

2. AMENDMENT/MODIFICATION NO. 28	3. EFFECTIVE DATE 21-Mar-2013	4. REQUISITION/PURCHASE REQ. NO. 1300341295	5. 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 64
Crane IN 47522-5001
donald.feaster@navy.mil 812-854-5704

DCMA Manassas
10500 BATTLEVIEW PARKWAY, SUITE 200
MANASSAS VA 20109-2342

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) SCIENCE APPLICATIONS INTERNATIONAL CORP 1710 SAIC Drive McLean VA 22102-3703		9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER NO. N00178-04-D-4119-FC02 10B. DATED (SEE ITEM 13) 29-Mar-2006
CAGE CODE 5UTP8 FACILITY CODE		[X]

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.
<input type="checkbox"/>	
<input type="checkbox"/>	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).
<input checked="" type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Deobligation Modification IAW FAR 43.103(a)
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, 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) ██████████ Contracts Representative	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Don Feaster, Contracting Officer
15B. CONTRACTOR/OFFEROR /s/██████████ (Signature of person authorized to sign)	15C. DATE SIGNED 21-Mar-2013
16B. UNITED STATES OF AMERICA BY /s/Don Feaster (Signature of Contracting Officer)	16C. DATE SIGNED 21-Mar-2013

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GENERAL INFORMATION

The purpose of this modification is to deobligate funds from Labor CLIN 1000. Accordingly, said Task Order is modified as follows:

DEOBLIGATION OF FUNDS

Funding for Labor CLIN 1000 is hereby deobligated as follows (total deobligated amount is [REDACTED])

SLIN	TI No.	ACRN	Reqn No.	Amount Deobligated	Status	Labor Amount	Award Fee	Total CPAF
100037	006	E7	71155535	\$1.00	From	[REDACTED]	[REDACTED]	[REDACTED]
					To	[REDACTED]	[REDACTED]	[REDACTED]

Section B and Section G have been updated accordingly.

FUNDING INFORMATION

The total amount of funding available for **Labor CLIN 1000** (Performance & Award Fee) is hereby decreased by [REDACTED].

The total amount of funding available for **ODC CLIN 3000** (Other Direct Costs) remains [REDACTED].

The total funded amount available for this task order is hereby decreased by [REDACTED].

This task order is incrementally funded and the amount currently available for payment hereunder is limited to [REDACTED], 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 [REDACTED] 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.

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SECTION B SUPPLIES OR SERVICES AND PRICES

CLIN - SUPPLIES OR SERVICES

For Cost Type Items:

Item	Supplies/Services	Qty	Unit	Est.Cost	Base Fee	Award Fee	CPAF
1000	Engineering, Technical and Programmatic Support Services for Base Years 1 through 5. (TBD)						
100001	Incremental Funding in the amount of [REDACTED] CLIN 1000 and TI-01. (RDT&E)						
100002	Incremental Funding in the amount of [REDACTED] for CLIN 1000 and TI-02. Note: Mod 10 deobligated [REDACTED]; new balance is now [REDACTED] 2. (OTHER)						
100003	Incremental Funding in the amount of [REDACTED] for CLIN 1000 and TI-02. (OTHER)						
100004	Incremental Funding in the amount of [REDACTED] for CLIN 1000 and TI-01. (WCF)						
100005	Incremental Funding in the amount of [REDACTED] for CLIN 1000 and TI-03. (OTHER)						
100006	Incremental Funding in the amount of [REDACTED] for CLIN 1000 and TI-03. (OTHER)						
100007	Incremental Funding in the amount of [REDACTED]						

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for CLIN 1000 and
TI-03. (WCF)

100008 Incremental
Funding in the
amount of
[REDACTED] for
CLIN 1000 and
TI-03. (OTHER)

100009 Incremental
Funding in the
amount of
[REDACTED] for CLIN
1000 and TI-03.
(OTHER)

100010 Incremental
Funding in the
amount of [REDACTED]
for CLIN 1000 and
TI-01. (OTHER)

100011 Incremental
Funding in the
amount of [REDACTED]
for CLIN 1000 and
TI-04. (WCF)

100012 Incremental
Funding in the
amount of
[REDACTED] for CLIN
1000 and TI-04.
(RDT&E)

100013 Incremental
Funding in the
amount of [REDACTED]
for CLIN 1000 and
TI-04.NOTE: FUNDS
IN THE AMOUNT OF
[REDACTED] ARE
DEOBLIGATED FROM
[REDACTED], RESULTING
IN A BALANCE OF
[REDACTED] VIA
MODIFICATION 26.
(RDT&E)

100014 Incremental
Funding in the
amount of
[REDACTED] for CLIN
1000 and TI-04.
Note: Mod 12
deobligated
[REDACTED] new
balance is now
\$6,356. (OTHER)

100015 Incremental
Funding in the
amount of
[REDACTED] for CLIN
1000 and TI-01.
(WCF)

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100016 Incremental
Funding in the
amount of [REDACTED]
for CLIN 1000 and
TI-01. (WCF)

100017 Incremental
Funding in the
amount of
[REDACTED] for CLIN
1000 and TI-01.
(RDT&E)

100018 Incremental
Funding in the
amount of
[REDACTED] for CLIN
1000 and TI-02.
(OTHER)

100019 Incremental
Funding in the
amount of [REDACTED]
for CLIN 1000 and
TI-02. (OTHER)

100020 Incremental
Funding in the
amount of [REDACTED]
for CLIN 1000 and
TI-02. (WCF)

100021 Incremental
Funding in the
amount of [REDACTED]
for CLIN 1000 and
TI-02. NOTE: FUNDS
IN THE AMOUNT OF
[REDACTED] ARE
DEOBLIGATED FROM
[REDACTED],
RESULTING IN A
BALANCE OF
[REDACTED] VIA
MODIFICATION 26.
(RDT&E)

100022 Incremental
Funding in the
amount of
[REDACTED] CLIN
1000 and TI-03.
(OTHER)

100023 Incremental
Funding in the
amount of
[REDACTED] for
CLIN 1000 and
TI-03. Note: Mod
14 deobligated
[REDACTED]; new
balance is now
[REDACTED].
(OTHER)

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100024 Incremental
Funding in the
amount of
\$ [REDACTED] for CLIN
1000 and TI-03.
(WCF)

100025 Incremental
Funding in the
amount of \$ [REDACTED]
for CLIN 1000 and
TI-05. (OTHER)

100026 Incremental
Funding in the
amount of [REDACTED]
for CLIN 1000 and
TI-05. (WCF)

100027 Incremental
Funding in the
amount of [REDACTED]
for CLIN 1000 and
TI-05. NOTE: FUNDS
IN THE AMOUNT OF
[REDACTED] 9 ARE
DEOBLIGATED FROM
[REDACTED] 00 ,
RESULTING IN A
BALANCE OF
[REDACTED] VIA
MODIFICATION 26.
(WCF)

100028 Incremental
Funding in the
amount of \$ [REDACTED]
for CLIN 1000 and
TI-06. (OTHER)

100029 Incremental
Funding in the
amount of
[REDACTED] for CLIN
1000 and TI-06.
(WCF)

100030 Incremental
Funding in the
amount of [REDACTED] 0
for CLIN 1000 and
TI-06. (TBD)

100031 Incremental
Funding in the
amount of [REDACTED]
for CLIN 1000 and
TI-06. (WCF)

100032 Incremental
Funding in the
amount of [REDACTED]
for CLIN 1000 and
TI-06. (WCF)

100033 Incremental
Funding in the

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amount of [REDACTED]
for CLIN 1000 and
TI-06. (WCF)

100034 Incremental
Funding in the
amount of [REDACTED]
for CLIN 1000 and
TI-06. (WCF)

100035 Incremental
Funding in the
amount of
[REDACTED] for CLIN
1000 and TI-06.
(OTHER)

100036 Incremental
Funding in the
amount of
[REDACTED] 174 for
CLIN 1000 and
TI-06. Note: Mod
10 deobligated
[REDACTED]; new
balance is now
[REDACTED].NOTE:
FUNDS IN THE
AMOUNT OF
[REDACTED] ARE
DEOBLIGATED FROM
[REDACTED],
RESULTING IN A
BALANCE OF
[REDACTED] VIA
MODIFICATION 26.
(OTHER)

100037 Incremental
Funding in the
amount of [REDACTED]
for CLIN 1000 and
TI-06. NOTE:
FUNDS IN THE
AMOUNT OF [REDACTED]
ARE HEREBY
DEOBLIGATED FROM
[REDACTED],
RESULTING IN A
BALANCE OF
[REDACTED] VIA
MODIFICATION 28.
(WCF)

100038 Incremental
Funding in the
amount of [REDACTED]
for CLIN 1000 and
TI-07.NOTE: FUNDS
IN THE AMOUNT OF
[REDACTED] 1 ARE
DEOBLIGATED FROM
[REDACTED]
RESULTING IN A
BALANCE OF
[REDACTED] VIA
MODIFICATION 26.

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(WCF)

100039 Incremental
Funding in the
amount of [REDACTED]
for CLIN 1000 and
TI-03. (OTHER)

100040 Incremental
Funding in the
amount of
[REDACTED] 7 for
CLIN 1000 and
TI-03. (OTHER)

100041 Incremental
Funding in the
amount of [REDACTED]
for CLIN 1000 and
TI-03. (WCF)

100042 Incremental
Funding in the
amount of
[REDACTED] for CLIN
1000 and
TI-08.NOTE: FUNDS
IN THE AMOUNT OF
\$ [REDACTED] ARE
DEOBLIGATED FROM
[REDACTED],
RESULTING IN A
BALANCE OF
[REDACTED] VIA
MODIFICATION 26.
(OTHER)

100043 Incremental
Funding in the
amount of [REDACTED]
for CLIN 1000 and
TI-11. (OTHER)

100044 Incremental
Funding in the
amount of
[REDACTED] for CLIN
1000 and TI-11.
(OTHER)

100045 Incremental
Funding in the
amount of [REDACTED]
for CLIN 1000 and
TI-11.NOTE: FUNDS
IN THE AMOUNT OF
[REDACTED] ARE
DEOBLIGATED FROM
[REDACTED],
RESULTING IN A
BALANCE OF
[REDACTED] VIA
MODIFICATION 26.
(OTHER)

100046 Incremental
Funding in the

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amount of [REDACTED]
for CLIN 1000 and
TI-11.NOTE: FUNDS
IN THE AMOUNT OF
[REDACTED] ARE
DEOBLIGATED FROM
[REDACTED]
RESULTING IN A
BALANCE OF \$0.00
VIA MODIFICATION
26. (OTHER)

100047 Incremental
Funding in the
amount of
[REDACTED] for CLIN
1000 and
TI-10.NOTE: FUNDS
IN THE AMOUNT OF
[REDACTED] 41 ARE
DEOBLIGATED FROM
[REDACTED],
RESULTING IN A
BALANCE OF
[REDACTED] VIA
MODIFICATION 26.
(OTHER)

100048 Incremental
Funding in the
amount of [REDACTED]
for CLIN 1000 and
TI-06.NOTE: FUNDS
IN THE AMOUNT OF
[REDACTED] 00 ARE
DEOBLIGATED FROM
[REDACTED]
RESULTING IN A
BALANCE OF
[REDACTED] VIA
MODIFICATION 26.
(OTHER)

100049 Incremental
Funding in the
amount of
[REDACTED] for CLIN
1000 and TI-11.
(WCF)

100050 Incremental
Funding in the
amount of [REDACTED]
for CLIN 1000 and
TI-03. (RDT&E)

100051 Incremental
Funding in the
amount of
[REDACTED] CLIN
1000 and TI-03.
Note: Mod 14
deobligated
[REDACTED] new
balance is now
[REDACTED]. (OTHER)

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100052 Incremental
Funding in the
amount of
[REDACTED] for CLIN
1000 and
TI-03.NOTE: FUNDS
IN THE AMOUNT OF
[REDACTED]
[REDACTED] FROM
[REDACTED]
RESULTING IN A
BALANCE OF
[REDACTED]
[REDACTED] 26.
(OTHER)

100053 Incremental
Funding in the
amount of
[REDACTED] for CLIN
1000 and TI-01.
(WCF)

100054 Incremental
Funding in the
amount [REDACTED]
[REDACTED] for CLIN
1000 and TI-01.
Note: Mod 13
deobligated
[REDACTED]; new
balance is now
\$0.00. (RDT&E)

100055 Incremental
Funding in the
amount of [REDACTED]
[REDACTED]
TI-01. (WCF)

100056 Incremental
Funding in the
amount of
[REDACTED] for CLIN
1000 and
TI-09.NOTE: FUNDS
IN THE AMOUNT OF
\$ [REDACTED] ARE
DEOBLIGATED FROM
[REDACTED],
RESULTING IN A
BALANCE OF
\$1 [REDACTED] VIA
MODIFICATION 26.
(OTHER)

100057 Incremental
Funding in the
amount of
[REDACTED] for CLIN
1000 and TI-01.
NOTE: FUNDS IN
THE AMOUNT OF
[REDACTED] ARE
DEOBLIGATED FROM
[REDACTED],
RESULTING IN A

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BALANCE OF
[REDACTED] VIA
MODIFICATION 26.
(OTHER)

100058 Incremental
Funding in the
amount of \$ [REDACTED] 0
for CLIN 1000 and
TI-06. (RDT&E)

100059 Incremental
Funding in the
amount of [REDACTED]
for CLIN 1000,
TI-06, ACRN: J6.
Note: Mod 17
deobligated
[REDACTED] new
balance is now
\$0.00. (OTHER)

100060 Incremental
Funding in the
amount of [REDACTED]
for CLIN 1000 and
TI-06. (O&MN,N)

100061 Incremental
Funding in the
amount of
[REDACTED] for
CLIN 1000 and
TI-12. (WCF)

100062 Incremental
Funding in the
amount of
[REDACTED] for
CLIN 1000 and
TI-12. (WCF)

100063 Incremental
Funding in the
amount of
\$ [REDACTED] for CLIN
1000 and TI-13.
(OTHER)

100064 Incremental
Funding in the
amount of [REDACTED]
for CLIN 1000 and
TI-12. (O&MN,N)

100065 Incremental
Funding in the
amount of [REDACTED]
for CLIN 1000 and
TI-14 (ACRN L3).
(OTHER)

100066 Incremental
Funding in the
amount of
[REDACTED] for CLIN
1000 and TI-14

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(ACRN L2). NOTE:
Mod 25
deobligated
(██████████) from
██████████ to
\$██████████
(WCF)

100067 Incremental
Funding in the
amount of ██████████0
for CLIN 1000,
TI-06, ACRN L4.
(OTHER)

100068 Incremental
Funding in the
amount of
██████████ for CLIN
1000, TI-06, ACRN
L5.NOTE: FUNDS IN
THE AMOUNT OF
██████████ ARE
DEOBLIGATED FROM
██████████
RESULTING IN A
BALANCE OF
██████████ VIA
MODIFICATION 26.
(WCF)

