans NAVAIRINST 4000.14
- i. Specifications MIL-STD-961

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j. Policies, Processes and Procedures Specified by TO/TO Mod/TI

3.8.6 Program Reports. As required by the Government in the TO/TO Mod/TI, the Contractor shall prepare program status reports. The Contractor will be provided the source of information and any particular reporting format specified. These reports shall be in narrative form with graphics as appropriate to better define the information. They shall include basic Center management and program historical information, current status, and expected schedule of future events. In addition to program type reports, the Contractor shall format and publish documents such as test reports, configuration identification manuals, test procedures, workload planning and execution, B&PR, etc., as specified by TO/TO Mod/TI. The Contractor will be provided the source material as GFI.

3.8.7 Meeting Coordination. Using Government furnished information, the Contractor shall provide meeting coordination support as specified by TO/TO Mod/TI. This effort consists of planning meetings, coordinating schedules with participants, reserving existing meeting space, prepare agenda and/or briefing materials, ensuring that briefing materials and equipment are available, recording and publishing meeting minutes, and developing and maintaining an action item tracking system for specified projects.

3.8.8 Document Review. As specified in TO/TO Mod/TIs, the Contractor shall review and evaluate of program management data delivered by Government contractors. The Contractor shall provide analyses and written recommendations, with supporting evidence, regarding Government acceptance, taking into consideration mission and specified requirements.

3.8.9 Computer Resources Support. As specified by the TO/TO Mod/TI, and in accordance with Government furnished standards and information, the Contractor shall ascertain, model and document software requirements specifications; review, analyze, design, develop, test, maintain and document computer software, perform configuration control and maintain a software library for computer software configuration items; develop training materials; train users and system administrators; install software; and provide on-site and Help Desk support for all computer software equipment and components. The Contractor shall review and assess software changes for impact on logistics support and review life-cycle management plans that address the scope and purpose of computer resources support for impact upon interchangeability, producibility, and standardization.

3.8.10 Management Support. As required by TO/TO Mod/TI, the Contractor shall provide support to review, develop, analyze, make recommendations, provide rationale for the recommendations, and provide CODE 407 management support. This support shall include, but not be limited to, tasks in preparing strategic plans; technology transfer; quality assurance; financial budgeting and accounting; workload planning and analysis; capital investment planning and budgeting; financial and workload data analysis; and capital asset utilization.

3.9 DATA MANAGEMENT SUPPORT. The Contractor shall provide Information Technology related services in accordance with requirements set forth in TO/TO Mod/TIs issued under this statement of work. These tasks encompass all aspects of the life cycle of hardware, software and systems.

3.9.1 Management Information Systems. The Contractor shall, as specified by TO/TO Mod/TI, investigate specific management information systems and make recommendations as to their effectiveness, appropriateness, and value in accordance with ANSI Z39.18. The contractor shall perform the following: Analysis, Review, Design, Development, Testing, Documentation, Implementation and User Training. In cases where no system exists, the requirements will be investigated and recommendations with alternate solutions presented. The Contractor shall design



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and develop the selected system using best value solutions including Commercial or Government Off-the-Shelf Software and Hardware as appropriate. The Contractor shall perform application and system testing and assist in the Government acceptance testing as required. The Contractor shall document the system as required in the TO/TO Mod/TI with system documentation, user documentation and instructions. The Contractor shall implement the tested system(s) at the prescribed sites, assure full and complete system operations and train users as required in the TO/TO Mod/TI.

3.9.2 Data Entry. As required by TO/TO Mod/TI, the Contractor shall develop a data management system and provide the labor to receive and record data on both management and engineering documents. The Contractor shall be responsible for the maintenance of the data management system. The Contractor shall receive and record the documents from the Government, record and input the management data, verify the data inputs, and return the documents for Government disposition. For existing systems, written operating instructions will be provided with the TO/TO Mod/TI. The Contractor shall organize and attend on-site working sessions to resolve problems in the areas of maintenance and operation of the data management system.

3.9.3 Document and Image Processing. As specified by TO/TO Mod/TI, the Contractor shall provide the labor to microfilm or otherwise scan into databases (CDROM, etc.) management and engineering documents furnished by the Government. An aperture system, maintained by the Government, will be provided for Contractor use. The Contractor shall provide the labor to produce microfilm cards according to MIL-M-9868 or as required by TO/TO Mod/TI. The Contractor shall provide the labor to produce aperture cards from existing card "masters" as required by the Government. The Contractor shall provide the labor to produce prints from aperture cards or from microfilm on Government furnished equipment. Where applicable, the Contractor will be provided with the TO/TO Mod/TI written operating instructions.

3.9.4 Data Maintenance and Distribution. As required by TO/TO Mod/TI, the contractor shall provide the labor necessary to operate a data repository containing engineering data. This data consists of items such as engineering drawings, manuals, and other technical documents for which hard copy or magnetic media masters to be retained. The Contractor shall receive documents, maintain an automated logging systems, copy each document on microfilm or other media as specified in the TO/TO Mod/TI for protection on a sequential number system, remove and release documents as requested, maintain a record of master and copy holders, provide reproduction and distribution, and perform other librarian type tasks as required by TO/TO Mod/TI. Distribution tasks require packaging, labeling, and mailing or otherwise shipping single or multiple documents to single or multiple locations within or outside the Government. Where applicable the Contractor will be provided with the TO/TO Mod/TI written operating instructions.

3.9.5 Data Destruction. As required by TO/TO Mod/TI, the Contractor shall maintain an awareness of the most current classification and data destruction requirements and provide support to destroy both classified and unclassified data at both Contractor and/or government facilities.

#### **4.0 DATA REQUIREMENTS FOR PERFORMANCE WORK STATEMENT.**

This section identifies the content, format, frequency and delivery points for all data to be delivered under the basic Task Order Performance Work Statement.

##### **4.1 DATA ITEM A001: CONTRACTOR'S PROGRESS, STATUS AND MANAGEMENT REPORT.**

Contract Reference: PWS Paragraph 1.5.1

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Discussion: The Contractor shall prepare and submit a summary and status report on a 6-month Semester Basis, which summarizes the events, progress and status for the subject award term evaluation. The Contractor shall ensure this report contains an updated employee list identifying full names, security clearance levels, social security numbers, job titles and telephone numbers.

a. Content and format of the report shall be in accordance with DI-MGMT-80227, with the exception of paragraphs 10.3.g and 10.3.h, which are deleted.

b. Distribution Statement F: Applies.

c. Destruction Notice: Applies.

d. The Contractor shall provide one (1) legible copy of contractor's progress, status and management report no later than 30 calendar days after the semester closes.

e. The Contractor shall deliver the data to the Task Order Manager (TOM), Naval Surface Warfare Center, Code 401, Crane IN 47522-5001.

#### 4.2 DATA ITEM A002: FINANCIAL EXPENDITURES REPORT/ACTIVE.

Contract Reference: Section G

Discussion: The Contractor shall provide the Government one (1) copy of the invoices and (1) copy of the financial report electronically via email and a reproduction copy of CD ROM ensuring each submission is concurrent with the Contractor's invoices, a financial expenditures report in accordance with the format delineated below or in Contractor's format acceptable to the Government.

a. Distribution Statement F: Applies

b. Destruction Notice: Applies

c. The Contractor shall provide the detailed cost authorization/expenditures for all active TO Mods/TIs under the subject TO. Once the Contractor has submitted a final invoice to the TO Mod/TI, the requirement for this report will be lifted for that specific TO Mod/TI. The reproducible shall be on CDROM in Microsoft Office software for use on IBM PC or fully compatible units. Electronic media shall be error free and checked for viruses. NOTE: The Government has the option to upgrade disk density and size and software and the Contractor shall ensure continued compatibility. The Contractor shall provide the data no later than 15 calendar days after the close of the bi-weekly billing period concurrent with the contractor's invoices.

d. Data shall be delivered to the TOM, Code 401, NSWC Crane Division, 300 Highway 361, Crane IN, 47522-5001, Telephone 812-854-1488.

e. The Contractor shall ensure the following details are included for each specific TO Mod/TI.

a. Contractor's full name

b. Basic Contract Number and TO Number

c. Modification Number/TI Number

d. Calendar dates of the report period

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e. TO Modification/TI Description

f. Authorized Period of Performance

g. Customer/Division

h. Contractor's Manager/Resource Leader

i. Column titled "Authorized" depicting all authorized labor categories and associated labor hours delineated in the TO, with totals; authorized ODC as delineated in the TO, with totals (hours and costs); total authorized material costs; total authorized subcontractor costs; total fee; and total authorized costs, including fee

j. Column titled "Cumulative to Date" depicting actual labor hours incurred to date, by authorized labor category, with totals (hours and costs); actual ODC incurred to date as delineated in the TO, with totals; actual material costs incurred to date, actual subcontractor costs incurred to date; actual fee costs incurred to date; total obligations incurred to date; total labor hours and cumulative costs incurred to date

k. Column titled "Current Period" depicting actual labor hours incurred during the two week period of the report (see item "d" above), by authorized labor category with totals (hours and costs); actual ODC incurred during the two week period of the report (see item "d" above) with totals; total of material costs incurred during the two week period of the report (see item "d" above); total of subcontractor costs incurred during the two week period of the report (see item "d" above); total labor hours and total costs incurred during the two week period of the report (see item "d" above).

l. Percent of authorized funding expended to date

m. Percent of authorized labor hours expended to date

n. Total authorized labor hours

o. Total balance of remaining labor hours

p. Unfunded costs

q. Cost funded

r. Cost and Fee Funded

s. Balance of Funded Dollars with Obligations

t. Page number(s), e.g., Page 5 of 40

u. Date printed

#### 4.3 .DATA ITEM A003 AUTOMATED FINANCIAL TRACKING AND REPORTING SYSTEM.

Discussion: The Contractor shall provide a web based financial reporting system in a Contractor's format that is acceptable to the Government. Reports shall be available for printing and downloading to Word or Excel files.

a. Distribution Statement F: Applies.

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b. Destruction Notice: Applies

c. The Contractor shall provide the Government with a web based financial reporting system in a Contractor's format that is acceptable to the Government. The database is to be maintained current to within 3 working days. The database shall be available to authorized personnel via the Internet and shall be free of viruses. Authorized personnel will be identified in individual Task Order Modifications/TIs. The database shall be established within 60 calendar days after the award of the TO.

#### 4.4 DATA ITEM A004 TECHNICAL REPORT-STUDY/SERVICE, TRIP REPORT

Discussion: As required by TI, the Contractor shall provide the Government one (1) copy of the trip report electronically via email within 10 days of completion of travel. Travel will be delineated by the Government as required and provided as GFI. Contractor's format shall be acceptable to the Government.

a. Content and format of the report shall be in accordance with DI-MISC-80508A.

#### 4.5 DATA ITEM A005 TECHNICAL REPORT-STUDY/SERVICE

Discussion: As required by TI.

a. Content and format of the report shall be in accordance with DI-MISC-80508A

#### 4.6 DATA ITEM A006 PRESENTATION MATERIAL

Discussion: As required by TI.

a. Content and format of the report shall be in accordance with DI-ADMN-81373

#### 4.7 DATA ITEM A007 CONFERENCE AGENDA

Discussion: As required by TI.

a. Content and format of the report shall be in accordance with DI-ADMN-81249A

#### 4.8 DATA ITEM A008 CONFERENCE MINUTES

Discussion: As required by TI.

a. Content and format of the report shall be in accordance with DI-ADMN-81250A

#### 4.9 DATA ITEM A009 DEVELOPMENTAL DESIGN DRAWINGS AND ASSOCIATED LISTS

Discussion: As required by TI.

a. Content and format of the report shall be in accordance with DI-SESS-81002B

#### 4.10 DATA ITEM A010 OPERATING INSTRUCTIONS

Discussion: As required by TI.

a. Content and format of the report shall be in accordance with DI-MISC-80392

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#### 4.11 DATA ITEM A011 COMPUTER PROGRAM END ITEM DOCUMENTATION

Discussion: As required by TI.

- a. Content and format of the report shall be in accordance with DI-IPSC-80590A

#### 4.12 DATA ITEM A012 TRAINING MATERIALS/DOCUMENTATION

Discussion: As Required by TI.

- a. Content and format of the material shall be in accordance with DI-MISC-80508A

### **5.0 CONTRACTOR RESPONSE TIME.**

The contractor shall respond to a Task Order point-of-contact (POC) request for support within one business hour of the request. A response consists of contacting the requester either in person or by telephone. Satisfactory resolution by the contractor is required within the timeframe specified by the Task Order POC. The contractor shall also recognize that circumstances requiring immediate response may occur. The TOM will notify the contractor as to these situations to enable them to expedite this work.

### **6.0 CONTRACTOR MANAGEMENT AND SUPERVISION.**

The contractor shall be responsible for providing managerial and supervisory personnel to support all current contractor employees assigned to tasking under this TO located at NSWC Crane, Code 407. Contractor supervision shall be cognizant of all TO requirements; respond to adjustments in priority, due dates or other factors; provide instruction to contractors and ensure that work progresses to meet deadline requirements identified by the customer; analyze problems in cooperation with NWSC Crane, Code 407, to determine cause and take appropriate action to correct any procedural error; recommend improvements to existing procedures and techniques. Contractor supervision shall ensure proper consideration is given to customer support and ensure Contractor personnel maintain acceptable standards of conduct on the job site to alleviate any detriment to meeting the requirements of the TO.

#### **6.1 Compliance with Laws and Regulations.**

The Contractor shall comply with, and shall ensure that its personnel and its subcontractors and subcontractor personnel at all tiers 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 fragmentary orders, instructions and directives.

Contractor employees performing in the USCENTCOM Area of Operations are under the jurisdiction of the Uniform Code of Military Justice (UCMJ). Under the UCMJ, U.S. commanders may discipline contractor employees for criminal offenses. Contractors shall advise the Contracting Officer if they suspect an employee has committed an offense. Contractors shall not knowingly facilitate the departure of an employee suspected of a serious 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

(End)

#### **6.2 Prohibition Against Human Trafficking, Inhumane Living Conditions, and Withholding of Employee Passports**

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All contractors ("contractors" herein below includes 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, when the person is or has been a victim of a severe form of trafficking in persons.

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 laws regarding transit/exit/entry procedures, and the requirements for work visas. Contractors shall follow all Host Country entry and exit requirements.

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.

The contractor agrees to incorporate the substance of this clause, including this paragraph, in all subcontracts under his contract.