100069 Incremental
Funding in the
amount of ██████████
for CLIN 1000,
TI-13, ACRN L6.
(WCF)

100070 Incremental
Funding in the
amount of
██████████ for CLIN
1000 in support
of TI-13, ACRN
K1.NOTE: FUNDS IN
THE AMOUNT OF
██████████ ARE
DEOBLIGATED FROM
██████████
██████████ A
BALANCE OF
██████████
██████████ 26.
(OTHER)

For ODC Items:

Item	Supplies/Services	Qty	Unit	Est. Cost
3000	Other Direct Costs (ODCs) required to perform efforts under CLIN 1000 for Base Years 1	1.0	LO	██████████6

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through 5. (TBD)

300001 Incremental
Funding in the
amount of [REDACTED]
for Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-01.
(RDT&E)

300002 Incremental
Funding in the
amount of
[REDACTED] for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-02.
(OTHER)

300003 Incremental
Funding in the
amount of
[REDACTED] 00 for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-02.
(OTHER)

300004 Incremental
Funding in the
amount of
[REDACTED] for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-02.
(OTHER)

300005 Incremental
Funding in the
amount of [REDACTED]
for Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-03.
(OTHER)

300006 Incremental
Funding in the
amount of
[REDACTED] for
Other Direct
Costs (ODCs)
required to

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perform efforts
under CLIN 1000
for TI-03.
(OTHER)

300007 Incremental
Funding in the
amount of
██████████3 for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-03.
(OTHER)

300008 Incremental
Funding in the
amount of
██████████9 for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-03.
(OTHER)

300009 Incremental
Funding in the
amount of
██████████0 for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-03.
(OTHER)

300010 Incremental
Funding in the
amount of
██████████ for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-03.NOTE:
FUNDS IN THE
AMOUNT OF ██████████
ARE DEOBLIGATED
FROM ██████████0,
RESULTING IN A
BALANCE OF \$
██████████ VIA
MODIFICATION 26.
(OTHER)

300011 Incremental
Funding in the
amount of
██████████ for
Other Direct
Costs (ODCs)

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required to
perform efforts
under CLIN 1000
for TI-03.
(OTHER)

300012 Incremental
Funding in the
amount of [REDACTED]
for Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-04. (WCF)

300013 Incremental
Funding in the
amount of
[REDACTED] 4 for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-01.
(OTHER)

300014 Incremental
Funding in the
amount of
\$ [REDACTED] for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-01.
(RDT&E)

300015 Incremental
Funding in the
amount of [REDACTED]
for Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-03.
(OTHER)

300016 Incremental
Funding in the
amount of
[REDACTED] for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-03.
(OTHER)

300017 Incremental
Funding in the
amount of [REDACTED]
for Other Direct

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Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-03.NOTE:
FUNDS IN THE
AMOUNT OF
██████████ ARE
DEOBLIGATED FROM
██████████
RESULTING IN A
BALANCE OF
██████████
██████████ 26.
(WCF)

300018 Incremental
Funding in the
amount of
██████████ for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-05.
(OTHER)

300019 Incremental
Funding in the
amount of
██████████ for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-06.
(OTHER)

300020 Incremental
Funding in the
amount of
██████████ for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-06. (WCF)

300021 Incremental
Funding in the
amount of ██████████
for Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-06. (WCF)

300022 Incremental
Funding in the
amount of ██████████
for Other Direct
Costs (ODCs)
required to

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perform efforts
under CLIN 1000
for TI-06. (WCF)

300023 Incremental
Funding in the
amount of [REDACTED]
for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-06. (WCF)

300024 Incremental
Funding in the
amount of [REDACTED]
for Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-06. (WCF)

300025 Incremental
Funding in the
amount of [REDACTED]
for Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-06. (WCF)

300026 Incremental
Funding in the
amount of [REDACTED]
for Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-06. (WCF)

300027 Incremental
Funding in the
amount of
[REDACTED]0 for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-06.
(OTHER)

300028 Incremental
Funding in the
amount of
[REDACTED] for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-06.

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(OTHER)

300029 Incremental
Funding in the
amount of [REDACTED]
for Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-06. (TBD)

300030 Incremental
Funding in the
amount of
\$ [REDACTED] for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-06. (TBD)

300031 Incremental
Funding in the
amount of
[REDACTED] for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-06. (WCF)

300032 Incremental
Funding in the
amount of
[REDACTED] for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-06. (WCF)

300033 Incremental
Funding in the
amount of
\$ [REDACTED] for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-07.NOTE:
FUNDS IN THE
AMOUNT OF
[REDACTED] 8 ARE
DEOBLIGATED FROM
[REDACTED],
RESULTING IN A
BALANCE OF
[REDACTED]
[REDACTED] 26.
(OTHER)

300034 Incremental

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Funding in the amount of \$ [REDACTED] for Other Direct Costs (ODCs) required to perform efforts under CLIN 1000 for TI-03. (OTHER)

300035 Incremental Funding in the amount of [REDACTED] 8 for Other Direct Costs (ODCs) required to perform efforts under CLIN 1000 for TI-03. (OTHER)

300036 Incremental Funding in the amount of [REDACTED] for Other Direct Costs (ODCs) required to perform efforts under CLIN 1000 for TI-06. (WCF)

300037 Incremental Funding in the amount of [REDACTED] for Other Direct Costs (ODCs) required to perform efforts under CLIN 1000 for TI-03. (WCF)

300038 Incremental Funding in the amount of [REDACTED] for Other Direct Costs (ODCs) required to perform efforts under CLIN 1000 for TI-08. NOTE: FUNDS IN THE AMOUNT OF [REDACTED] ARE DEOBLIGATED FROM [REDACTED] 0, RESULTING IN A BALANCE OF \$ [REDACTED] VIA MODIFICATION 26. (OTHER)

300039 Incremental Funding in the amount of

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[REDACTED] 0 for
 Other Direct
 Costs (ODCs)
 required to
 perform efforts
 under CLIN 1000
 for TI-11.
 (OTHER)

300040 Incremental
 Funding in the
 amount of
 \$ [REDACTED] for
 Other Direct
 Costs (ODCs)
 required to
 perform efforts
 under CLIN 1000
 for TI-10. NOTE:
 FUNDS IN THE
 AMOUNT OF
 [REDACTED] ARE
 DEOBLIGATED FROM
 [REDACTED]
 RESULTING IN A
 BALANCE OF
 [REDACTED] VIA
 MODIFICATION 26.
 (OTHER)

300041 Incremental
 Funding in the
 amount of
 [REDACTED] for
 Other Direct
 Costs (ODCs)
 required to
 perform efforts
 under CLIN 1000
 for TI-06.
 (OTHER)

300042 Incremental
 Funding in the
 amount of [REDACTED]
 for Other Direct
 Costs (ODCs)
 required to
 perform efforts
 under CLIN 1000
 for TI-06.
 (OTHER)

300043 Incremental
 Funding in the
 amount of [REDACTED]
 for Other Direct
 Costs (ODCs)
 required to
 perform efforts
 under CLIN 1000
 for TI-11. (WCF)

300044 Incremental
 Funding in the
 amount of \$ [REDACTED]
 for Other Direct

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Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-11.NOTE:
FUNDS IN THE
AMOUNT OF
██████████6 ARE
DEOBLIGATED FROM
██████████
RESULTING IN A
BALANCE OF
██████████ VIA
MODIFICATION 26.
(WCF)

300045 Incremental
Funding in the
amount of \$██████████
for Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-03.
(RDT&E)

300046 Incremental
Funding in the
amount of
██████████0 for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-03.
(OTHER)

300047 Incremental
Funding in the
amount of ██████████
for Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-03.
(OTHER)

300048 Incremental
Funding in the
amount of
██████████ for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-03.
(OTHER)

300049 Incremental
Funding in the
amount of
██████████ for
Other Direct

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Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-03.
(OTHER)

300050 Incremental
Funding in the
amount of [REDACTED]
for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-03.NOTE:
FUNDS IN THE
AMOUNT OF [REDACTED]
ARE DEOBLIGATED
FROM [REDACTED]
RESULTING IN A
BALANCE OF
[REDACTED] VIA
MODIFICATION 26.
(OTHER)

300051 Incremental
Funding in the
amount of [REDACTED]
for Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-01. (WCF)

300052 Incremental
Funding in the
amount of [REDACTED]
for Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-09.NOTE:
FUNDS IN THE
AMOUNT OF
\$ [REDACTED] ARE
DEOBLIGATED FROM
[REDACTED]
RESULTING IN A
BALANCE OF
[REDACTED] VIA
MODIFICATION 26.
(OTHER)

300053 Incremental
Funding in the
amount of
[REDACTED] for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-06.

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(OTHER)

300054 Incremental
Funding in the
amount of [REDACTED]
[REDACTED] 79 for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-02.NOTE:
FUNDS IN THE
AMOUNT OF
[REDACTED] ARE
DEOBLIGATED FROM
[REDACTED],
RESULTING IN A
BALANCE OF
[REDACTED] VIA
MODIFICATION 26.
(OTHER)

300055 Incremental
Funding in the
amount of [REDACTED]
for Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-04.
(OTHER)

300056 Incremental
Funding in the
amount of [REDACTED]
[REDACTED] for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-01.
(RDT&E)

300057 Incremental
Funding in the
amount of [REDACTED]
[REDACTED] for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-01.NOTE:
FUNDS IN THE
AMOUNT OF \$162.65
ARE DEOBLIGATED
FROM [REDACTED]
RESULTING IN A
BALANCE OF
[REDACTED] VIA
MODIFICATION 26.
(OTHER)

300058 Incremental

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Funding in the amount of [REDACTED] for Other Direct Costs (ODCs) required to perform efforts under CLIN 1000 for TI-06. (WCF)

300059 Incremental Funding in the amount of [REDACTED] for Other Direct Costs (ODCs) required to perform efforts under CLIN 1000, TI-06, ACRN J6. Note: Mod 17 deobligated [REDACTED] balance is now \$0.00. (OTHER)

300060 Incremental Funding in the amount of [REDACTED] 0 for Other Direct Costs (ODCs) required to perform efforts under CLIN 1000 for TI-06. (WCF)

300061 Incremental Funding in the amount of [REDACTED] for Other Direct Costs (ODCs) required to perform efforts under CLIN 1000 for TI-06. (WCF)

300062 Incremental Funding in the amount of [REDACTED] 0 for Other Direct Costs (ODCs) required to perform efforts under CLIN 1000 for TI-06. NOTE: FUNDS IN THE AMOUNT OF [REDACTED] 29 ARE DEOBLIGATED FROM [REDACTED], RESULTING IN A BALANCE OF [REDACTED] VIA MODIFICATION 26. (OTHER)

300063 Incremental Funding in the

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amount of
[REDACTED] for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-12. (WCF)

300064 Incremental
Funding in the
amount of [REDACTED]
for Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-12. (WCF)

300065 Incremental
Funding in the
amount of
[REDACTED] 0 for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-13. Note:
Mod 21
deobligated
\$ [REDACTED] 5 from
SLIN 300065.
Original
obligated amount
was [REDACTED]
Revised obligated
amount is
\$536,705. (OTHER)

300066 Incremental
Funding in the
amount of
[REDACTED] for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-03.NOTE:
FUNDS IN THE
AMOUNT OF
[REDACTED] ARE
DEOBLIGATED FROM
[REDACTED],
RESULTING IN A
BALANCE OF
[REDACTED] VIA
MODIFICATION 26.
(OTHER)

300067 Incremental
Funding in the
amount of
[REDACTED] for
Other Direct
Costs (ODCs)

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required to
perform efforts
under CLIN 1000
for TI-03.NOTE:
FUNDS IN THE
AMOUNT OF [REDACTED]
ARE DEOBLIGATED
FROM \$450,000.00,
RESULTING IN A
BALANCE OF
[REDACTED] VIA
MODIFICATION 26.
(OTHER)

300068 Incremental
Funding in the
amount of [REDACTED]
for Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-12. (WCF)

300069 Incremental
Funding in the
amount of
[REDACTED] for
Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-12. (WCF)

300070 Incremental
Funding in the
amount of [REDACTED]
for Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000
for TI-14. (WCF)

300071 Incremental
Funding in the
amount of [REDACTED]
for Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000,
TI-06, ACRN L4.
(OTHER)

300072 Incremental
Funding in the
amount of \$ [REDACTED]
for Other Direct
Costs (ODCs)
required to
perform efforts
under CLIN 1000,
TI-12, ACRN
L5.NOTE: FUNDS IN
THE AMOUNT OF

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██████████ ARE
DEOBLIGATED FROM
██████████
RESULTING IN A
BALANCE OF
\$58,425.39 VIA
MODIFICATION 26.
(WCF)

The POC for this modification is:

Mr. Don Feaster
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Facsimile: (812) 854-3184
Email: donald.feaster@navy.mil

or alternate:

Mr. Rick McGarvey
Telephone: (812) 854-3680
Email: richard.mcgarvey@navy.mil

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SECTION C DESCRIPTIONS AND SPECIFICATIONS

SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

PERFORMANCE BASED WORK STATEMENT (PBWS)

FOR

PROFESSIONAL ENGINEERING,
TECHNICAL AND MANAGEMENT SUPPORT SERVICES

TYPE V

CRANE DIVISION
NAVAL SURFACE WARFARE CENTER (NSWC)
CRANE IN 47522-5001

PREPARED BY: CODE 053

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- 7.0 PERFORMANCE CRITERIA

1.0 SCOPE. This Performance Based Work Statement (PBWS) sets forth the requirements for non-personal professional engineering, technical and management support services in the areas of engineering and technical support services, scientific/engineering analysis and studies, test and evaluation, technical data support, field engineering, integrated logistics support, configuration management, management support services, and data management support. These services are in support of a wide variety of systems discussed below, as well as overall management support services performed in support of tasks managed by Naval Surface Warfare Center, Crane Division, Program Manager Code PM10, Ordnance Engineering Department.

1.1 BACKGROUND. CRANE PM10 is a component of the Naval Surface Warfare Center (NSWC), Crane Division, Naval Sea Systems Command (NAVSEA). PM10's mission is to provide the Military with Rapid Deployment Capability for emerging Technology and urgent Fleet needs. This is accomplished through the following program elements:

- Engineering Analysis
- Aircraft System Integration
- Spiral Development
- Prototype Development
- Software / Hardware Design and Fabrication
- Operational Assessment and Testing
- Integrated Logistics Support (ILS)
- Interim Depot / Performance Based Logistics
- Acquisition support

While PM10 performs a broad range of tasks for military programs, its primary missions are associated with PMA-299's Multi-Mission Helicopters (MH-60R / MH-60S) and PMA-260's Common Support Equipment Division. The main assets and programs supported include, but are not limited to:

1.1.1 MH-60R & MH-60S Multi-Mission Helicopter Programs. Code PM-10 is designated as the Legacy Armed Helo (AH) IPT Lead for NAVAIR. The AH IPT Lead managed all aspects of design, integration, fabrication, logistics, repair support and testing of new weapon systems on the HH-60 H and SH-60B helicopter platforms. NAVAIR has tasked the PM10 organization to provide support to the MH-60R and MH-60S efforts in the area of Engineering, Logistics, Integration, and Lab/Ground/Flight Test support. PM10 has developed the Programmable Interface Unit (IUADP J-6594/A) for use on the Navy's H-60 family of helicopters. This electronic device provides compatible interface between external stores, weapons systems and aircraft control devices. Its ability to distribute the I/O to the point of use eliminates the requirement to reprogram the on-board mission computer and significantly reduces aircraft wiring and weight. The PIU readily accommodates COTS systems, other military systems and represents a cost effective approach for upgrading Legacy systems and supports open architecture capabilities on military aircraft.