(End)

**6.3 Reporting a Kidnapping (Dec 2007) To Report a Kidnapping** Contract manager will notify the JCCI/A Duty Officer at phone number 914-822-1419 when an employee kidnapping occurs:

**Report the following information:**

Name of person reporting: \_\_\_\_\_

Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

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- **Who** was kidnapped?
- Name
- Age
- Nationality and country of residence
- **When** did the incident occur?
- **Where** did it happen?
- **How** was the person kidnapped?

(End)

**6.4 Armed Personnel – Incident Reports (Jul 08):** All Contractors and subcontractors in the Multi-National Forces-Iraq (MNF-I)/Combined Joint Task Force (Afghanistan) theater of operations shall comply with and shall ensure that their personnel supporting MNF-I/CJTF forces are familiar with and comply with all applicable orders, directives, and instructions issued by the MNF-I/CJTF Commander relating to force protection and safety.

**For IRAQ: Contractors shall provide an initial report of all weapons firing incidents to the Reconstruction Operations Center (ROC) as soon as practical based upon the situation and shall submit a written report to a ROC within 48 hours.** The initial report will 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. A follow-up, comprehensive written report of events surrounding the firing of weapons will be provided to the ROC within 96 hours. Reports shall be submitted to the ROC, Operations Section (or as otherwise directed): [roc.ops@aegisiraq.com](mailto:roc.ops@aegisiraq.com), DSN 318-239-4301, VOIP 703-544-1370, MCI 914-822-5302, IRENA 07902-7762300, Thurman 8821621157354, and IMMersed 870764061257.

**For AFGHANISTAN:** Report all incidents and use of weapons through your military chain of command, who will notify the JOC Watch at Bagram AF. (JOC SHIFT DIRECTOR, DSN: 318-431-4116; SVOIP: 431-7108) Information should 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. The JOC Watch duty officer will issue guidance for further reporting requirements. Contractors will also provide first aid and request MEDEVAC of injured persons, and remain available for Coalition response forces based upon the situation. In the event contractor personnel are detained by US 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 Contractors name, the contract number, a POC in the Contractor management, and the phone number of the ROC/JOC Watch.

(End)

**6.5 Fitness for Duty and Limits on Medical / Dental Care in Iraq and Afghanistan (Jul 08):**

(1) 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. The contractor bears the responsibility for ensuring all employees are aware of the conditions and medical treatment available at the performance. The contractor shall include this information and requirement in all subcontracts with performance in the theater of operations.

(2) The contractor shall not deploy an individual with any of the following conditions unless approved by the appropriate CENTCOM Service Component (ie. ARCENT, CENTAF, 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

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medications that contraindicate or preclude the use of chemical and biological protectives 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 electrophysiologic 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 hernia; tracheostomy or aphonia; renalithiasis, current; active tuberculosis; pregnancy; unclosed surgical defect, such as external fixator placement; requirement for medical devices using AC power; HIV antibody positivity; psychotic and bipolar disorders. (Reference: Mod 8 to USCENTCOM Individual Protection and Individual/Unit Deployment Policy, PPG-Tab A: Amplification of the Minimal Standards of Fitness for Deployment to the CENTCOM AOR).

(3) In accordance with military directives (DoDI 3020.41, DoDI 6000.11, CFC FRAGO 09-1038, DoD 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.

(4) 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.

(5) Notwithstanding any other provision of the contract, the contractor shall be liable for any and all medically-related services or transportation rendered. In accordance with OUSD(C) Memorandum dated January 4, 2007, the following reimbursement rates will be charged for services at all DoD deployed medical facilities. These rates are in effect until changed by DoD direction.

(a) Inpatient daily rate: \$1,918.00. Date of discharge is not billed unless the patient is admitted to the hospital and discharged the same day.

(b) Outpatient visit rate: \$184.00. This includes diagnostic imaging, laboratory/pathology, and pharmacy provided at the medical facility.

(End)

**6.6 Quarterly Contractor Census Reporting (Jul 08).** The prime contractor will report upon contract award and then quarterly thereafter, not later than 1 January, 1 April, 1 July and 1 October, to [JCCI.J2J5J7@pco-iraq.net](mailto:JCCI.J2J5J7@pco-iraq.net) for Iraq and to [BGRMPARC-A@swa.army.mil](mailto:BGRMPARC-A@swa.army.mil) for Afghanistan the following information for the prime contract and all subcontracts under this contract:

(1) The total number of contract employees performing on the contract who receive any support benefits, including but not limited to billeting, food, use of exchanges, laundry by host nation, US



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Nationals, and Third Country Nationals;

(2) The total number of prime contract employees performing on the contract by host nation, US Nationals, and Third Country National;

(3) The total number of subcontractor employees performing on the contract by subcontractor, host nation, US Nationals, and Third Country National;

(4) The company names and contact information of its subcontractors at all tiers; and

(5) The name of all company POCs who are responsible for entering and updating employee data in the Synchronized Predeployment & Operational Tracker (SPOT) IAW DFAR 252.225-7040 (MAR 2008) or DFAR DOD class deviation 2007-O0010.

(End)

**6.7 Arming Requirements and Procedures for Private Security Company (PSC) Contracts, Personal Security Detachment (PSD) Contracts, and for Requests for Personal Protection in Iraq and Afghanistan (July 2008)**

**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 US CENTCOM, Multi-National Force Commander and Multi-National Corps 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 3020.41, *Contractor Personnel Authorized to Accompany the US Armed Forces*;

(2) DFARS 252.225-7040, *Contractor Personnel Supporting a Force Deployed Outside the United States*; (MAR 2008)

(3) Class Deviation 2007-O0010, *Contractor Personnel in the United States Central Command Area of Responsibility*

(4) CPA Order #17, *Registration Requirements for Private Security Companies*, dated 27 Jun 04;

(5) US CENTCOM Policy Letter, Mod 1, *Personal Protection and Contract Security Service Arming*, dated 7 Nov 2006

**b. Required Government Documentation.** The unit requesting the contractor security shall provide a description of the following to the arming approval authority and to the contracting officer:

(1) The specific location where the PSC will operate;

(2) The persons and/or property that require protection;

(3) The anticipated threat;

(4) The required weapon types; and

(5) The reason current security/police forces are inadequate.

**c. Required Contractor Documentation.** Contractors and their subcontractors at all tiers that require arming approval shall provide the following to the contracting officer representative (COR):

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(1) Documentation that each employee who will be armed under the contract received the following training—

(A) Weapons Qualification/Familiarization. All employees must meet the qualification requirements established by any DoD or other U.S. government agency

(B) Law of Armed Conflict (LOAC);

(C) Rules for the Use of Force (RUF), as defined in the US CENTCOM Policy, dated 23 December 2005; and

(D) 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) One (1) copy of a business license from the Iraqi or Afghani Ministry of Trade or Interior;

(4) One (1) copy of an operating license (or a temporary operating license) from the Ministry of Interior;

(5) A communications plan that, at a minimum, sets forth the following:

(A) The contractor's method of notifying military forces and requesting assistance where hostilities arise or combat action is needed;

(B) How relevant threat information will be shared between contractor security personnel and U.S. military forces; and

(C) How the contractor will coordinate transportation with appropriate military authorities.

(6) An acceptable plan for accomplishing background checks on all contractor and subcontractor employees who will be armed under the contract. The contractor shall, at a minimum, perform the following (which will be specifically addressed in its plan and which will be documented and furnished to the COR upon completion):

(A) Use one or more of the following sources when conducting the background checks: Interpol, FBI, Country of Origin Criminal Records, Country of Origin US Embassy Information Request, CIA records, and/or any other records available;

(B) Verify with MNC-I or Afghanistan RCE – CG Provost Marshal that no employee has been barred by any commander within Iraq or Afghanistan; and

(C) Certify, after completing all checks, that all persons armed under this contract are not prohibited under U.S. law from possessing a weapon or ammunition.

d. **Required Contractor Acknowledgements.** Contractors and their subcontractors at all tiers that require arming approval will provide written acknowledgement of the following to the COR:

(1) 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 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.

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(2) 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 U.S. and Host Nation prosecution and civil liability. "Host Nation" refers to the nation or nations where services under this contract are performed.

(3) Lapses in Training. Failure to successfully retrain an employee who is 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 to the contractor and will remain unarmed until such time as they are retrained and the COR determines that the retraining is sufficient.

e. **Authorized Weapon & Ammunition Types.** Unless DCDRUSCENTCOM (or a designee) 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. 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) US government Ball ammunition is the standard approved ammunition.

f. **Requirements for Individual Weapons Possession.** All employees of the contractor and its subcontractors at all tiers who are 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 (c);

(2) Carry weapons only when on duty or at a specific post;

(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; and

(5) IAW USCENCOM G.O. #1, consumption of alcohol 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 where they will be armed.

g. **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.

h. **Rules for the Use of Force (RUF).** In addition to the RUF and ROE training referenced in paragraph (c), the contractor and its subcontractors at all tiers will monitor and report all activities of its armed employees that may violate the RUF. 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:

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- (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; and
- (6) Detaining local civilians, other than in self-defense or as reflected in the contract terms.

i. **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.

j. **Contractor Vehicles.** Vehicles used by contractor and subcontractor personnel in the course of their security duties shall not be painted or marked to resemble US/Coalition or host nation military and police force vehicles.

k. **Quarterly Reporting.** The prime contractor will report quarterly (i.e. NLT 1 January, 1 April, 1 July and 1 October for each quarter of the calendar year) to the Contracting Officer responsible for this contract, and any other organization designated by the Contracting Officer, the following information under this contract:

- (1) The total number of armed civilians and contractors;
- (2) The names and contact information of its subcontractors at all tiers; and A general assessment of the threat conditions, adequacy of force numbers, and any problems that might require a change to force levels. Note: this information is in addition to the information the contractor promises to immediately provide under the communications plan referenced at paragraph (c) (5).

(End)

## 6.8 Support - Contractor Security

IAW PGI 225.7402-3 Government support will be delineated within the Letter of Authorization (LOA) provided to the contractor in support of this effort.

## 6.9 Support – Personnel

IAW PGI 225.7402-3 Government support will be delineated within the Letter of Authorization (LOA) provided to the contractor in support of this effort.

## 6.10 Processing and Departure Points

All personnel (including contractors) need to report to Ft. Benning, GA for deployment processing. Contractors must make an appointment for processing by visiting the CONUS Replacement Center (CRC) website at <https://www.benning.army.mil/CRC/>. Click on the "Reservations for CRC" link at the top-right portion of the page. Complete and submit the Excel spreadsheet no later than 1 Month prior to deployment in order to ensure completion of all deployment requirements.

## 7.0 POINT OF CONTACT.

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The Task Order Manager (TOM) is Mr. Mohammad Beitvashahi, Code 6067, telephone 812-854-1488 and the Technical Acquisition POC (TAPOC) is Mr. Jeffrey Campbell, Code 407, telephone 812-854-2861.

### **8.0 PLACE OF PERFORMANCE.**

It is estimated that the majority of the work effort for this TO will be accomplished at NSWC Crane. Tasking in the PWS paragraph 3.0 requires Contractor to access technical documentation and utilize GFP to perform tasking. Source documentation, furnished as GFI, is utilized by government personnel on a daily basis and is inherent to the Department and internal operations. Also timely access to this documentation for both government personnel and contract personnel negates the possibility of locating Contractor personnel at the contractor's facilities off-site.

### **9.0 PERFORMANCE CRITERIA.**

Performance criteria for tasking identified in section 3.0 is listed in the table below. The Performance Assessment Method will be used to evaluate all tasks on this Task Order.

PERFORMANCE CRITERIA	PERFORMANCE STANDARD	PERFORMANCE ASSESSMENT METHOD
Provide deliverables IAW TO Mod in a timely manner	Deliverables provided in a timely manner 95% of the time.	Match actual delivery date to required delivery date
Quality of support.	Quality of support meets or exceeds TO Mod requirements 95% of the time	Random inspection
Effective management	Facilitate effective Task Order Mod performance	Random inspection and meetings between the contractor and TOM
Cost control	TO Mod completed within Budget	Verify Financial Expenditure Report

### **10. PERIOD OF PERFORMANCE**

The initial award will be for a 2-year base Period of Performance with 3 one-year award terms. The Period of performance, including award terms, is 5 years.

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## SECTION D PACKAGING AND MARKING

All Applicable Clauses in accordance with Section D of Basic Contract  
SECTION D PACKAGING AND MARKING

All provisions and clauses in SECTION D of the basic contract apply to this task order, unless otherwise specified in this task order.

### DATA PACKAGING LANGUAGE (5503)

All unclassified data 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 January 1995.

### MARKING OF REPORTS (NAVSEA) (SEP 1990) (5506)

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) task order number
- (4) sponsor: \_\_\_\_\_

(Name of Individual Sponsor)

\_\_\_\_\_  
(Name of Requiring Activity)

\_\_\_\_\_  
(City and State)

### PROHIBITED PACKING MATERIALS (5512)

The use of asbestos, excelsior, newspaper or shredded paper (all types including waxed paper, computer paper and similar hygroscopic or non neutral material) is prohibited. In addition, loose fill polystyrene is prohibited for shipboard use.

### INSTRUCTIONS FOR MARKING DISTRIBUTION STATEMENT (5513)

The Contractor shall comply with the instructions cited below for placement of the distribution statement associated with data. The applicable distribution statement is identified on each Contract Data Requirements List (DD Form 1423-1). The distribution statement shall be displayed conspicuously on technical documents so as to be recognized readily by receipts.

The distribution statement shall appear on each front cover and title page of a report. If the technical document does not have a cover or title page, the applicable distribution statement shall be stamped or typed on the front page in a conspicuous position.

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## **SECTION E INSPECTION AND ACCEPTANCE**

All provisions and clauses in SECTION E of the basic contract apply to this task order, unless otherwise stated herein.

### **INSPECTION AND ACCEPTANCE TERMS**

Supplies/services will be inspected/accepted at DESTINATION.

### **INSPECTION AND ACCEPTANCE LANGUAGE FOR DATA (5602)**

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

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## SECTION F DELIVERABLES OR PERFORMANCE

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

1000	9/25/2007 - 9/24/2008
1100	9/25/2008 - 9/24/2009
3000	9/25/2007 - 9/24/2008
3100	9/25/2008 - 9/24/2009
4000	9/25/2009 - 9/24/2011
4001	7/20/2010 - 9/24/2011
6000	9/25/2009 - 9/24/2011

All provisions and clauses in SECTION F of the basic contract apply to this task order, unless otherwise stated herein.