1.1.2 AN/AWM-103 Stores Management Subsystem Test Set (SMSTS). Crane Code PM-10 is designated as the lead Design and Development activity for the AN/AWM-103 Stores Management Subsystem Test Set (SMSTS). The AN/AWM-103 is a release and control test set used for pre-flight operational checks of various missile and ordnance launch interfaces on aircraft both ashore and afloat. The AN/AWM-103 is a Spiral Development program that includes the United States Navy (USN), Royal Australian Air Force (RAAF), Italian Air Force (IAF), Finnish Air Force (FAF), Canadian Air Force (CAF), Swiss Air Force (SAF), and Spanish Air Force (SAF).

1.1.3 Launcher Test Stand (LTS). Crane Code PM-10 is designated as the Armed Helo IPT Lead for NAVAIR. This designation includes aircraft test instrumentation and the development of special test equipment for operational aircraft systems and armament/ordnance testing. The LTS was developed for the US Army for M299 HELLFIRE Launcher testing as well as the M36 training missile.

1.1.4 AN/ALQ-99 Tactical Jamming System Pod. PM10 has been tasked to support integration of the AN/ALQ-99 Tactical Jamming System Pod on the EA-18G Prowler. The PM10 designed IUADP will be modified to provide point-of-use distributed I/O in the ALQ-99 Pod. Tasking requires modification of the IUADP circuit cards, definition and development of the necessary interfaces, upgrading the software, and producing Pod Interface Unit Prototypes.

1.1.5 ALKAN Bomb Rack. Code PM-10 is designated as the Armed Helo IPT Lead for NAVAIR. This designation includes integration support for the MH-60S Multi-Mission Naval Helicopter. The Alkan 1216 Ejector Rack Unit and AN/AAS-44A FLIR System have been identified for inclusion in the Block 3A RME Integration. PM10 supports the modification and integration of the Alkan 1216 Ejector Rack Unit and the AN/AAS-44A FLIR System for use on the US Navy MH-60S Armed Helicopter.

1.1.6 Armored Flooring and Crew Served Weapons. As the Armed Helo IPT Lead for NAVAIR, Crane PM10 is responsible for integration of Armored Flooring and Crew Served Weapons on the MH-60S Multi-Mission Naval Helicopter. PM10 provides engineering and technical services to support integrating mission equipment needed for tactical situations involving small arms. Specifically PM10 performs the modification and integration of floor armor to provide protection from small arms ballistics based on similar equipment on US Army Helicopters and the integration of the existing A/A49E-14 H60 .50 caliber adapter assembly.

1.1.7 MQ-1 PREDATOR Unmanned Aerial Vehicle. Crane Code PM-10 provides Software and Integration support to the US Air Force ensuring that the AWM-101A is capable of testing pre-flight weapons release and controls for the HELLFIRE missile.

1.1.8 MK-III Rocket Launcher Test Set. Crane PM-10 provides aircraft test instrumentation for operational aircraft systems and armament/ordnance testing. The MK-III Rocket Launcher Test Set is used for O and I Level maintenance in support of the F-18, AH-1, and AV-8B for the US Marine Corps. Code PM-10 is responsible for supporting the Depot Level repair of the MK-III Rocket Launcher Test Set, which verifies the functionality of the aircraft missile control signals, the material condition of the launcher, and fault isolation to the Line Replaceable Unit (LRU) within the launcher.

1.1.9 Performance Based Logistics Program. NSWC Crane, PM10 has established an Organic Performance Based Logistics (PBL-O), agreement between Naval Surface Warfare Center (NSWC, Crane), Crane Division, Crane IN and the Naval Inventory Control Point (NAVICP), Philadelphia, PA, in the area of Supply Support for the AN/AWM-103 Stores Management Subassembly Test Set. Under the PBL-O agreement, NSWC Crane, will function as the Navy's Logistics Support activity for material applicable to the AWM-103. The NSWC Crane shall perform all routine inventory management functions for ready for issue/not ready for issue equipments and components including receiving, shipping, tracking, warehousing, disposal (as directed by NAVICP), reporting and scheduling. As such, NSWC Crane shall project requirements, make repair, procurement or reclamation decisions, process requisitions, procure and store long lead-time materials, warehouse material and ship materials to end-users. This PBL-O agreement will include support for all of the AWM-103 at shore sites and onboard US Navy ships. A similar PBL-O will be developed to support the IUADP program.

1.1.10 Government Furnished Equipment (GFE) Kitting. Crane PM-10 has been designated as the GFE Kitting facility for the MH-60R and MH-60S Multi-Mission Helicopter. PM10 serves as the central receiving activity for all MH-60R and MH-60S GFE and tasking involves, but is not limited to: receiving, storing, packaging, shipping, and inventory management of the GFE. The Contractor shall also provide the necessary facilities, equipment, personnel, and materials for the performance of the above program elements. Contractor personnel will have access to classified equipment and information, with the potential of being exposed at the Secret level. These tasks may require the contractor to travel to test and manufacturing locations and to meetings, presentations, and conferences.

1.2 QUALITY ASSURANCE. The Government will monitor the Contractor's contract work performance under this PBWS by requiring progress reports, conducting on-site inspections and inspecting contract deliverables for compliance to Task Order (TO), Task Order Modification (TO Mod) and/or Technical Instruction (TI) requirements.

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

1.4 ALTERNATE FACILITY PLAN. None required on this TO.

1.5 CONTRACTOR PERSONNEL REQUIREMENTS. Contractor personnel requirements as specified in this TO are delineated by labor classification. Personnel requirements at the various locations may fluctuate depending upon the requirements of the tasks assigned by TO Mod and/or TI.

1.5.1 Program Management. The Contractor shall provide a plan 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 TO Mod and/or TI issued under this TO. As a minimum the following elements shall be addressed in the Contractor's reports:

- a. Description of the progress made against milestones on current TO and/or TO Mod.
- b. Problem areas affecting technical or scheduling elements with background and any 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. Cost reports will be provided for each TO and/or TO Mod.

1.5.2 Other Personnel Requirements. The Contractor shall furnish all qualified personnel at the Contractor's liaison facility, Contractor's satellite office, Government facilities, and at other locations to accomplish the work requirements specified in the PBWS. Specific Contractor personnel requirements for each of the various locations may fluctuate depending upon the tasks assigned by individual TO Mod, TI and/or Travel Authorization (TA).

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1.5.3 Control of Contractor Personnel. The Contractor shall comply with PM10, Crane Division, NSWC security regulations NAVSURFWARCENDIVINST 5510.1 and NSACRANEINST 5530.1. All persons engaged in work while on Government property shall be subject to search of their persons (no bodily search) and vehicles at any time by the Government, and shall report any known or suspected security violations to the PM10, NSWC, 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 TO. 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 TO start-date.

1.5.3.1 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 forty-eight (48) hours following the completion of the contract, relocation or termination of an employee issued an identification badge, or upon request by the KO.

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

1.5.3.3 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.

1.5.3.4 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 PBWS and in DoDD 5220.22, OPNAVINST 5239.1, NAVSURFWARCENDIVINST 5510.1 and NSACRANEINST 5530.1. Contractor personnel will have access to classified equipment and information, with the potential of being exposed to Secret information.

1.5.3.5 Disclosure of Information. Contractor employees shall not discuss or disclose any 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 TO, TO Mod and/or TI or authorized Government investigative personnel. For those individuals working with proprietary information, the Contractor shall provide one (1) copy of the employee-signed Non-Disclosure Agreement/Statement to the KO prior to performing any work on this TO. The KO will retain one copy for the TO file.

1.5.3.6 Security Clearances. The Contractor shall conform to the provisions of DoDD 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. Security clearances will be provided to PM10, NSWC Crane on all employees requiring access to classified information.

1.6. 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).

1.6.1 Contractor Satellite Facility. The Contractor shall establish, staff and maintain a satellite facility(s) for the performance of the majority of work requirements specified in this TO. 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 majority of the core working hours of 0730 to 1600. Facilities are required for the following: (a) performance of systems integration; (b) performance of prototype/refurbish and/or repair, renovation and/or recondition; (c) Advanced Helicopter systems prototype design, test and validation; and (d) cable manufacturing/repair.

1.6.1.1 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. The Contractor shall provide a safe and accessible working environment for Government personnel within the Contractor's facility(s). 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 KO 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.

1.6.1.2 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.

1.6.1.3 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 **COR/ACOR** and/or KO any bodily injury, death, damage to Government property resulting from the activities of the contractor, his agents and/or employees, IAW NAVSURFWARCENDIV CRANE INSTRUCTION 11240.1 or most recent instruction, and NAVFAC P300. Appropriate forms shall be prepared for each reportable accident IAW NAVSURFWARCENDIV CRANE INSTRUCTION 11240.1 or most recent instruction and NAVFAC P300 and applicable supplements.

1.6.1.4 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 **COR/ACOR** and/or KO, as prescribed by OPNAVINST 5102.1.

1.6.1.5 Damage Reporting. The Contractor shall maintain an accurate record of and shall report to the **COR/ACOR** or KO all damages to Government Furnished Equipment and Facilities as prescribed by OPNAVINST 5102.1 and NAVWPNSUPCENINST 4730.4.

1.6.1.6 Smoking Regulations. Smoking on PM10, 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.

1.6.1.7 Coffee Messes. The establishment and upkeep of coffee messes must have individual authorization and approval in accordance with NAVWPNSUPCENINST 6200.1.

1.6.1.8 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 NAVWPNSUPCENINST 11300.1.

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

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

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

1.7 PHYSICAL SECURITY. The Contractor shall be responsible for safeguarding all Government property provided for contractor use in accordance with DoDD 5220.22, NAVSURFWARCENDIVINST 5510.1 and NSACRANEINST 5530.1. At the close of each work day, Government facilities, equipment and materials shall be secured.

1.8 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: 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.

1.9 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.

1.9.1 Work Hours. The Contractor's hours of operation will be provided on each individual TO Mod (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 Mod.

1.9.1.1 Flexitime. The Contractor shall be permitted to utilize a Flexitime schedule for their employees working on Crane Division, PM10 efforts. A Flexitime schedule allows a starting time between the hours of 0630 and 0900; with a quitting time eight and one-half hours after the clock-in time (1500 to 1730) (see specification on each TO Mod). 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 1.12.8; 1.13; of any permanent or temporary exceptions.

1.9.1.2 Compressed Work Schedule. The contractor shall be permitted to utilize a compressed work schedule for their employees working on NSWC Crane, PM10 efforts. A compressed work schedule allows a starting time between the hours of 0600 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

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workdays (nine hours per day) during a biweekly pay period and for one eight hour day during the same biweekly pay period. The contractor's full-time employee is required to work 80 hours in a biweekly pay period and this work must be scheduled for fewer than 10 days in a biweekly pay period. In some cases, a contractor employee may be required to remain on a non-compressed work schedule or to adjust contractor employee work hours (arrival and departure time) to accommodate the needs of the organization that they support. The contractor may be required to respond to an emergency requirement and work outside of regular working hours to perform the work. Exceptions to the compressed schedule may exist and the contractor will be notified by the **COR/ACOR** of any permanent or temporary exceptions. 1.9.2.1 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.

1.9.2.2 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. The table below indicates the current holidays observed by Crane.

New Year's Day	Birthday of Martin Luther King Jr.
Washington's Birthday	Memorial Day
Independence Day	Labor Day
Columbus Day	Veterans Day
Thanksgiving Day	Christmas Day

1.10 TRAVEL REQUIREMENTS. The Contractor may be required to travel throughout the continental United States (CONUS) and to locations outside of CONUS. All travel requests for contractor's travel will be approved by **COR/ACOR** approved TI.

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

1.10.2 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 **COR/ACOR** for appropriate action.

1.10.3 Boarding Authorization. The **COR/ACOR** shall provide boarding authorization to Contractor personnel required to perform work on any United States Navy vessel or aircraft, from the Commanding Officer prior to entering the ship or aircraft.

1.11 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 and/or 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 2000
- c. Microsoft Excel 2000
- d. Microsoft PowerPoint 2000
- e. Microsoft Access 2000
- f. Microsoft Outlook 2000
- g. Microsoft Project 2000
- h. Microsoft SQL Server 7
- i. Microsoft SQL Server 2000
- 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 Mod and/or TI. 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

1.12 DEFINITIONS. The following definitions apply for the types of support required by this PBWS.

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

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

1.12.2 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.

1.12.3 Compatible. The interchangeability of data files, i.e., the Government will be able to "read" (on Government equipment) the Contractor's data files.

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

1.12.5 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.

1.12.6 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

1.12.7 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.

1.12.8 Contracting Officer's Representative (COR)/Alternate Contracting Officer's Representative (ACOR). An individual appointed in the contract who functions as the technical representative of the Procuring Contracting Officer (PCO) in the administration of a specific contract. **COR/ACOR** duties may include assuring quality; providing technical direction with respect to the specification or PBWS; monitoring the progress, effectiveness and quality of Contractor performance; or assisting the PCO, the Contract Administration Officer (CAO) or the Ordering Officer in areas where technical expertise is required. The **COR/ACOR**'s specific duties will be identified in the contract administration plans.

1.12.9 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.

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

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

1.12.12 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.

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

1.12.14 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.

1.12.15 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.

1.12.16 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.

1.12.17 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.

1.12.18 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.

1.12.19 Performance Based Work Statement (PBWS). 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.

1.12.20 Supply Support. All functions and management actions necessary for determining requirements for acquiring, cataloging packaging, preserving, receiving, storing, transferring, issuing and disposing of spares, repair parts, bulk materials, consumables, clothing, food and fuel.

1.12.21 Technical Data Package. A technical description of an item adequate for supporting an acquisition strategy for 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.

1.12.22 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.