### CLIN - DELIVERIES OR PERFORMANCE

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

1000	9/25/2007 - 9/24/2008
1100	9/25/2008 - 9/24/2009
3000	9/25/2007 - 9/24/2008
3100	9/25/2008 - 9/24/2009
4000	9/25/2009 - 9/24/2011
4001	7/20/2010 - 9/24/2011
6000	9/25/2009 - 9/24/2011

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

4100	9/25/2010 - 9/24/2011
6100	9/25/2010 - 9/24/2011

The periods of performance for the Award Term Items are as follows:

4200	9/25/2011 - 9/24/2012
6200	9/25/2011 - 9/24/2012



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#### DATA DELIVERY LANGUAGE FOR SERVICES PROCUREMENTS (5703)

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

NOTE: Performance beyond 5 April 2009 is contingent upon the successful contractor earning the first award term period under their basic SeaPort-e contract. The first award term period under the basic SeaPort-e contract is from 5 April 2009 through 4 April 2014. Therefore, CLINs 4000, 4100, 4200, 6000, 6100, and 6200 are contingent upon the contractor earning their first award term period under their basic SeaPort-e contract.

#### TIME OF PERFORMANCE (SERVICES) (5711)

Services to be furnished under this task order shall be performed and completed within 731 days from the effective date of the task order. The time of performance may be extended by written modification to authorize performance under Award Terms 1, 2, and 3 of the task order as provided for elsewhere herein.

SECTION G CONTRACT ADMINISTRATION DATA

All provisions and clauses in SECTION G of the basic contract apply to this task order, unless otherwise stated herein.

CONTRACTING OFFICER'S REPRESENTATIVE (COR):  
The COR is:

[Redacted]  
[Redacted]  
[Redacted]

The alternate TDR is:

[Redacted]  
[Redacted]  
[Redacted]

(b) The COR will act as the Contracting Officer's representative for technical reviews, providing technical direction and dissemination, as necessary, with respect to the specification or statement of work, and monitoring the progress and quality of contractor performance. The COR is not an Administrative Contracting Officer and does not have authority to direct the accomplishment of efforts which is beyond the scope of the statement of work in the task order.

(c) When, on the option of the contractor, the COR requests effort outside the existing scope of the task order, the contractor shall promptly notify the PIC in writing. No action shall be taken by the contractor under such direction until the contracting officer has issued a modification to the task order or until the issue has been otherwise resolved.

ACQUISITION OFFICE REPRESENTATIVE:

Deputy Manager

CODE CONNING Bldg  
10000000000000000000  
10000000000000000000  
Camp Dr #1022-000  
Tucson AZ 85724-0000

email: [Redacted]  
[Redacted]

SECURITY INFORMATION STATE:  
The highest level of security required under this contract is SECRET as designated on DD Form 284 attached hereto and made a part hereof.

The Contractor, Defense Security Service, Director of Industrial Security, Defense Region, is Designated Security Administrator for the purpose of administering all elements of military security hereunder.

DELIVERED INSTRUMENTS AND PAYMENT FOR SERVICES

Invoices for services rendered under this contract shall be submitted electronically through Wide Area Work Flow - Receipt and Interchange (WRWF).

The vendor shall self-register at the web site <http://wawf.dhs.mil>. Vendor training is available on the internet at <http://wawftraining.dhs.mil>. Additional support can be accessed by calling the WRWF Assistance Line: 1-800-333-9887.

Before the first invoice under WRWF on the contract type, the user vendor prepares the invoice number. Back up documentation (such as invoices, cost breakdowns, etc.) can be included and attached to the invoice in WRWF.

Attendance received in any Microsoft Office product are attributable to the invoice in WRWF.

The following information regarding Naval Surface Warfare Center, Crane, Indiana is provided for completion of the invoice in WRWF:

SWP Product: N00178  
Order by Name: [Redacted]  
Order by Title: [Redacted]  
Order by Org: [Redacted]  
Order by Project: [Redacted]  
Order by Location: [Redacted]  
Order by Agency: [Redacted]  
Order by Division: [Redacted]  
Order by Component: [Redacted]  
Order by Unit: [Redacted]

The contractor shall submit invoices for payment per contract terms. The contractor shall invoice per AFM by (DATE/USE replacement line item number). The Government shall process invoices for payment per contract terms. Payment is not to be processed across AFM. AFMs are to be paid in accordance with contractor's invoice.

After clicking the submit button, a Notice of Administrative/Contractual Submission screen will appear. This screen allows you to enter an additional e-mail notification address. You must click on the "Send New E-mail Notifications" link and add the e-mail address listed below for submission of the message:

Do e-mail the invoice to the following address:

CONTRACTING OFFICER'S REPRESENTATIVE (COR):  
The COR is:

[Redacted]  
[Redacted]  
[Redacted]

The alternate TDR is:

[Redacted]  
[Redacted]  
[Redacted]

DELIVERED WRWF Submissions:

On the Main/Invoice Tab of the Invoice in WRWF attach the cost breakdown for the most voucher amount being submitted (i.e. the limiting instrument).

CONTRACT ADMINISTRATION DATA LABELING (CAD)

Enter below the address (street and number, city, county, state and zip code) of the Contractor's facility which will administer the task order if such address is different from the address shown on the proposal.

Address: \_\_\_\_\_  
Street or Route \_\_\_\_\_  
City or State \_\_\_\_\_  
Zip Code \_\_\_\_\_

CONTRACTOR PERFORMANCE ASSESSMENT SYSTEM (CPAS) (CAF 311)

- (a) Pursuant to FAR 41.102, this task order is subject to DoD's Contractor Performance Assessment System (CPAS). CPAS is an automated, centralized information system accessible via the Internet that maintains reports of contractor performance for each contract/task order. CPAS is located at <http://www.cpas.org/ncf/>. Further information on CPAS is available at that web-site.
- (b) Under CPAS, 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 CPAS. The meeting is to be requested via e-mail to the CPAS Program Manager no later than seven days following receipt of the CPAS. A meeting will then be held during the contractor's 30-day review period.
- (d) The CPAS system requires the Contractor to assign the contractor a Overall ID and password in order to rate and comment on the evaluation. Provide the email of at least one individual (not necessarily the contractor) that will be assigned as your Defense Contractor Representative for CPAS. Name, Phone, E-mail address.

TEAM ORDER ADMINISTRATION PLAN (TOA)

In order to expedite administration of this task order, the following delineation of duties is provided. The name, address and phone number for those individuals or offices which will be included in the task order award document. The individual/question designated as having responsibility should be contacted for any questions, clarifications or information regarding the functions assigned.

- 1.1. INTERCONTRACT CONTRACTOR OFFICE (ICO) is responsible for:
  - a. All personnel information, questions or alerts
  - b. Review of information (qualifications, etc.)
  - c. Organizational information regarding the scope, terms or conditions of the task order.
  - d. Changes to the Government of subcontractors in accordance with FAR 48.101-2, Administrative Order (AWO) Requirements and before Contract.
  - e. Contract modifications.

2. CONTRACT ADMINISTRATION OFFICER (CAO) is responsible for matters specified in FAR 41.302 and DFARS 41.302 except those delegated to another member or component of the Team order Administration Team.

3. DEFENSE CONTRACT ASSIST ADMIN (DCAA) is responsible for audit verification/provisional approval of invoice and final audit of the task order prior to final payment to the contractor.

4. PAYING OFFICER is responsible for payment of proper invoice after acceptance is documented.

5. TASK ORDER MANAGER (TOM) (Technical) is responsible for:

- a. Issuing Technical Instruction (TI) letters with an adequate description of the work required, and within the scope of the task order; if doubt exists as to whether the task falls within the task order scope of work, contact the PIC.
- b. Ensuring funding is available prior to issuing TI letters.
- c. Security requirements on Government installation.
- d. Maintaining overall quality assurance of services performed, and acceptance or rejection of the services or deliverables. Ensuring contractor compliance with task order quality assurance requirements in accordance with FAR Part 48 as applicable.
- e. Serving as liaison with personnel at the Government installation and the contractor personnel on site.
- f. Forwarding technical advice/instructions/clarifications on the statement of work and/or TI labeling. Ensure that specific technical instructions necessary to perform the work specified in the task order are furnished the contractor. The TOM shall be responsible for all Government technical interface concerning the task order.
- g. Forwarding technical requests to both the PIC and CAO with regard to technical requirements, and recommendations of costs incurred.
- h. Approving contractor travel requirements.
- i. Submitting written reports on the performance of the contractor to the PIC. The reports shall address the timeliness and acceptability of the deliverables, the use made of those deliverables/reports, and the effectiveness of the contractor's performance.
- j. Maintaining files. This includes all modifications, government cost breakdowns, contractor invoice/revenue, Certificate of Performance, and contractor's monthly status reports. In addition, maintain files on all correspondence relating to contractor performance, whether satisfactory or unsatisfactory and maintain appropriate files documentation to support the TOM's written position to this paragraph 5.
- k. Monitoring contractor performance using the technique of floor checks to see that facilities or material vehicles are not being utilized and, if they are, take reasonable and timely action to alert the contractor and PIC. Documenting availability of contractor performance to determine if the percentage of funds expended corresponds to the percentage of funds expended and alert the Contracting Officer to any potential difficulties. This includes review of the Contractor's Progress reports and from the TOM's personal observations.
- l. Issuing the PIC or PIC in reviewing and evaluating contractor vehicles to perform work under change orders or modifications and furnish accurate and comprehensive to the contractor contracting officer.
- m. Ensuring that invoices/revenue are received in a timely manner. Reviewing copies of Certificate of Performance and all supporting documentation in light of the requirements, progress and other logs, both documentary and from personal observation, to determine the reasonableness of the billing, ensuring that the effort was expended toward the completion of the tasking defined in the TI.
- n. Alerting the contracting officer of any potential performance problems; and if performance schedule slippage is identified, determine sensitive factors and report them to the PIC with proposed actions required to minimize or reverse the slippage if possible. Monitor the recovery according to the agreed upon plan, and report significant problems to the PIC.
- o. Ensuring that appropriate action is taken on technical correspondence pertaining to the task order. This includes the timely submission to the PIC of any contractor or Government requests for change, decision in writing, including submission of supporting analysis and other required documentation.
- p. Issuing status warnings with DOD Directive 5407.7 and 58020002X 5471.20 regarding avoidance of undue and needless in interest requirements.
- q. Track all Government Published Information (GPI), Government Published Technical (GPT), Government Published Electronic (GPE), and Government Published Facilities (GPF) provided to the Contractor, GSI Developing, maintaining, and implementing procedures to ensure that compliance with the requirements of this TDR are met.

The TOM shall not:

Request payments, negotiate prices, or obligate the Government

Make changes to the terms and conditions of the task order.

Indicate the responsibility of funds except as expressly provided in this task order.

















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## SECTION H SPECIAL CONTRACT REQUIREMENTS

All provisions and clauses in SECTION H of the basic contract apply to this task order, unless otherwise stated herein.

### MANDATORY REQUIREMENTS

The following are mandatory requirements that must be met and maintained through the life of the order:

1. The contractor's facility supporting this requirement must have or be eligible to obtain a facility clearance and storage capability up to the SECRET level for both processing and storage.

### Conformance with the Environmental Management System

The Contractor shall perform work under this contract, at the installation or at the Contractor site, consistent with the policy and objectives identified in the installation's Environmental Management System (EMS) and applicable rules and regulations provided to the contractor as Government Furnished Information (GFI). The Contractor shall perform work in a manner that conforms to objectives and targets, environmental programs and operational controls identified by the EMS. The Contractor shall provide monitoring and measurement information as required by the EMS coordinator (Environmental Protection Manager) to address environmental performance relative to environmental, energy, and transportation management goals.

In the event an EMS nonconformance or environmental noncompliance associated with the contracted services, tasks, or actions occurs, the Contractor shall be responsible for coordinating with the installation's Environmental Protection office on proposed corrective and/or preventive actions and for completing all corrective/preventive actions as required by the EMS coordinator or the Environmental Protection Office. In addition, the Contractor shall ensure its employees are aware of their roles and responsibilities under the EMS and Environmental laws and regulations, and how these EMS roles and responsibilities affect work performed under the contract.

The Contractor shall be responsible for ensuring their employees receive applicable environmental and occupational health and safety training, and maintain regulatory-required specific training for the type of work to be conducted. All Contractor personnel, and their subcontractor personnel, performing tasks that have the potential to cause an environmental impact shall be competent on the basis of appropriate education, training or experience. Upon contract award, the Government will provide EMS Awareness and Environmental Awareness training on CD to the Contractor. The contractor shall provide the EMS coordinator with all training records required by the EMS coordinator or the Environmental Protection Office (including but not limited to EMS training, waste water treatment certifications, asbestos certifications, etc.) for all contractor personnel and subcontractor personnel within 30 days prior to performance or at time of contract award whichever comes first and annually thereafter. The installation EMS Coordinator will retain associated records.

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GOVERNMENT FURNISHED PROPERTY (PERFORMANCE) (SEP 1990)(NAVSEA 5252.245-9108)

The Government will provide only that property set forth below, notwithstanding any term or condition of this contract to the contrary. Upon Contractor's written request to the cognizant Task Order Manager, via the cognizant Procuring Contract Office (NSWC Crane), the Government will furnish the following for use in the performance of this contract:

\*To be identified upon issuance of Technical Instruction (TI) letters.

TECHNICAL INSTRUCTIONS (MAY 1993) (NAVSEA 5252.242-9115)

(a) Performance of the work hereunder shall be subject to written technical instructions/technical direction letters signed by the Task Order Manager specified in Section G of this contract. As used herein, technical instructions/technical direction letters 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/technical direction letters calls for effort outside the scope of the contract or is inconsistent with this requirement, the Contractor shall notify the Procuring Contracting Officer (NSWC Crane) 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/technical direction letter unless and until the Contractor is notified by the Procuring Contracting Officer (NSWC Crane) that the technical instruction/technical direction letter 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/technical direction letter.

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) Comprehensive General Liability: \$200,000 per person and \$500,000 per accident for bodily injury.
- (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 amount of \$100,000.

ALLOTMENT OF FUNDS (MAY 1993) (NAVSEA 5252.232-9104)

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(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:

**\*see section F and section G**

**H30S LIMITATION OF LIABILITY - INCREMENTAL FUNDING (JUN 2004)**

This task order is incrementally funded and the amount currently available for payment hereunder is limited to \*\* \$ inclusive of fee, profit and all other charges. The clause entitled, Limitation of Funds (FAR 52.232-22), applies. The Government is not obligated to reimburse the Contractor for costs incurred in excess of this amount unless additional funds are made available and are incorporated as a modification to this task order.