1.13 ACRONYMS. The following is a list of acronyms used in this PBWS.

ACOR	Alternate Contracting Officer's Representative
ADP	Automated Data Processing
AEL	Allowance Equipment List
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
COR	Contracting Officer's Representative
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

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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
MOD	Modification
MTBF	Mean Time Between Failure
NAVFAC	Naval Facility Engineering Command
NAVICP	Naval Inventory Control Point
NAVOSH	Navy Occupational Safety and Health
NAVSEA	Naval Sea Systems Command
NAVSURFWARCEN	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
PBWS	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	Reparable Items Lists
RSS&I	Receipt, Segregate, Store and Issue
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
TA	Travel Authorization
TECHEVAL	Technical Evaluation
TEMP	Test and Evaluation Master Plan
TD	Technical Directive
TI	Technical Instruction
TO	Task Order
TO Mod	Task Order Modification
TRR	Test Readiness Review
WBS	Work Breakdown Structure

1.14 GOVERNMENT FURNISHED PROPERTY (GFP). The Contractor will be provided Government property necessary to perform tasks stated in Section 3.0 of this PBWS. This shall include, but not be limited to, personal computers/printers with PBWS-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 **COR/ACOR**-approved Government issued property pass prior to taking off Center.

1.15 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 Mod, TI and/or TA, 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 PBWS. 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 NAVSURFWARCENDIVCRANE INSTRUCTION 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 NAVSURFWARCENDIVCRANE INSTRUCTION 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 NAVSURFWARCENDIVCRANE INSTRUCTION 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 NAVSURFWARCENDIVCRANE INSTRUCTION 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, or as otherwise specified by the TO, TO Mod and/or TI form a part of this PBWS to the extent described herein. In the event of conflict between the documents referenced herein and the contents of this PBWS, the contents of this PBWS shall prevail. The Contractor shall

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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.

2.1 SPECIFICATIONS.

MIL-D-81992B Directives, Technical: Preparation of
MIL-M-9868D (2) Microfilming of Engineering Data, 35mm, Requirements for
MIL-F-17655 Field Changes and Field Change Kits; General Specification For
MIL-STD-961 Specifications, Types, and Forms
MIL-Q-9858A Quality Program Requirements
MIL-STD-2039 Field Changes and Field Change Kits; General Specifications for
MIL-H-46855 Human Engineering Requirements For Military Systems, Equipment, and Facilities
MIL-S-83490 Specifications, Types and Forms; NAVSEA
MIL-I-45208 Inspection System Requirements

2.2 STANDARDS.

DOD-STD-100D Engineering Drawing Practices
DOD-STD-480 Configuration Control - Engineering Changes, Deviations and Waivers
DOD-STD-973 Configuration Control- Engineering Changes, Deviations, & Waivers
DOD-STD-2101 Classification of Characteristics
IEEEEC63.14 Definitions and System of Units, Electromagnetic Interference Technology
MIL-STD-129N Marking for Shipment and Storage
MIL-STD-781 Reliability Testing for Engineering Development, Qualification, and Production
MIL STD-785 Reliability Program for Systems and Equipment Development and Production
MIL-STD-973 Technical Reviews and Audits for Systems, Equipment and Computer Software
MIL-STD-1472F Human Engineering Design Criteria for Military Systems, Equipment and Facilities
MIL-STD-1561B Provisioning procedures, Uniform DoD
MIL-STD-461E Electromagnetic Emission and Susceptibility Requirements for the Control of Electromagnetic Interference
MIL-STD-469B Radar Engineering Design Requirements Electromagnet Compatibility
MIL-STD-470B Maintainability Program Requirements (for Systems & Equipment)
MIL-STD-481 Configuration Control - Engineering Changes, Deviations and Waivers
MIL-STD-1629 Procedures for Performing a Failure Mode Effects and Criticality Analysis
MIL-STD-462 Measurement of Electromagnetic Interference Characteristics
MIL-STD-463 Definitions and System of Units, Electromagnetic Interference and Electromagnetic Compatibility Technology
MIL-STD-1604 Technical and Maintenance Overhaul and Repair Standards, Preparation of
MIL-STD-2111 Technical Repair Standards - Electronic Repairables, Preparation of
MIL-STD-490 Specification Practices
MIL-STD-882D System Safety Program Requirements
MIL-STD-961 Specification Practices
MIL-STD-1388-1,2 Logistic Support Analysis
MIL-STD-1390 Level of Repair Analysis (LORA)
MIL-I-45208 Inspection System Requirements
MIL-STD-1367 Packaging, Handling, Storage, and Transportability Program Requirements for Systems and Equipments
DOD-STD-1768 Development of Depot Technical Data, Procedures for
DoD 5220.22-M National Industrial Security Program Operating Manual
MIL-STD-881 Work Breakdown Structures for Defense Materiel Items
MIL STD 482 Configuration Status Accounting Data Elements and Related Features
MIL-STD-1521 Technical Reviews and Audits for Systems, Equipments, and Computer Software
MIL-STD-483 Configuration Management Practices for Systems, Equipment, Munitions, and Computer programs
MIL-STD-1456 Contractor Configuration Management Plans
MIL-T-24742 (SH) Technical Repair Standards - Electronic (2Z/4G/6G/7Z/7G Repairables)
MIL-STD-471 Maintainability, Verification, Demonstration, and Evaluation

2.3 OTHER PUBLICATIONS AND REGULATIONS.

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29 CFR 1910.1200 OSHA Hazard Communication Standard

40 CFR Protection of the Environment

49 CFR 173.2 Forbidden Material and Packages

AL-082AA-LPS-080 Naval Air Systems Command Logistics System Process Specification

ANSI Y14.5M-94 Dimensioning and Tolerancing

ANSI Z39.18-95 Scientific and Technical Reports - Organization, Preparation and Production

CABO A117.1 Building and Facilities, Providing Accessibility and Usability for Physically Handicapped People

JTR Joint Travel Regulations (Civilian)

MIL-HDBK-1008C Fire Protection for Facilities Engineering, Design and Construction

MIL-HDBK-217F Reliability of Prediction of Electronic Equipment

MIL-HDBK-235-1 B Electromagnetic (Radiated) Environmental Considerations for Design Parts 1 and 2 and Procurement of Electrical and Electronic Equipment, Subsystems and Systems

MIL-HDBK-237C Electromagnetic Environmental Effects and Spectrum Certification Guidance for the Acquisition Process

MIL-HDBK-245D Preparation of Statement of Work

MIL-HDBK-259 Life Cycle Cost in Navy Acquisitions

MIL-HDBK-472, Notice 1 Maintainability Prediction

MIL-PRF-49506 Logistics Management Information

NAVFAC 11320.22 Naval Shore Establishment Fire Protection/Prevention Program

NAVFAC P-442 Economic Analysis Handbook

NAVFAC P-80 Facility Planning Factors for Naval Shore Activities

NAVSUP Pub 506 Information Processing Standards

SSP17720-4B Reporting Requirements for SSP Contracts and Cost Schedule Control Systems Criteria

3.0 REQUIREMENTS. Work to be performed, required data deliverables, and applicable governing documents shall be specifically described in TO, TO Mod and/or TI to be placed against the contract by the KO and shall be within the parameters of one or more of the general tasks listed below. As required by TO, TO Mod and/or TI, the Contractor shall furnish all labor, facilities, material, and equipment except for that material, facilities, and equipment to be provided by the Government as Government Furnished Information (GFI), Government Furnished Material (GFM), Government Furnished Property (GFP), and Government Furnished Equipment (GFE). The Contractor shall collect, analyze, assess, prepare, review, recommend, evaluate, develop, inspect, validate, and deliver data as required by TO, TO Mod and/or TI. The Contractor shall prototype, prepare for modification and installation, modify, install, test, and monitor systems, subsystems, equipment and components as required by TO, TO Mod and/or TI. The Contractor shall assess problems, recommend corrective actions, make repairs, and test and monitor in accordance with TO, TO Mod and/or TI. The Contractor shall provide microfilming, digital scanning, security and graphic arts services as required by TO, TO Mod and/or TI. The Contractor shall prepare documentation and perform software development, and maintenance training in the area of Life Cycle Management (LCM) for computer Automated Information System (AIS).

3.1 ENGINEERING AND TECHNICAL SUPPORT SERVICES. As specified by TO, TO Mod and/or 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 PM10 related systems, subsystems, equipment and components. These tasks include, but are not limited to: MH-60R & MH-60S Multi-Mission Helicopters, Programmable Interface Unit (IUADP J-6594/A), AWM-103 Stores Management Subsystem Test Set (SMSTS), Launcher Test Stand (LTS), Common Rack and Launcher Test Set (CRALTS A/E 37T-35), AWM-101A O-Level Release and Control Test Set, MKIII Rocket Launcher Test Set, Pod Interface Unit (PIU) for the AN/ALQ-99 Tactical Jamming System Pod, MQ-1 PREDATOR Unmanned Aerial Vehicle, ALKAN 1216 Ejector Rack Unit, M-299 HELLFIRE Launcher Unit, M272 Launcher Assembly, AN/AAS-44A FLIR System, and Small Arms Ballistic Protection Devices. Engineering support requires prototype design; prototype, developmental, qualification and OPEVAL fabrication and testing, product engineering, ordnance to electronics integration, test fixture design and prototyping, value engineering, systems integration, reverse engineering, safety and failure analysis, demilitarization/ disposal engineering, repairs both at Crane Division and in other locations and other functions as described in NAVSEAINST 5400.57.

3.1.1 Quality Assurance Support. The Contractor shall provide the Quality Assurance services identified in MIL-Q-9858 for requirements and other specifications and standards as may be specified by TO, TO Mod and/or TI (e.g., NAVSEA OD 46574, NAVAIRINST 5400.23, MARINE CORPS ORDER 4855.2, AR 702-4, ISO 9000 and related documents). With respect to 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 Mod and/or TI. The requirements associated with a given TO Mod and/or 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 Mod and/or TI.

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 Mod and/or 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 with MIL-Q-9858 and MIL I-45208 and as required by TO Mod and/or 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 Mod and/or 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 Mod and/or 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 Mod and/or TI, production cost estimate analyses and provide the Government with justification for any recommendations made.

3.1.5 Maintenance Engineering. As specified by TO Mod and/or 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 Mod and/or TI and provide to the Government all justification for any assumptions used.

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3.1.6 Reverse Engineering. As specified by TO Mod and/or TI, the Contractor shall perform reverse engineering on NSWC Crane PM10 and NSWC Crane PM10-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) will be provided by TO Mod and/or TI. As required by the TO Mod and/or 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 Mod and/or TI.

3.1.7 Manufacturing Engineering and Technology Support. As required by TO Mod and/or 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 Mod and/or 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 Mod and/or 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 Mod and/or 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 Mod and/or TI, the Contractor shall 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 Mod and/or 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 PM10 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 Mod and/or 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 Mod and/or 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 Mod or assigned by a TI.

3.1.14 Design Engineering. On NSWC Crane PM10 and NSWC Crane PM10-related systems, subsystems, equipment and components as specified by TO Mod and/or 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 PM10 and NSWC Crane PM10-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 Mod and/or TI. The Contractor shall provide a written evaluation of design or design changes as specified by TO Mod and/or TI, along with the rationale after completing the analysis.

3.1.16 Production Engineering Support and Evaluation. The Contractor shall ensure that sufficient data has been generated for systems, subsystems, equipment and component reproducibility, shall perform production related engineering tasks, and shall evaluate system, subsystem, equipment and component manufacturing proposals in accordance with specifications delineated in the TO Mod and/or 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 proprietary 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 Mod and/or TI.

3.1.18 In-Service Engineering. As required by TO Mod and/or 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 perform analyses to determine causes of defects and malfunctions. The Contractor shall review or prepare corrective action plans to return the PM10 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 Mod and/or 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 Mod and/or TI. Presentation will be in electronic format accessible to Government personnel as requested in the TO Mod and/or TI.

3.2 SCIENTIFIC/ENGINEERING ANALYSES AND STUDIES. As specified by TO Mod and/or 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 Mod and/or TI, the Contractor shall construct, modify and/or perform statistical/analytical investigations of and with

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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 Mod and/or TI, and in accordance with Government furnished information.

3.2.2 Engineering Investigations. As specified by TO Mod and/or 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 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 Mod and/or 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 Mod and/or TI.

3.2.3 Manufacturing Engineering Analyses. As specified by TO Mod and/or 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 Mod and/or 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 Mod and/or 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 Mod and/or TI. If such systems do not meet TO Mod and/or TI requirements, the Contractor shall recommend changes or improvements to these systems for Government consideration.

3.2.6 Reliability. As described in the TO Mod and/or 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 to a tailored Task 203. Work regarding reliability shall be performed as specified by the TO Mod and/or 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 Mod and/or TI. Their tasks involve:

- a. Generation of Maintainability Program Plans
- b. Formulation of Maintainability Predictions
- c. Maintainability Analyses to include maintenance concepts, preventive maintenance studies, personnel and facility constraints identification, and evaluation of equipment troubleshooting techniques and
- 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 Mod and/or 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 Mod and/or 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 Mod and/or 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 Mod and/or 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 exercises. 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 Mod and/or 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 Mod and/or 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 Mod and/or 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 Mod and/or TI. The Contractor shall provide reports to the Government with supporting rationale for any assumptions made during the preparation of these reports. Engineering investigations in this area will require analyses on the following additional topics and items.

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

3.2.13 Environmental Impact Statements. For systems, subsystems, equipment, components and facilities specified by TO Mod and/or 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 Mod and/or TI both locally and at other test sites and locations. As specified by TO Mod and/or 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 Mod and/or TI. As specified by the TO Mod and/or TI, the Contractor shall submit evaluations along with the rationale for these evaluations to the Government.

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3.3.1 Test Plans and Procedures. As specified by TO Mod and/or 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 mod
Production Acceptance Test and Evaluation Plans (PAT&E)	As Specified by TO mod
Quality Evaluation Test Plans	As Specified by TO mod

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 Mod and/or 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 Mod and/or 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:

- Development tests and evaluations (experimental, engineering, and demonstrations)
- Operational tests and evaluations (TECHVAL and OPEVAL)
- Production acceptance tests and evaluations (qualification, production acceptance, environmental stress screening, and factory / Government acceptance)
- Other testing: The Contractor shall formulate recommendations, with justification, to correct any system, subsystem, equipment and component performance, quality, maintenance, or mission impacting

3.3.3 Test Monitoring. As specified by TO Mod and/or 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 Mod and/or 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 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 Mod and/or 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 Mod and/or TI. The Government will provide as GFI change descriptions and drawing originals and sketches of draft versions of the drawings. TO Mod and/or TI 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 Mod and/or TI.

3.4.2 Document Filing, Duplication and Media Transfer. As required by TO Mod and/or TI, the Contractor shall film drawings, 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 Mod and/or 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 Mod and/or 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 them to complete the TO requirements specified in the TO Mod and/or 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.

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 Mod and/or TI. 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 Mod and/or TI.

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

3.4.8 Inspection and Acceptance Criteria Development. The Contractor shall, as specified by TO Mod and/or 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 Mod and/or 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 Mod and/or 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 Mod and/or 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 Mod and/or 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

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and shall document the rationale for all determinations made on the issues listed above or as otherwise listed by the TO Mod and/or 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 Mod and/or TI and provide recommendations and the justification for those recommendations to the Government. For those individuals working with proprietary information, the Contractor shall provide one (1) copy of the employee-signed Non-Disclosure, Statements to the KO prior to performing any work on this TO, TO Mod and/or TI. The KO will retain one copy for the TO file.

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 individual TO Mod and/or TI. The Contractor shall provide these technical repair standards in accordance with MIL-STD-2111, MIL-STD-1604, or as otherwise specified in TO Mod and/or TI. 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 GFI. 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 Mod and/or TI.

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 Mod and/or TI.

3.5.1 On-Site Alterations of Deployed Equipment. As specified in the TO Mod and/or 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 Mod and/or 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 Mod and/or 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 Mod and/or 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 Mod and/or TI for each of the logistic elements as defined in DOD-D-5000.39. The Contractor shall analyze program support requirements to ensure that all requirements for ILS planning and implementation have been adequately addressed, and that planning adequately reflects known operational, design, and support requirements 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 Mod and/or 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 Mod). As specified by the TO Mod and/or 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 Mod and/or 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 Mod and/or 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, subsystems, equipment and components specified by TO Mod and/or 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 Mod and/or 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 (FMECA) 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 Mod and/or TI to ensure their conformance with the requirements of MIL-STD-1390 or as required by TO Mod and/or TI. The method or model used for the LORA shall be specified by TO Mod and/or 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 Mod and/or 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

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

3.6.10 Supply Support. As required by the TO Mod and/or TI, the Contractor shall review and/or produce Provisioning Technical Data (PTD) in accordance with MIL-STD-1388-2 when Automated Data Processing (ADP) stored LSAR data is available, and in accordance with MIL-STD-1561 and MIL-STD-1388-2 when Logistic Support Analysis Record (LSAR) data is manual or incomplete. Such data will include Provisioning Parts Lists (PPL), Design Change Notices (DCN), Long Lead Time Items Lists (LLTIL), Interim Support Items List (ISIL) LSA-036 report, and Repairable Items Lists (RIL). The Contractor shall also produce and update Program Support Data (PSD) sheets in accordance with NAVSUPINST 4420.2 for systems, subsystems, equipment and components specified by TO Mod and/or TI. For these equipments, the Contractor shall make recommendations regarding the range and depth of items to be stocked, as well as their source, maintenance, and recoverability aspects. The Contractor shall review Source, Maintenance, and Recoverability (SM&R) codes for applicability and accuracy in accordance with OPNAVINST 4410.2 and provide the results of that review as annotated list to include supporting information as to any recommended change. The Contractor shall review Allowance Parts List (APL), Allowance Equipage List (AEL), and Allowance Requirements Registers (ARR) and reconcile these with system, subsystem, equipment and component technical data. Updated ALPs and AELs shall be returned to the Government after reconciliation. Interim material support requirements shall be determined. This shall involve utilizing maintenance plans, phased support plans, site/unit activation schedules and weapons systems planning documents to determine or evaluate the support material list, Contractor support, and repair of repairable requirements. The Contractor shall provide additional supply support to maintain, update and/or review existing supply support processes and to alleviate defined deficiencies. This shall include investigations, reviews, and evaluations of parts utilization data, Defense Logistics Support Center screening requirements, improved supply procedures to affect a more efficient system, and inventory control point effectiveness.

3.6.11 Training. As specified by TO Mod and/or 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 Mod and/or TI, and provide instructors for these courses. Training materials may include aids for training such as models, tutorials, displays, brochures, films and books.

3.6.12 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 Mod and/or 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.

3.6.13 Technical Documentation. As specified by TO Mod and/or 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.).

3.6.14 Packaging, Handling, Storage, and Transportation. The Contractor shall perform reviews, analyses, evaluations, and planning for packaging, handling, storage, and transportation considerations in accordance with MIL-STD-1367, MIL-STD-1388-1 and MIL-STD-1388-2, MIL-STD-129, Government furnished information, and as specified by TO Mod and/or TI. Such analyses, reviews, and planning shall consider, but not be limited to, adequacy of levels of protection, preservation, container design, functionality, re-usability, and marking. The Contractor shall conduct analyses in the areas of handling equipment, storage considerations, and transportability issues and make recommendations along with the supporting rationale for those recommendations to the Government.

3.6.15 Manpower and Personnel. As specified by TO Mod and/or 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 Mod and/or TI.

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

3.6.17 Design Interface. The Contractor shall conduct technical assessments of the LSA process for systems, subsystems, equipment and components specified by TO Mod and/or 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.

3.6.18 Integrated Logistic Support Management Team (ILSMT) Support. The Contractor shall provide management and technical services for ILSMT support as specified by TO Mod and/or 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.

3.6.19 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 Mod and/or 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.

3.6.20 Receipt, Segregate, Store and Issue Support (RSS&I). As required by TO Mod and/or TI, the Contractor shall support RSS&I operations to include Fleet support programming support, technical documentation support, Fleet reporting requirements support and training. Deliverables shall be presented as specified in the applicable TO Mod and/or TI.

3.7 CONFIGURATION MANAGEMENT (CM). The Contractor shall develop specific elements of configuration management as specified by TO Mod and/or 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 Mod and/or TI.

3.7.1 Configuration Management Planning. As specified in TO Mod and/or TI, 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 TO Mod and/or 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 Mod and/or 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 Mod and/or TI. The Contractor's configuration management

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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 Mod and/or 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 Mod and/or 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 Mod and/or 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 Mod and/or 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 Mod and/or TI, the Contractor shall maintain a working library of documents and publications and instructions applicable to NSWC Crane PM10 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 Mod and/or 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 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 Mod and/or 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 Mod and/or TI.

3.8.1 PM10 Organizational Studies and Recommendations. The Contractor, as required by TO Mod and/or 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 Mod and/or 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 Mod and/or 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 Mod and/or 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 Mod and/or TI.

3.8.4 Program Management Support. The Contractor shall provide program management support in the mission of developing and maintaining NSWC Crane PM10 and NSWC Crane PM10-related systems, subsystems, equipment and components as specified by TO Mod and/or 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
- 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 Mod and/or TI, the Contractor shall develop, analyze, make recommendations, provide rationale for the recommendations, and provide technical and administrative support in preparing assigned PM10 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 Mod and/or 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
- j. Policies, Processes and Procedures Specified by TO Mod and/or TI

3.8.6 Program Reports. As required by the Government in the TO Mod and/or 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 Mod and/or 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 Mod and/or 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 Mod and/or TI, the Contractor shall review and evaluate program management data delivered by Government contractors. The Contractor shall

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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 Mod and/or 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 PM10 Management Support. As required by TO Mod and/or TI, the Contractor shall provide support to review, develop, analyze, make recommendations, provide rationale for the recommendations, and provide PM10 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 Mod and/or TI issued under this Performance Based Work Statement. 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 Mod and/or 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 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 Mod and/or 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 Mod and/or TI.

3.9.2 Data Entry. As required by TO Mod and/or 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 Mod and/or 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 Mod, 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 Mod and/or 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. When applicable, the Contractor will be provided with the written operating instructions via the TO Mod and/or TI.

3.9.4 Data Maintenance and Distribution. As required by TO Mod and/or 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 are 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 Mod and/or 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 Mod and/or 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 Mod and/or TI written operating instructions.

3.9.5 Data Destruction. As required by TO Mod and/or 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 PROVIDE ADMINISTRATION, MANAGEMENT, AND REPORTING.

4.1 CONTRACTOR'S PROGRESS, STATUS AND MANAGEMENT REPORT.

a. Prepare and submit a summary status report on a semester basis, which summarizes the events, progress and status for the subject award fee period. The contractor shall ensure this report contains an updated employee list identifying full names, security clearance levels, job titles and telephone numbers.

DELIVERABLE

Item: The Contractor shall provide one (1) copy in a Contractor's format that is acceptable to the Government.

Frequency: Semester

Medium: Electronic

Due Date: 10 business days after the semester closes. Report to be submitted to the **COR**, Nona Bradley, Code JXN, NSWC Crane Division, 300 Highway 361, Crane IN, 47522-5001, Telephone 812-854-4343, e-mail nona.bradley@navy.mil or to the **ACOR**, Annette Shaw, Code JXM, NSWC Crane Crane Division, 300 Highway 361, Crane, IN, 47522-5001, Telephone 812-854-1035, e-mail annette.shaw@navy.mil.

4.2 FINANCIAL EXPENDITURES REPORT/ACTIVE.

a. Provide the Government with (1) copy of the invoices with two (2) reproducible copies of the financial report ensuring each submission is concurrent with the Contractor's invoices, a financial expenditures report in accordance with the format delineated below, or in a Contractor's format that is acceptable to the Government.

1. The following identifies the Government's content and format requirements for a report, which provides detailed cost authorization/expenditures for all active TO Mod and/or TI under the subject TO. Once the Contractor has submitted a final invoice for the TO Mod and/or TI, the requirement for this report will be lifted for that specific TO Mod and/or TI.

2. The Contractor shall ensure one separate sheet for each active TO Mod and/or TI authorized under the TO.

3. The Contractor shall ensure all data specified below is updated to reflect the most current modification in effect at the time the report is printed.

4. The Contractor shall ensure the following details are included for each specific TO Mod and/or TI:

- a. Contractor's full name
- b. Basic Contract Number
- c. TO Number/modification number
- d. Calendar dates of the report period.
- e. TO/Mod Description
- f. Authorized Period of Performance
- g. Customer/Department
- h. Contractor's Manager/Resource leader

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i. Column titled "Authorized" depicting all authorized labor categories and associated labor hours delineated in the TO Mod and/or TI, with totals; authorized other direct cost (ODC) as delineated in the TO Mod and/or TI, with totals (hours and costs); total authorized material costs; total authorized subcontractor costs; total potential award 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 Mod and/or TI, with totals (hours and costs).

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, with totals (hours and costs).

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 Award Fee Funded

s. Balance of Funded Dollars with Obligations

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

u. Date printed

DELIVERABLE

Item: The Contractor shall provide one (1) copy of the invoices and two (2) reproducible copies of the financial report. The Contractor shall provide the data no later than 15 business days after the close of the monthly billing period.

Frequency: Bi-Weekly

Medium: The reproducible shall be a 3-1/2 inch diskette and/or CDROM in Microsoft Word format 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.

Due Date: 15 business days after the close of the bi-weekly billing period concurrent with the contractors invoices. Report to be submitted to the **COR**, Nona Bradley, Code JXN, NSWC Crane Division, 300 Highway 361, Crane IN, 47522-5001, Telephone 812-854-4343 or to the **ACOR**, Annette Shaw, Code JXM, NSWC Crane Crane Division, 300 Highway 361, Crane, IN, 47522-5001, Telephone 812-854-1035, e-mail Annette.shaw@navy.mil.

4.3 DIRECT INCURRED COSTS/DIRECT LABOR HOUR REPORT.

a. Provide a summary of semester incurred costs/direct labor hours expended by total TO, TO Mod and/or TI for the purpose of award fee determination.

DELIVERABLE

Item: Prepare the following report in accordance with the format delineated below, or in Contractor's format acceptable to the **COR/ACOR**. The Contractor shall provide one (1) reproducible copy of the report.

1. The following identifies the content and format requirements for a summary of semester incurred costs/direct labor hours expended by total TO, TO Mod and/or TI for award fee determinations.

2. The Contractor shall ensure the following details are included.

a. Contractor's full name.

b. Calendar date of the report.

c. TO Mod and/or TI number.

d. Report number, starting with 001.

e. Enter the calendar dates that the report covers. The AWARD FEE PERIOD is the period of time covered under the most recent semester and should not exceed 122 business days. The first award fee period shall be the period of time covered under the most recent semester.

f. Enter the TO Mod and/or TI number.

g. Enter the total direct costs incurred during this award fee period.

h. Enter the number of direct labor hours expended by the prime contractor during the award fee period.

Frequency: Semester

Medium: Electronic media. The reproducible shall be a 3-1/2 inch diskette and/or CDROM in Microsoft Word format for use on IBM PC or fully compatible units and 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.

Due Date: 10 business days after the end of the semester period. Report to be submitted to the **COR**, Nona Bradley, Code JXN, NSWC Crane Division, 300 Highway 361, Crane IN, 47522-5001, Telephone 812-854-4343 or to the **ACOR**, Annette Shaw, Code JXM, NSWC Crane Crane Division, 300 Highway 361, Crane, IN, 47522-5001, Telephone 812-854-1035, e-mail annette.shaw@navy.mil.

4.4 AUTOMATED FINANCIAL TRACKING AND REPORTING SYSTEM.

a. Provide the Government with a web based financial reporting system in a Contractor's format that is acceptable to the Government.

DELIVERABLE

Item: 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.

Frequency: The database is to be maintained current to within 3 working days.

Medium: The database shall be available to authorized personnel via the Internet and shall be free of viruses. Authorized personnel will be identified in individual TO Mod and/or TI.

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Due Date: The database shall be established within 60 business days after the award of the TO.

5.0 CONTRACTOR RESPONSE TIME. The contractor shall respond to a TO Mod and/or TI 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 TO Mod and/or TI POC. The contractor shall also recognize that circumstances requiring immediate response may occur. The **COR/ACOR** 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, PM10. 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, PM10, 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.

7.0 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 TO.

PERFORMANCE CRITERIA	PERFORMANCE STANDARD	PERFORMANCE ASSESSMENT METHOD
Provide deliverables IAW TO Mod and/or TI 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 and/or TI requirements 95% of the time.	Random inspection.
Effective management.	Facilitate effective TO Mod and/or TI performance.	Random inspection and meetings between the contractor and COR/ACOR .
Cost control.	TO Mod and/or TI completed within Budget.	Verify Financial Expenditure Report

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SECTION D PACKAGING AND MARKING

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) contract dollar amount;
- (4) whether the contract was competitively or non competitively awarded;
- (5) sponsor:

(Name of Individual Sponsor)

(Name of Requiring Activity)

(City and State)

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.

See Section D of the Basic Contract.

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SECTION E INSPECTION AND ACCEPTANCE

52.246-3 Inspection of Supplies-Cost Reimbursement MAY 2001

252.246-7000 Material Inspection and Receiving Report MAR 2003

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.

HQ-E-2-0006 GOVERNMENT FURNISHED MATERIAL (NAVSEA) (MAY 1995)

Government Furnished Material: When material is furnished by the Government, the contractor's procedures shall include at least the following:

- (a) Examination upon receipt, consistent with practicality, to detect damage in transit;
- (b) Inspection for completeness and proper type;
- (c) Periodic inspection and precautions to assure adequate storage conditions and to guard against damage from handling and deterioration during storage;
- (d) Functional testing, either prior to or after installation, or both, as required by contract to determine satisfactory operation;
- (e) Identification and protection from improper use or disposition; and
- (f) Verification of quantity.

Damaged Government Furnished Material: The contractor shall report to the Government representative any Government-furnished property found damaged, malfunctioning, or otherwise unsuitable for use. In event of damage or malfunction during or after installation, the contractor shall determine and record probable cause and necessity for withholding material from use.