**\*\* see general information sheet**

**H81S TRAVEL COSTS AND RESPONSIBILITIES**

(a) Performance under this task order 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 task order in accordance with FAR subpart 31.2 or 31.3 as applicable.

**H83S SERVICE CONTRACT ACT WAGE DETERMINATION (JUN 2004)**

The applicable Service Contract Act Wage Determinations by the Secretary of Labor are provided as attachments in Section J.

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

(a) Contractor personnel shall comply with all current badging and security procedures required to gain access to any Government site. The Contractor shall ensure that Contractor personnel employed on any Government site become familiar with and obey Activity regulations. Contractor personnel shall not enter restricted areas unless required to do so and until cleared for such entry. 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. Contractor personnel shall bear personal protective equipment in designated areas. All contractor equipment shall be conspicuously marked for identification. 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.

**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

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order and, notwithstanding provisions contained elsewhere in this task order, the said authority remains solely the Contracting Officer's. In the event the contractor 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.

#### H100S PERFORMANCE BASED CONTRACTING PRICE REDUCTION FIXED PRICE (AUG 2004)

The Government may reduce the fixed price of the corresponding task order line item when services are not performed or do not meet task order requirements. The Government shall provide written notification to the contractor detailing the lack of performance or non-compliance with the Performance Standards.

#### HP10S OPTION TO EXTEND THE TERM OF THE TASK ORDER

This task order is renewable at the prices stated in Section B of the Contractor's proposal upon written modification to authorize performance under Award Terms 1, 2, and 3 of the task order as provided for elsewhere herein. The total duration of this task order, including Award Terms, shall not exceed 60 months.

#### HQ-C-2-0014 CONTRACTOR'S PROPOSAL (NAVSEA) (SEP 1990)

(a) Performance of this contract by the Contractor shall be conducted and performed in accordance with detailed obligations to which the Contractor (AMSEC) committed itself in Proposal dated (24 August 2007) in response to NSWC Crane Solicitation No. N00024-07-R-3428.

(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 52.215-08) 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 specifications" in order of precedence.

#### WORK WEEK

(a) All or a portion of the effort under this contract will be performed on a Government installation. The normal work week shall be Monday through Friday for all straight time worked. No deviation in the normal workweek will be permitted without express advance approval in writing by the designated Ordering Officer with coordination of the using departments. In the event that the contractor fails to observe such normal work week, any costs incurred by the Government resulting therefrom, shall be chargeable to the contractor. Work on Center shall be performed during the normal work hours at that location unless differing hours are specified on the individual delivery orders. For purposes of scheduling personnel, the contractor is hereby advised that the Government Installation will observe ten Federal Government holidays each year. The contractor is further advised that access to the Government installation may be restricted on these holidays:

- (1) Martin Luther King - January
- (2) President's Day - February
- (3) Memorial Day - May
- (4) Independence Day - July
- (5) Labor Day - September
- (6) Columbus Day - October

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(7) Veterans Day - November

(8) Thanksgiving - November

(9) Christmas - December

(10) New Years Day - January

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

(c) In the event the Contractor is prevented from performance as the result of an Executive Order or an administrative leave determination applying to the using activity, such time may be charged to leave or indirect charges in accordance with the company policy.

#### AWARD TERM CLAUSE

In addition to the terms set forth elsewhere in the contract, the contractor may earn an extension or reduction to the contract period from a minimum of 1 to a maximum of 5 years on the basis of performance during the evaluation periods. The contractor is evaluated during the first year of performance, but extensions or reductions start in the second year. If scores are very good during Year 2, the contractor earns Year 4; if scores are very good in Year 3, the contractor earns Year 5. In Year 5, the contractor must earn a score of "excellent" in order for the contract period to be extended beyond Year 5. Consistent scores of "excellent" during succeeding years earn contract period extensions up to a maximum of 10 years. The contract period may also be reduced on the basis of the contractor's performance against the stated performance parameters. Points are awarded or deducted during each year of the contract on the basis of how the contractor has performed against the predetermined criteria. The contract period is then extended or reduced to reflect this assessment.

(a) Award Term. The award-term concept is an incentive that permits extension of the contract period beyond the base period of performance for superior performance or reduction of the contract period of performance because of poor performance. (b) Term Points. Positive or negative points are accumulated during each evaluation period on the basis of the contractor's performance. An accumulation of positive points (e.g., +50, +75, or +100) is required for a one-year term extension, and an accumulation of negative points (e.g., -50, -75, or -100) results in a one-year reduction in the contract period. (c) Monitoring of Performance. The contractor's performance will be continually monitored by the performance monitors whose findings are reported to the ATRB. The ATRB recommends an award term to the TDO, who makes the final decision on the award-term amount on the basis of the contractor's performance during the award-term evaluation period. (d) Award-Term Plan. The evaluation criteria, the associated points, and the associated award-term extensions or reductions are specified in the award-term plan. (e) Modification of Award-Term Plan. Changes may be made to the award-term plan at any time during contract performance, provided that both parties agree to them. If agreement cannot be reached on changes, the initial award-term plan remains in effect. (f) Self-Evaluation. The contractor will submit to the CO, within 5 working days after the end of each award-term evaluation period, a brief written self-evaluation of its performance for that period. This self-evaluation shall be limited to 25 pages. It will be used in the ATRB's evaluation of the contractor's performance during this period. (g) Disputes. Decisions regarding the award term, including—but not limited to—the amount of the award term, if any; the methodology used to calculate the award term; calculation of the award term; the supplier's entitlement to the award term; and the nature and success of the contractor's performance, are made by the TDO. These decisions are final and are not subject to dispute. (h) Award-Term Extension. The contract period may be modified to reflect the TDO decision. The total contract ordering period, including extensions under this clause, will not exceed 5 years, or the time remaining on the SEAport contracts, including exercised options. The award-term provision must be included in the solicitation and resulting TO. If at any time the contract period does not extend more than two years from the TDO decision, the operation of the award-term provision will cease and the ordering period will not extend beyond the term set at that time.

#### AWARD TERM PLAN

1.0 INTRODUCTION This is the basis for evaluating of the contractor's performance and for presenting an

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assessment of that performance to the term-determining official (TDO). The evaluation for the number of term points to be awarded will begin at the start of the contract.

Award-term contracting is effective when performance metrics are objective, a long-term business relationship is of value to the government and to the contractor, and the expected outcomes are known up-front. The specific criteria and procedures used for assessing the contractor's performance and for determining the award term earned are described herein. All TDO decisions regarding the award-term points—including, but not limited to, the number of points, if any; the methodology used to calculate the points; the calculation of the points; the contractor's entitlement to the points; and the nature and success of the contractor's performance—are final and not subject to dispute.

The award term will be provided to the supplier through unilateral contract modifications based upon points earned as determined by the TDO.

**2.0 ORGANIZATION** The award-term organization includes the TDO and an Award-Term Review Board (ATRB) consisting of a chairperson, the contracting officer, a recorder, other functional area participants, advisory members, and the performance monitors.