Bailed Property: The contractor shall, as required by the terms of the Bailment Agreement, establish procedures for the adequate storage, maintenance, and inspection of bailed Government property. Records of all inspections and maintenance performed on bailed property shall be maintained. These procedures and records shall be subject to review by the Government representative. [As used in the foregoing, the term "material" applies to Government-furnished equipment to be installed in or furnished with the end item. The term "property" is Government equipment that is used in the fabrication or assembly of the end item, and is not delivered as part of the end item.]

NOTE: Government representative means Contracting Officer.

HQ-E-2-0008 INSPECTION AND TEST RECORDS (MAY 1995)

Inspection and Test Records: Inspection and test records shall, as a minimum, indicate the nature of the observations, number of observations made, and the number and type of deficiencies found. Data included in inspection and test records shall be complete and accurate, and shall be used for trend analysis and to assess corrective action and effectiveness.

HQ-E-2-0015 QUALITY SYSTEM REQUIREMENTS (NAVSEA) (MAY 1995)

Quality System Requirements: The Contractor shall provide and maintain a quality system that, as a minimum, adheres to the requirements of ANSI/ISO/ASQ Q9001-2000 Quality Management

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System Standards imposed by this contract. The quality system procedures, planning, and all other documentation and data that comprise the quality system shall be made available to the Government for review. Existing quality documents that meet the requirements of this contract may continue to be used. The Government may perform any necessary inspections, verifications, and evaluations to ascertain conformance to requirements and the adequacy of the implementing procedures. The Contractor shall require of subcontractors a quality system achieving control of the quality of the services and/or supplies provided. The Government reserves the right to disapprove the quality system or portions thereof when it fails to meet the contractual requirements.

HQ-E-2-0017 USE OF CONTRACTOR'S INSPECTION EQUIPMENT (NAVSEA) (MAY 1995)

Use of Contractor's Inspection Equipment: The contractor's gages, and measuring and testing devices shall be made available for use by the Government when required to determine conformance with contract requirements. If conditions warrant, the contractor's personnel shall be made available for operations of such devices and for verification of their accuracy and condition.

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SECTION F DELIVERABLES OR PERFORMANCE

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

1000	3/29/2006 - 3/28/2011
3000	3/29/2006 - 3/28/2011

CLIN - DELIVERIES OR PERFORMANCE

52.242-15 STOP WORK ORDER (AUG 1989)-Alternate I) APR 1984

FAR 52.247-34 FOB DESTINATION (NOV 1991)

DATA DELIVERY LANGUAGE FOR SERVICES PROCUREMENTS (5703)

All data to be furnished under this contract shall be delivered prepaid to destination at the time(s) specified in the Statement of Work.

Note: Performance beyond 4 April 2009 is contingent upon the contractor earning the first award term under the basic contract, which is from 5 April 2009 through 4 April 2014.

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SECTION G CONTRACT ADMINISTRATION DATA

SPECIAL PAYMENT/INVOICE INSTRUCTIONS

1. Payment is not to be pro-rated across ACRNs.
2. ACRNs are to be paid in accordance with contractor's invoice.
3. Contractor shall invoice per ACRN.
4. Progress Payments will not be authorized.

CONTRACT ADMINISTRATION DATA LANGUAGE (5802)

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.

CONTRACTING OFFICER'S REPRESENTATIVE (COR)

COR Information:

Nona Bradley
NSWC Crane Division
Building 3373, Code JXM
300 Highway 361
Crane, IN 47522-5001
Email: nona.bradley@navy.mil
Telephone: 812-854-4343

ALTERNATE CONTRACTING OFFICER'S REPRESENTATIVE (ACOR)

Effective 08 July 2008, Ms. Annette Shaw is hereby appointed as the **Alternate Contracting Officer's Representative (ACOR)** for this task order.

Annette Shaw
NSWC Crane Division
Building 3373, Code JXM
300 Highway 361
Crane, IN, 47522-5001
E-mail Annette.shaw@navy.mil
Telephone: 812-854-1035

252.201-7000 Contracting Officer's Representative (DEC 1991)

PURCHASING OFFICE REPRESENTATIVE LANGUAGE (5804)

PURCHASING OFFICE REPRESENTATIVE:

Don Feaster
Code 0561, Bldg. 64
300 Highway 361
Crane, IN 47522-5001
Telephone: (812) 854-5704
Email: donald.feaster@navy.mil

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SECURITY ADMINISTRATION (5806)

The highest level of security required under this contract is SECRET/SCI as designated on DD Form 254 attached hereto and made a part hereof. The Commander, Defense Security Service, Detroit Field Office, Director of Industrial Security, 17177 North Laurel Park Drive; Suite 417, Livonia, MI, 47152-2659, is designated Security Administrator for the purpose of administering all elements of military security hereunder.

EXPEDITING CONTRACT CLOSEOUT (NAVSEA) (DEC 1995) (5810)

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

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

CONTRACTOR PERFORMANCE ASSESSMENT RATING SYSTEM (CPARS) (JAN 2001) (5811)

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

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

(c) The contractor may request a meeting to discuss the CPAR. The meeting is to be requested via e-mail to the CPARS Program Manager no later than seven days following receipt of the CPAR. A meeting will then be held during the contractor's 30-day review period.

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

Name Phone E-mail Address (optional)

PAYMENT STATUS INQUIRIES (5812)

Status of invoice payments can be obtained from the following web site: <http://www.dfas.mil/money/vendor>. If the payment is being made by DFAS-Columbus use the MOCAS vendor pay inquiry system (VPIS) site listed on the above web site. It is recommended that the vendor download the "MOCAS VPIS help guide" and "reason and remark code document". You must then register by clicking on "user registration" under the subheading "MOCAS vendor pay inquiry system" before payment inquiries can be made. If payment is being made by other than DFAS-Columbus, status of invoice payment can be obtained through the non-MOCAS system by cage code, contract number

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or duns number at the above listed web site. You may also contact one of the DFAS Paying Office Vendor Pay Customer Service Phone Numbers listed below:

DFAS Columbus (North, South, & West Entitlements) 1-800-756-4571
DFAS Charleston 1-800-755-3642
DFAS Dayton 1-800-756-4571
DFAS Denver 1-888-898-0887
DFAS Indianapolis 1-888-332-7366
DFAS Lawton (Seaside) 1-888-445-5154
DFAS Lexington 1-859-293-4344
DFAS Limestone 1-800-337-0371
DFAS Norfolk 1-800-209-1628
DFAS Oakland 1-800-731-8096
DFAS Omaha 1-800-756-4571
DFAS Orlando (Army) 1-800-950-9784
DFAS Orlando (Air Force) 1-800-756-4571
DFAS Pacific 1-888-222-6950
DFAS Pensacola 1-800-328-9371
DFAS Rock Island 1-888-332-7742
DFAS Rome 1-800-553-0527
DFAS San Antonio 1-888-478-5636
DFAS San Bernardino 1-800-756-4571
DFAS San Diego 1-800-731-8096
DFAS St. Louis 1-877-782-5680

To determine which system to use see the following blocks of your contract document for payment offices designation:

DOCUMENT	BLOCK
SF 26 AWARD/CONTRACT	12
SF 1449 SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS	18A
DD 1155 ORDER FOR SUPPLIES OR SERVICES	15

ELECTRONIC SUBMISSION OF PAYMENT REQUESTS (5815)

DFARS 252.232-7003 is hereby incorporated into the contract by reference. For purposes of implementation of electronic finance payment invoicing under NSWC Crane contracts, WAWF-RA is applicable in accordance with Deployment of Wide Area WorkFlow - Receipt and Acceptance OUSD(AT&L)(DP) memo 1 Apr 2002. Other electronic systems are not to be utilized.

For other than finance payment request invoices, NSWC Crane is currently working with the WAWF-RA program office to develop an interface between the financial system and WAWF-RA. However, this interface is not currently in place and NSWC Crane cannot currently accept WAWF-RA invoices for payment against lines of accounting cited in contracts/orders issued and certified for payment by NSWC Crane (DoDAAC N00164/FC).

In accordance with DFARS 252.232-7003(c), the contractor is required to submit their receipt and acceptance documentation with delivery of the materials. A copy of the invoice for payment shall be submitted, in hard copy or via e-mail, in accordance with the Submission of Invoice Clause and Special Invoice Instructions located elsewhere herein.

CNIN-G-0017 ELECTRONIC SUBMISSION OF INVOICES/VOUCHERS -- Services

SECTION SF 30 BLOCK 14 CONTINUATION PAGE INVOICING INSTRUCTIONS AND PAYMENT FOR

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SERVICES

Invoices for services rendered under this Contract shall be submitted electronically through Wide Area Work Flow – Receipt and Acceptance (WAWF):

The vendor shall self-register at the web site <https://wawf.eb.mil>. Vendor training is available on the internet at <https://wawftraining.eb.mil>. Additional support can be accessed by calling the NAVY WAWF Assistance Line: 1-800-559-WAWF (9293).

Select the Cost Voucher within WAWF as the invoice type. The cost voucher prepares the interim voucher.

Back up documentation (such as timesheets, cost breakdowns, etc.) can be included and attached to the invoice in WAWF.

Attachments created in any Microsoft Office product are attachable to the invoice in WAWF. The following information regarding Naval Surface Warfare Center, Crane Division, is provided for completion of the invoice in WAWF:

PAY DODAAC:	HQ0338
WAWF Invoice Type:	Cost Voucher
Issue by DODAAC:	N00164
Admin DODAAC:	S0514A
DCAA DODAAC (if applicable)	HAA245
Service Approver:	N00164
Inspect by DODAAC:	N/A
Service Acceptor DODAAC:	N00164
LPO DODAAC:	N00164

The contractor shall submit invoices for payment per contract terms. The Government shall process invoices for payment per contract terms. After clicking the submit button, a Notice or successful/unsuccessful submission screen will appear. This screen allows you to enter an additional e-mail notification address. You must click on the "Send More Email Notifications" link and add the **below revised** e-mail address for submittal of the acceptor:

COR Name	Contact Information	Status	Effective Date
Tonjua Toon	Bldg. 3422 Code JXN NSWC, Crane Division 300 Highway 361 Crane, IN 47522-50001 Phone: 812-854-1572 E-mail: tonjua.toon@navy.mil	COR Appointment Terminated	14 January 2008
Nona Bradley	Building 3373, Code JXM NSWC, Crane Division 300 Highway 361 Crane, IN 47522-50001 Phone: 812-854-4343 E-mail: nona.bradley@navy.mil	COR Appointment	07 January 2008

ACOR Name	Contact Information	Status	Effective Date
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Annette Shaw	Building 3373, Code JXM NSWC, Crane Division 300 Highway 361 Crane, IN 47522-50001 Phone: 812-854-1035 E-mail: annette.shaw@navy.mil	Alternate COR Appointment	08 July 2008
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Additional WAWF Information:

Check if applicable: On the Miscellaneous Tab of the invoice in WAWF, attach the cost breakdown for the cost voucher amount being submitted IAW the invoicing instructions.

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

(a) Performance of the work hereunder shall be subject to written technical instructions signed by the **COR** specified in Section G of this task order. As used herein, technical instructions are defined to include the following:

- (1) Directions to the Contractor which suggest pursuit of certain lines of inquiry, shift work emphasis, fill in details or otherwise serve to accomplish the contractual statement of work.
- (2) Guidelines to the Contractor which assist in the interpretation of drawings, specifications or technical portions of work description.

(b) Technical instructions must be within the general scope of work stated in the contract. Technical instructions may not be used to:

- (1) assign additional work under the contract;
- (2) direct a change as defined in the "CHANGES" clause of this contract;
- (3) increase or decrease the contract price or estimated contract amount (including fee), as applicable, the level of effort, or the time required for contract performance; or
- (4) change any of the terms, conditions or specifications of the contract.

(c) If, in the opinion of the Contractor, any technical instruction calls for effort outside the scope of the contract or is inconsistent with this requirement, the Contractor shall notify the Contracting Officer in writing within ten (10) working days after the receipt of any such instruction. The Contractor shall not proceed with the work affected by the technical instruction unless and until the Contractor is notified by the Contracting Officer that the technical instruction is within the scope of this contract.

(d) Nothing in the foregoing paragraph shall be construed to excuse the Contractor from performing that portion of the contractual work statement which is not affected by the disputed technical instruction.

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.

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(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.

Note: Contractor employee's may be required in their task order Statement of Work to drive Government furnished vehicles. This requirement will be addressed in the individual task order performance based work statement via Technical Direction Letter (TDL) issued by the COR. All employee's must possess a valid driver's license. All drivers are subject to the state of Indiana motor vehicle regulations and any existing Government requirements. The contractor assumes liability for the use of these vehicles and must provide proof of insurance to the Government prior to performance of this tasking. Contractor shall immediately notify the KO and/or COR in the event of an accident.

PAYMENT OF FEE

The maximum obtainable award fee will be set at ten percent (10%) and the base fee will be zero. Offerors are afforded the opportunity to propose a maximum fee that will be considered in the cost evaluation, while keeping in mind the maximum allowable fee is ten percent (10%). Offeror's are notified that the winning contractor will be paid a percentage of the award fee based on the technical and management evaluation scores received from their performance. For firm fixed price task order modifications, fee will be that as negotiated between the contractor and the Government.

MAXIMUM AWARD FEE - AWARD PERIODS

The contractor may earn and be paid all or a portion of an award fee, if any, earned by the contractor, and payment thereof shall be made every six (6) months. This determination will be the result of combining the Category A and B evaluations in an overall grade for the period.

- a. Category A evaluation shall represent sixty (60) percent of the award fee evaluation percentage score.
- b. Category B evaluation shall represent forty (40) percent of the award fee evaluation percentage score.

NOTE: In no case shall the maximum award fee exceed the statutory limitation of ten (10) percent of total cost.

CATEGORY A - TECHNICAL EVALUATION

The specific goals for each Task Order Modification (TO Mod) will be stated as a part of the proposed effort and standards of performance expected and stated in the TO Mod at the time of issue. In developing the evaluation criteria, the following major areas and evaluation elements shall be considered and relative weights established for such area.

MAJOR AREAS	RELATIVE WEIGHT	EVALUATION ELEMENTS
Technical Contribution	60%	<p>The impact and influence that the Contractor's technical analysis, studies, investigations, recommendations, problem identification, review, etc., have in improving potential reliability and effectiveness of the systems and equipment design.</p> <p>The technical accuracy, objectivity, and level of engineering proficiency of these of these</p>

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		<p>analyses, studies, and investigations and their presentation and documentation.</p> <p>The effectiveness of program planning and implementation.</p> <p>Proper assignment of the level of personnel required to achieve the quality and depth of work specified in the TO, TO Mods and/or Tis.</p>
Maintaining Program Schedules and Delivery	25%	Meeting milestones and delivery dates established by TO, TO Mods and/or TIs.
Cost Control	15%	<p>Accurately estimating the costs required to perform and complete tasks.</p> <p>Completed TO Mods and/or Tis met the qualitative requirements and were within the estimated cost, such that the ratio percentage (%) of TO Mod and/or TI Cost are proportional to the percentage (%) of work objectives in the basic contract.</p>

CATEGORY B – MANAGEMENT EVALUATION

In the evaluation of the contractor's performance in the area of operations management, the following major areas, relative weights and evaluations shall apply.

MAJOR AREAS	RELATIVE WEIGHT	EVALUATION ELEMENTS
Effectiveness and efficiency of management/ organizational controls	50%	<p>Development/maintenance/ adherence to internal procedures designed to ensure compliance to Basic Contract and TO Mod and/or TI requirements.</p> <p>Contractual requirements.</p> <p>Government/Contractor interaction</p> <p>Timely submission and accuracy of proposals.</p> <p>Compliance with Subcontracting Plan.</p> <p>Establishment/utilization of internal records to assure proper tracking and accountability of GFE, GFM (including AA&E items) and GFI.</p> <p>Employee self-development programs to expand knowledge base, stay abreast of current and emerging technologies, and provide greater workforce flexibility.</p>

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		Training
		Equipment
Effectiveness of personnel	30%	Effectiveness in securing and retaining qualified personnel. Ability of assigned workforce to deliver quality services/deliverables on schedule, at or below estimated hours.
Effectiveness of Cost Management	20%	Ability to contain actual total costs within Contractor estimated total costs for completion of TO Mods and/or TIs. Overtime Travel Labor Mix Application of internal administrative tracking systems to achieve maximum productivity at minimum cost to the Government (e.g., cost/schedule contract system).

Evaluation of proposed indirect rates in the original proposal and indirect rates incurred during the award fee evaluation.

Non-Waiver of Contract Clauses. Nothing contained in this section shall be construed to alter, modify, revise, or waive any of the provisions of the clause of this contract entitled "Inspection of Services-Cost Reimbursement" or of any other clause or provision hereof.

AWARD FEE PROCEDURES

Performance Reports. The Department Director or his/her appointed representative shall act as the Fee Determining Official (FDO), and shall designate technical and administrative personnel to observe, examine, review, and report on the performance of the contractor under the proposed task order. Reports covering said performance shall be prepared by said personnel in a form and manner prescribed by the Project Manager.

Performance Evaluation Board (PEB). The FDO shall appoint a PEB consisting of not less than two (2) members. The Contracting Officer (KO) and the **Contracting Officer's Representative (COR)** shall be members of the PEB. In the absence of the FDO, the KO or **COR** will act as chairperson. It shall be the purpose of the Board to review contractor performance reports, make independent investigations as deemed necessary, and make recommendations to the FDO concerning evaluation grades, the amount of award fee earned and recommended for payment, and the nature, quality and extent of documentation to be furnished the contractor concerning his performance. The PEB, in arriving at its recommendations, shall consider not only the task order costs associated with exceptional or substandard performances by the contractor, but also the estimate of related benefits or costs accruing to the Government. Every six (6) months, the PEB shall review all "Category A" grades and performance reports for work performed during that period. The Contract Specialist (CS) shall assign the "Category B" performance grades, and provide to

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the **COR**, following KO review and approval. Upon completion of "Category A" evaluation, the PEB will assign a "Category A" performance grade. That portion of Maximum Estimated Cost expended on task order modification and/or Technical Instruction (TI) during the applicable six-month award fee evaluation period will be used to determine the award fee pool. The PEB shall prepare a preliminary report of grades assigned and award fee earned. The PEB will advise the contractor of the "Category A" grades and afford him 15 days in which to submit written comments concerning the preliminary report. The contractor will be provided copies of "Category A" grades and associated reports for each task order modification and/or TI as "Category A" grades are unique to each task order modification and/or TI. Similarly, the contractor shall be advised of the substance of the report with respect to the "Category B" evaluation, and be afforded a like opportunity for commenting thereon. Upon receipt of the contractor's written comments, the FDO shall direct the **COR** to initiate action to release payment through the Acquisition Department, via the KO, for the award fee authorized. Lack of response from the contractor within the 15-day response period shall be construed as the contractor's concurrence to the PEB's report of grades and assigned award fee.

ESTABLISHMENT OF AWARD FEE

The determination as to any amount of award fee to be granted the contractor shall be made by the FDO as soon as feasible after the end of each award fee period. The decision of the FDO with respect to entitlement to award fee, or the amount thereof, shall be final and shall not be subject to the "Disputes" clause of this task order. It is the Government's intent to make a preliminary award fee determination as soon as possible after each award fee period, with a goal of approximately six weeks. The contractor is then afforded fifteen days to comment on the preliminary report. A final determination/approval of the report is expected within approximately two weeks of receiving the contractor's comments. Actual payment of award fee will occur subsequent to contractor's submittal of award fee vouchers, following written authorization (email is acceptable as written authorization) by Contracting Officer to submit award fee vouchers.

Accounting Data

SLINID	PR Number	Amount
100001		[REDACTED]
LLA :		
AB See Attachment G in Section J		
Cost Plus Award Fee for Labor for Technical Direction Letter (TDL) 01.		
100002		[REDACTED]
LLA :		
AA 1761506 47C2 311 00019 0 050119 2D 000000 PMA260AAAAB19 (AA)		
Cost Plus Award Fee for Labor for Technical Direction Letter (TDL) 02.		
100003		[REDACTED]
LLA :		
AB 1761506 46JC 311 00019 0 050119 2D 000000 AIR30E122Z10 (AB)		
Cost Plus Award Fee for Labor for Technical Direction Letter (TDL) 02.		
300001		[REDACTED]
LLA :		
AB See Attachment G in Section J		
Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Direction Letter (TDL) 01.		
300002		[REDACTED]
LLA :		
AA See Attachment G in Section J		
Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Direction Letter (TDL) 02.		

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300003

LLA :

AB See Attachment G in Section J

Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Direction Letter (TDL) 02.

300004

LLA :

AB See Attachment G in Section J

Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Direction Letter (TDL) 02.

BASE Funding

MOD 01

100004

LLA :

AA 97X4930 NH1J 000 77777 0 00164 2F 000000 41410182D704 (AA)

Cost Plus Award Fee for Labor for Technical Instruction 01 (TI-01).

100005

LLA :

AA B5 1761506 U1VR 312 00019 0 050119 2D 000000 PMA299BCBK00 (AA)

Cost Plus Award Fee for Labor for Technical Instruction 03 (TI-03).

100006

LLA :

AA B7 1761506 U1VR 251 00019 0 050119 2D 000000 PMA299BCBT30 (AA)

Cost Plus Award Fee for Labor for Technical Instruction 03 (TI-03).

300005

LLA :

AA See Attachment G in Section J

Funding under this CLIN/SLIN may only be expensed through 30 September 2006.

300006

LLA :

AA See Attachment G in Section J

Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 03 (TI-03).

300007

LLA :

AA See Attachment G in Section J

Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 03 (TI-03).

300008

LLA :

AB See Attachment G in Section J

Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 03 (TI-03).

300009

LLA :

AB See Attachment G in Section J

Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 03 (TI-03).

300010

LLA :

AA See Attachment G in Section J

Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 03 (TI-03).

MOD 01 Funding

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MOD 02

100007

LLA :

B8 97X4930 NH1J 000 77777 0 00164 2F 000000 4141014030FE (AA)
Cost Plus Award Fee for Labor for Technical Instruction 03 (TI-03).

100008

LLA :

B9 1761506 U1SH 311 00019 0 050119 2D 000000 PMA299A1C000 (AB)
Cost Plus Award Fee for Labor for Technical Instruction 03 (TI-03).

100009

LLA :

C1 1761506 U5CN 312 00019 0 050119 2D 000000 PMA299CA9113 (AA)
Cost Plus Award Fee for Labor for Technical Instruction 03 (TI-03).

100010

LLA :

C2 1741506 Y5B0 311 00019 0 050119 2D 000000 PMA234BB1450 (AA)
Cost Plus Award Fee for Labor for Technical Instruction 01 (TI-01).

100011

LLA :

C3 97X4930 NH1J 000 77777 0 00164 2F 000000 4141014030P1 (AA)
Cost Plus Award Fee for Labor for Technical Instruction 04 (TI-04).

100012

LLA :

C4 2152040 0000 5 4B 8768 665601F3040 25FB G0 MIPR6KKNECA129 S29040 JO # 5G5732 E
ZZZ MDEP:FPLE (AA)
Cost Plus Award Fee for Labor for Technical Instruction 04 (TI-04).

100013

LLA :

C5 2162040 0000 6 4B 8768 665601F3040 255Y G0 MIPR6KKNECA537 S29040 JO \$ 6G6477 M
DEP: FPLE (AA)
Cost Plus Award Fee for Labor for Technical Instruction 04 (TI-04).

100014

LLA :

C6 2162020 0000 6 5L 5L05 42380600000 25FB JONO: 67D299 S01021 (AA)
Cost Plus Award Fee for Labor for Technical Instruction 04 (TI-04).

300011

LLA :

B9 See Attachment G in Section J
Amount available for Other Direct Costs (ODCs) required to perform efforts under
Technical Instruction 03 (TI-03).

300012

LLA :

C3 See Attachment G in Section J
Amount available for Other Direct Costs (ODCs) required to perform efforts under
Technical Instruction 04 (TI-04).

MOD 02 Funding

MOD 03

100015

LLA :

AA A5 97X4930 NH1J 000 77777 0 00164 2F 000000 41410182D704 (AA)
Cost Plus Award Fee for Labor for Technical Instruction 01 (TI-01).

MOD 03 Funding

MOD 05

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100016 [REDACTED]
 LLA :
 C7 97X4930 NH1J 000 77777 0 00164 2F 000000 41410B82DJ00 (AA)
 Cost Plus Award Fee for Labor for Technical Instruction 01 (TI-01).

100017 [REDACTED]
 LLA :
 C8 1771319 Y5MW 255 00019 0 050119 2D 000000 PMA265FA2118 (AB)
 Cost Plus Award Fee for Labor for Technical Instruction 01 (TI-01).

300013 [REDACTED]
 LLA :
 C9 See Attachment G in Section J
 Amount available for Other Direct Costs (ODCs) required to perform efforts under
 Technical Instruction 01 (TI-01).

300014 [REDACTED]
 LLA :
 C8 See Attachment G in Section J
 Amount available for Other Direct Costs (ODCs) required to perform efforts under
 Technical Instruction 01 (TI-01).

MOD 05 Funding [REDACTED]
 [REDACTED]

MOD 06

100018 [REDACTED]
 LLA :
 A7 1771506 U1CW 251 00019 0 050119 2D 000000 PMA275AB4810 (AA)
 Cost Plus Award Fee for Labor for Technical Instruction 02 (TI-02).

100019 [REDACTED]
 LLA :
 A8 9760300 4CCW 251 00019 0 050119 2D 000000 PMA275BD1200 (AA)
 Cost Plus Award Fee for Labor for Technical Instruction 02 (TI-02).

100020 [REDACTED]
 LLA :
 B2 97X4930 NH1J 000 77777 0 00164 2F 000000 41410B40R0QX (AA)
 Cost Plus Award Fee for Labor for Technical Instruction 02 (TI-02).

100021 [REDACTED]
 LLA :
 B4 1771319 U577 251 00019 0 050119 2D 000000 PMA275AA2711 (AA)
 Cost Plus Award Fee for Labor for Technical Instruction 02 (TI-02).

100022 [REDACTED]
 LLA :
 D1 1771506 U1VR 251 00019 0 050119 2D 000000 PMA299BABT30 (AA)
 Cost Plus Award Fee for Labor for Technical Instruction 03 (TI-03).

100023 [REDACTED]
 LLA :
 D2 1771506 U1SH 311 00019 0 050119 2D 000000 PMA299A1C000 (AA)
 Cost Plus Award Fee for Labor for Technical Instruction 03 (TI-03).

100024 [REDACTED]
 LLA :
 D3 9700XXXX4930 NC1A 260 85003 0 000383 7R 000383 7PP1000VHPHV (AA)
 Cost Plus Award Fee for Labor for Technical Instruction 03 (TI-03).

100025 [REDACTED]
 LLA :
 D4 1761506 U14B 311 00019 0 050119 2D 000000 PMA276A101J0 (AA)
 Cost Plus Award Fee for Labor for Technical Instruction 05 (TI-05).

100026 [REDACTED]
 LLA :
 D5 97X4930 NH2A 311 77777 0 054219 2F 000000 011623850020 (AA)

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Cost Plus Award Fee for Labor for Technical Instruction 05 (TI-05).

100027

LLA :

D6 97X4930 NH2A 311 77777 0 054219 2F 000000 011623260020 (AA)

Cost Plus Award Fee for Labor for Technical Instruction 05 (TI-05).

100028

LLA :

D7 5763010 116 4720 10PDTR 000000 00000 000000 503000 F03000 FSR: 052398 PSR: J58

858 DSR: 216123 (AA)

Cost Plus Award Fee for Labor for Technical Instruction 06 (TI-06).

100029

LLA :

D8 97X4930 NH1J 000 77777 0 00164 2F 000000 414101403399 (AA)

Cost Plus Award Fee for Labor for Technical Instruction 06 (TI-06).

100030

LLA :

D9 97-11X8242 2886 000 74862 0 065916 2D PCN044 635460020GLQ (AA)

Cost Plus Award Fee for Labor for Technical Instruction 06 (TI-06).

100031

LLA :

E1 97X4930 NH1J 000 77777 0 00164 2F 000000 4141014030XF (AA)

Cost Plus Award Fee for Labor for Technical Instruction 06 (TI-06).

100032

LLA :

E2 97X4930 NH1J 000 77777 0 00164 2F 000000 4141014030XG (AA)

Cost Plus Award Fee for Labor for Technical Instruction 06 (TI-06).

100033

LLA :

E3 97X4930 NH1J 000 77777 0 00164 2F 000000 4141014030FR (AA)

Cost Plus Award Fee for Labor for Technical Instruction 06 (TI-06).

100034

LLA :

E4 97X4930 NH1J 000 77777 0 00164 2F 000000 4141014030FQ (AA)

Cost Plus Award Fee for Labor for Technical Instruction 06 (TI-06).

100035

LLA :

E5 1771506 46JC 311 00019 0 050119 2D 000000 AIR30E122Z10 (AA)

Cost Plus Award Fee for Labor for Technical Instruction 06 (TI-06).

100036

LLA :

E6 1771506 47C2 311 00019 0 050119 2D 000000 PMA260AAAAB19 (AA)

Cost Plus Award Fee for Labor for Technical Instruction 06 (TI-06).

100037

LLA :

E7 97X4930. NH1J 000 77777 0 00164 2F 000000 41410B40R0KK (AA)

Cost Plus Award Fee for Labor for Technical Instruction 06 (TI-06).

100038

LLA :

F3 97X4930 NH1J 000 77777 0 00164 2F 000000 41410B40R14E (AA)

Cost Plus Award Fee for Labor for Technical Instruction 07 (TI-07).