### 3.0 RESPONSIBILITIES

- a. **Term-Determining Official.** The TDO approves the award-term plan and any significant changes to it. The TDO reviews the recommendations of the ATRB, considers all pertinent data, and determines the earned award-term points for each evaluation period. The TDO appoints the ATRB chairperson.
- b. **Award-Term Review Board Chairperson.** The ATRB chairperson chairs the meetings of the ATRB and appoints the non-mandatory members of the board and the performance monitors. The ATRB chairperson briefs the TDO on recommended earned term amounts and the contractor's overall performance and recommends award-term plan changes to the TDO.
- c. **Award-Term Review Board.** ATRB members review performance monitors' evaluation of the contractor's performance, consider all information from pertinent sources, prepare interim performance reports, and arrive at the earned award-term points recommendation to be presented to the TDO. The ATRB will also recommend changes to this plan. An assessment of the contractor's performance will be done on a yearly basis.
- d. **ATRB Recorder.** The ATRB recorder is responsible for coordinating the administrative actions required by the performance monitors, the ATRB, and the TDO.
- e. **Contracting Officer (CO).** The CO is the liaison between contractor and government personnel. Subsequent to the TDO decision, the CO evaluates the award-term points available and modifies the contract period of performance, if necessary, to reflect the decision.
- f. **Performance Monitors.** Performance monitors maintain written records of the contractor's performance in their assigned evaluation areas so that a fair and accurate evaluation is obtained. Monitors prepare interim and end-of-period evaluation reports as directed by the ATRB.

### 4.0 AWARD-TERM PROCESSES

- a. **Available Award-Term Points.** The earned award-term points will be based on the contractor's performance during each evaluation period. An accumulation of positive points (e.g., +50, +75, or +100) is required for a one-year term extension, while an accumulation of negative points (e.g., -50, -75, or -100) results in a one-year reduction in the contract period. It is important that the point system be tailored to the particular acquisition.
- b. **Evaluation Criteria.** If the CO does not give specific notice in writing to the contractor of any change to the evaluation criteria prior to the start of a new evaluation period, then the same criteria listed for the preceding period will be used in the following award-term evaluation period. Modifications to the plan shall take effect in the next evaluation period.
- c. **Interim Evaluation Process.** Interim evaluations will be conducted at least every six months. At the discretion of the TDO, interim evaluations may take place more frequently (e.g., at major milestones). The ATRB recorder notifies ATRB members and performance monitors 14 calendar days before the midpoint of the evaluation period. Performance monitors submit their evaluation reports to the ATRB 21 calendar days after this notification. The ATRB determines the interim evaluation results and notifies the contractor of the strengths and weaknesses for the current evaluation period. The CO may also issue letters at any other time when it is deemed necessary to highlight areas of government concern.
- d. **End-of-Period Evaluations.** The ATRB recorder notifies ATRB members and performance monitors 14 calendar days before the end of the evaluation period. The contractor presents its self-assessment to the CO within five working days after the end of the evaluation period. This written assessment of the contractor's performance throughout the evaluation period may also contain any information that could be reasonably expected to assist the

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ATRB in evaluating its performance. The self-assessment may not exceed 25 pages. Performance monitors submit their evaluation reports to the ATRB 14 calendar days after the end of the evaluation period. The ATRB forwards copies to the contractor. The performance monitors provide oral presentations to the ATRB 21 days after the end of evaluation period. The contractor is then given an opportunity to address the performance monitor evaluations. The ATRB prepares its evaluation report and recommendation regarding earned or unearned award-term points. The ATRB briefs the evaluation report, and recommendation to the TDO within 30 calendar days after the end of the evaluation period. The TDO determines the overall award-term points for the evaluation period within 45 calendar days after each evaluation period. The TDO letter informs the contractor of the earned award-term points and the total cumulative points. Upon the accumulation of sufficient award term-points, the CO issues a contract modification within 15 calendar days after the TDO's decision is made authorizing an award extension or reduction based on the earned or unearned award-term points.

5.0 AWARD-TERM PLAN CHANGE PROCEDURE Proposed changes to the award-term plan will be bilateral. If either party desires a change to the award-term plan and a mutual agreement cannot be reached, the original award-term plan will remain in effect.



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## SECTION I CONTRACT CLAUSES

Note: All the provisions and clauses of SECTION I of the basic contract apply to this task order unless otherwise specified herein.

### CLAUSES INCORPORATED BY FULL TEXT

#### **52.222-2 -- Payment for Overtime Premiums.**

As prescribed in 22.103-5(b), insert the following clause:

Payment for Overtime Premiums (Jul 1990)

(a) The use of overtime is authorized under this contract if the overtime premium does not exceed \$391,593.86 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.

#### **252.222-7999 Additional Requirements and Responsibilities Restricting the Use of Mandatory Arbitration Agreements (Deviation) (February 2010)**

(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

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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.

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/>

52.219-14 Limitations on Subcontracting (DEC 1996)

52.222-35 Equal Opportunity for Special Disabled Veterans, Veterans (DEC 2001) of the Vietnam Era, and Other Eligible Veterans

52.228-5 Insurance-Work On A Government Installation (JAN 1997)

52.232-19 Availability of Funds for the Next Fiscal Year (APR 1984)

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52.232-23 Assignment of Claims-Alternate I (APR 1984) (JAN 1986)

52.232-25 Prompt Payment-Alternate I (FEB 2002) (OCT 2003)

52.243-2 Changes-Cost Reimbursement (AUG 1987)-Alternate II (APR 1984)

52.244-2 Subcontracts (AUG 1998)

252.225-7004 Reporting of Contract Performance Outside the (APR 2003)  
United States

252.227-7013 Rights in Technical Data-Noncommercial Items (NOV 1995)

252.227-7030 Technical Data-Withholding of Payment (MAR 2000)

MOD 010-

INVOKE CLAUSES THAT ARE IN THE BASIC CONTRACT :

52.245-1 Government Property (JUN 2007)

252.227-7013 Rights in technical data – Noncommercial items. (NOV 1995)

252.227-7037 Validation of restrictive markings on technical data. (SEP 1999)

252.227-7039 Patents – Reporting of subject inventions. (APR 1990)

PER MOD 23-

252.228-7002, Aircraft Flight Risks (SEPT 1996)

Clauses Incorporated by Full Text:

**252.225-7040 Contractor Personnel Authorized to Accompany U.S. Armed Forces Deployed Outside the United States.**

As prescribed in 225.7402-4(a), use the following clause:

CONTRACTOR PERSONNEL AUTHORIZED TO ACCOMPANY U.S. ARMED FORCES DEPLOYED OUTSIDE THE UNITED STATES (MAR 2008)

(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.

“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

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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 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.

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(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 letter of authorization issued 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.* 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—

(1) United States, host country, and third country national laws;

(2) Treaties and international agreements;

(3) United States regulations, directives, instructions, policies, and procedures; and

(4) 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. However, only the Contracting Officer is authorized to modify the terms and conditions of the contract.

(e) *Pre-deployment requirements.*

(1) The Contractor shall ensure that the following requirements are met prior to deploying personnel in support of 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 immunizations as specified in the contract. The Government will provide, at no cost to the Contractor, any theaterspecific 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.

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(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.

(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 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

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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.

(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.

(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—

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- (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 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 2310.2, Personnel Recovery.
- (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,



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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.

(End of clause)

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## **SECTION J LIST OF ATTACHMENTS**

Attachment 1 DD254

Attachment 2 DoL Wage Determination

Attachment 3 CDRLs 1 - 12

Attachment 4 - Non-key personnel qualifications

Attachment 5 - Resume Guidelines

Attachment 6 - CFC FRAGO 09-1038 Contractor Care in the USCENCOM AOR (July 06, pgs. 9)

Attachment\_7\_Funding\_Notification\_Letter\_Example

Attachment\_8\_Funding\_Notification\_CDRL\_B011