300015

LLA :

D1 See Attachment G in Section J

Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 03 (TI-03).

300016

LLA :

D2 See Attachment G in Section J

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Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 03 (TI-03).

300017 [REDACTED]
LLA :
D3 See Attachment G in Section J
Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 03 (TI-03).

300018 [REDACTED]
LLA :
D4 See Attachment G in Section J
Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 05 (TI-05).

300019 [REDACTED]
LLA :
D7 See Attachment G in Section J
Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 06 (TI-06).

300020 [REDACTED]
LLA :
D8 See Attachment G in Section J
Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 06 (TI-06).

300021 [REDACTED]
LLA :
E8 See Attachment G in Section J
Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 06 (TI-06).

300022 [REDACTED]
LLA :
E1 See Attachment G in Section J
Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 06 (TI-06).

300023 [REDACTED] 0
LLA :
E2 See Attachment G in Section J
Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 06 (TI-06).

300024 [REDACTED]
LLA :
E3 See Attachment G in Section J
Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 06 (TI-06).

300025 [REDACTED] 0
LLA :
E4 See Attachment G in Section J
Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 06 (TI-06).

300026 [REDACTED]
LLA :
E9 See Attachment G in Section J
Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 06 (TI-06).

300027 [REDACTED]
LLA :
E5 See Attachment G in Section J
Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 06 (TI-06).

300028 [REDACTED]
LLA :
E6 See Attachment G in Section J

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Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 06 (TI-06).

300029

LLA :

F1 See Attachment G in Section J

Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 06 (TI-06).

300030

LLA :

D9 See Attachment G in Section J

Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 06 (TI-06).

300031

LLA :

E7 See Attachment G in Section J

Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 06 (TI-06).

300032

LLA :

F2 See Attachment G in Section J

Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 06 (TI-06).

300033

LLA :

F4 See Attachment G in Section J

Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 07 (TI-07).

MOD 06 Funding

MOD 08

100039

LLA :

F5 1771506 U5CN 311 00019 0 050119 2D 000000 PMA299CA16AA (AA)
Cost Plus Award Fee for Labor for Technical Instruction 03 (TI-03).

100040

LLA :

F6 See Attachment G in Section J

Cost Plus Award Fee for Labor for Technical Instruction 03 (TI-03).

100041

LLA :

F7 See Attachment G in Section J

Cost Plus Award Fee for Labor for Technical Instruction 03 (TI-03). NOTE: This SLIN is funded with Special Corporate Investment Funds that must be expensed by 30 September 2007.

300034

LLA :

F5 See Attachment G in Section J

Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 03 (TI-03).

300035

LLA :

F6 See Attachment G in Section J

Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 03 (TI-03).

300036

LLA :

F7 See Attachment G in Section J

Amount available for Other Direct Costs (ODCs) required to perform efforts under

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Technical Instruction 06 (TI-06).

300037

LLA :

F7 See Attachment G in Section J

Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 03 (TI-03).

NOTE: This SLIN is funded with Special Corporate Investment Funds that must be expensed by 30 September 2007.

MOD 08 Funding

MOD 10

100002

LLA :

AA 1761506 47C2 311 00019 0 050119 2D 000000 PMA260AAAAB19 (AA)
Cost Plus Award Fee for Labor for Technical Direction Letter (TDL) 02.

100036

LLA :

E6 1771506 47C2 311 00019 0 050119 2D 000000 PMA260AAAAB19 (AA)
Cost Plus Award Fee for Labor for Technical Instruction 06 (TI-06).

100042 72157356

LLA :

F9 See Attachment G in Section J
Standard Number: N0001907RX11023 (AA)
TI-08 (Labor)

100043 72189790

LLA :

G1 See Attachment G in Section J
Standard Number: 7D7EPR2180T8 (AA)
TI-11 (Labor)
801 Authority applies. Contractor cannot expense against labor after 23 September 2008.

100044 72189852

LLA :

G2 See Attachment G in Section J
Standard Number: 7D7EPR2880T8 (AA)
TI-11 (Labor)
801 Authority applies. Contractor cannot expense against labor after 23 September 2008.

100045 72189874

G3 See Attachment G in Section J
Standard Number: 7D7EPR3480T8 (AA)
TI-11 (Labor)

801 Authority applies. Contractor cannot expense against labor after 23 September 2008.

100046 72189878

LLA :

G4 See Attachment G in Section J
Standard Number: 7D7EPR3080T8 (AA)
TI-11 (Labor)
801 Authority applies. Contractor cannot expense against labor after 23 September 2008.

100047 72208629

LLA :

G5 See Attachment G in Section J
Standard Number: N0001907RX11288 (AA)
TI-10 (Labor)

100048 72259834

LLA :

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G6 See Attachment G in Section J
Standard Number: N0001907RX05953 (AB)
TI-06 (Labor)

100049 72323069 [REDACTED]

G7 See Attachment G in Section J
Standard Number: 7D6EP11P80T8 (Amendment 2 - AA)
TI-11 (Labor)
801 Authority applies. Contractor cannot expense against labor after 23 September 2008.

100050 72335098 [REDACTED]

LLA :
G8 See Attachment G in Section J
Standard Number: N0001907WX11139 (AB)
TI-03 (Labor)
801 Authority applies. Contractor cannot expense against labor after 23 September 2008.

100051 72569570 [REDACTED]

LLA :
G9 See Attachment G in Section J
Standard Number: N0001907RX12659 (AB)
TI-03 (Labor)

100052 72128693 [REDACTED]

LLA :
H9 See Attachment G in Section J
Standard Number: N0001907RX10940 (AA)
TI-03 (Labor)

100053 72157636 [REDACTED] 0

LLA :
J1 See Attachment G in Section J
Standard Number: N0001907WX03533 (AA)
TI-01 (Labor)

100054 72157040 [REDACTED] 0

LLA :
C8 See Attachment G in Section J
Standard Number: N0001907WX03533 (AB)
TI-01 (Labor)

100055 72157662 [REDACTED]

LLA :
J2 See Attachment G in Section J
Standard Number: N00383-07-MPZ-A513 (AA)
TI-01 (Labor)

100056 72189547 [REDACTED]

LLA :
J3 See Attachment G in Section J
Standard Number: N0001907RX08315 (AA)
TI-09 (Labor)

300038 72157394 [REDACTED]

LLA :
F9 See Attachment G in Section J
Standard Number: N0001907RX11023 (AA)
TI-08 (ODCs)

300039 72189741 [REDACTED]

LLA :
H1 See Attachment G in Section J
Standard Number: 7D7EPR3180T8 (AA)
TI-11 (ODCs)
801 Authority applies. Contractor cannot expense against ODCs after 23 September 2008.

300040 72208637 [REDACTED]

LLA :

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G5 See Attachment G in Section J
Standard Number: N0001907RX11288 (AA)
TI-10 (ODCs)

300041 72259801 [REDACTED]
LLA :
H2 See Attachment G in Section J
Standard Number: N0001907RX07834 (AA)
TI-06 (ODCs)

300042 72259817 [REDACTED]
LLA :
H3 See Attachment G in Section J
Standard Number: N0001907RX09776 (AA)
TI-06 (ODCs)

300043 72259829 [REDACTED]
LLA :
H4 See Attachment G in Section J
Standard Number: 7D7EPTSB80T8 (AA)
TI-11 (ODCs)
801 Authority applies. Contractor cannot expense against ODCs after 23 September 2008.

300044 72259845 [REDACTED]
LLA :
H5 See Attachment G in Section J
Standard Number: J57EP12480T8 (AA)
TI-11 (ODCs)

300045 72335110 [REDACTED]
LLA :
G8 See Attachment G in Section J
Standard Number: N0001907WX11139 (AB)
TI-03 (ODCs)
801 Authority applies. Contractor cannot expense against ODCs after 23 September 2008.

300046 72420855 [REDACTED]
LLA :
H6 See Attachment G in Section J
Standard Number: N0001907RX11581 (AA)
TI-03 (ODCs)

300047 72482478 [REDACTED]
LLA :
H7 See Attachment G in Section J
Standard Number: N0001907RX12136 (AA)
TI-03 (ODCs)

300048 72569574 [REDACTED]00
LLA :
G9 See Attachment G in Section J
Standard Number: N0001907RX12659 (AB)
TI-03 (ODCs)

300049 72569586 [REDACTED]
LLA :
H8 See Attachment G in Section J
Standard Number: N0001907RX12659 (AA)
TI-03 (ODCs)

300050 72128718 [REDACTED]
LLA :
H9 See Attachment G in Section J
Standard Number: N0001907RX10940 (AA)
TI-03 (ODCs)

300051 72157844 [REDACTED]
LLA :
J1 See Attachment G in Section J
Standard Number: N0001907WX03533 (AA)

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TI-01 (ODCs)

300052 72189555 [REDACTED]

LLA :

J3 See Attachment G in Section J

Standard Number: N0001907RX08315 (AA)

TI-09 (ODCs)

MOD 10 Funding [REDACTED]

MOD 11

300053 72689371 [REDACTED]

LLA :

E6 See Attachment G in Section J

Standard Number: N0001907RX05953

TI-06 (ODC's)

300054 72689348 [REDACTED]

LLA :

A2 See Attachment G in Section J

Standard Number: N0001906RX06690

TI-02 (ODC's)

MOD 11 Funding [REDACTED]

MOD 12

100014 [REDACTED]

LLA :

C6 2162020 0000 6 5L 5L05 42380600000 25FB JONO: 67D299 S01021 (AA)

Funding for TI-04

Mod 12 decreased the original amount of SLIN 100014 from \$100,000 to \$6,356.

300055 72702779 [REDACTED]

LLA :

C6 See Attachment G in Section J

Standard Number: 7D6EPR1180T8 (AA)

Funding for TI-04

This funding was deobligated from SLIN 100014, per request of the TOM on 26 Sep 07.

Note: The funding assigned to SLIN 300055 (ACRN C6) expires 30 September 2007. The

Contractor may incur costs against SLIN 300055 through 30 September 2007, but

cannot bill for ODCs against SLIN 300055 after 30 September 2007. Invoicing for

these costs may occur after 30 September 2007.

MOD 12 Funding 0.00

Cumulative Funding [REDACTED]

MOD 14

100023 71362483 [REDACTED]

LLA :

D2 1771506 U1SH 311 00019 0 050119 2D 000000 PMA299A1C000 (AA)

Cost Plus Award Fee for Labor for Technical Instruction 03 (TI-03).

Note: Modification 14 decreased SLIN 100023 by \$450,000 (Performance: \$409,091;

Award Fee: \$40,909) from [REDACTED] to [REDACTED].

100051 72569570 [REDACTED]

LLA :

G9 See Attachment G in Section J

Standard Number: N0001907RX12659 (AB)

Cost Plus Award Fee for Labor for Technical Instruction 03 (TI-03).

Note: Modification 14 decreased SLIN 100051 by \$450,000 (Performance: \$409,091;

Award Fee: [REDACTED]) from [REDACTED] 04 to \$ [REDACTED].

100057 81611652 [REDACTED]

LLA :

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J4 See Attachment G in Section J
Incremental funding in support of TI-01 (Labor)
NOTE: Funding for SLIN 100057 (ACRN J4) expires 30 September 2010, with a Work Completion date of 30 November 2008. The Contractor may incur costs against SLIN 100057 through 30 November 2008, but cannot bill against SLIN 100057 after 30 November 2008. Invoicing for these costs may occur after 30 November 2008.

100058 81611656 [REDACTED]

LLA :

J5 See Attachment G in Section J
Incremental funding in support of TI-06 (Labor)
NOTE: Funding for SLIN 100058 (ACRN J5) expires 30 September 2009, with a Work Completion date of 30 November 2008. The Contractor may incur costs against SLIN 100058 through 30 November 2008, but cannot bill against SLIN 100058 after 30 November 2008. Invoicing for these costs may occur after 30 November 2008.

100059 81611658 [REDACTED]

LLA :

J6 See Attachment G in Section J
Incremental funding in support of TI-06 (Labor)
NOTE: Funding for SLIN 100059 (ACRN J6) expires 30 September 2009, with a Work Completion date of 30 November 2008. The Contractor may incur costs against SLIN 100059 through 30 November 2008, but cannot bill against SLIN 100059 after 30 November 2008. Invoicing for these costs may occur after 30 November 2008.

100060 81622023 [REDACTED]

LLA :

J7 See Attachment G in Section J
Incremental funding in support of TI-06 (Labor)
NOTE: Funding for SLIN 100060 (ACRN J7) expires 30 September 2008, with a Work Completion date of 30 September 2008. The Contractor may incur costs against SLIN 100060 through 30 September 2008, but cannot bill against SLIN 100060 after 30 September 2008. Invoicing for these costs may occur after 30 September 2008.

100061 81611639 [REDACTED]

LLA :

J8 See Attachment G in Section J
Incremental funding in support of TI-12 (Labor)
NOTE: Funding for SLIN 100061 (ACRN J8) expires 30 September 2008, with a Work Completion date of 01 September 2008. The Contractor may incur costs against SLIN 100061 through 01 September 2008, but cannot bill against SLIN 100061 after 01 September 2008. Invoicing for these costs may occur after 01 September 2008.

100062 81611645 [REDACTED] 9

LLA :

J9 See Attachment G in Section J
Incremental funding in support of TI-12 (Labor)
NOTE: Funding for SLIN 100062 (ACRN J9) expires 30 September 2008, with a Work Completion date of 01 September 2008. The Contractor may incur costs against SLIN 100062 through 01 September 2008, but cannot bill against SLIN 100062 after 01 September 2008. Invoicing for these costs may occur after 01 September 2008.

100063 81611650 [REDACTED]

LLA :

K1 See Attachment G in Section J
Incremental funding in support of TI-13 (Labor)
NOTE: Funding for SLIN 100063 (ACRN K1) expires 30 September 2010, with a Work Completion date of 30 November 2008. The Contractor may incur costs against SLIN 100063 through 30 November 2008, but cannot bill against SLIN 100063 after 30 November 2008. Invoicing for these costs may occur after 30 November 2008.

100064 81832182 [REDACTED]

LLA :

K8 See Attachment G in Section J
Incremental funding in support of TI-12 (Labor)
NOTE: Funding for SLIN 100064 (ACRN K8) expires 30 September 2008, with a Work Completion date of 30 September 2008. The Contractor may incur costs against SLIN 100064 through 30 September 2008, but cannot bill against SLIN 100064 after 30 September 2008. Invoicing for these costs may occur after 30 September 2008.

300057 81611655 [REDACTED] 0

LLA :

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J4 See Attachment G in Section J
Incremental funding in support of TI-01 (ODC)
NOTE: Funding for SLIN 300057 (ACRN J4) expires 30 September 2010, with a Work Completion date of 30 November 2008. The Contractor may incur costs against SLIN 300057 through 30 November 2008, but cannot bill against SLIN 300057 after 30 November 2008. Invoicing for these costs may occur after 30 November 2008.

300058 81621981 [REDACTED]

LLA :

K2 See Attachment G in Section J
Incremental funding in support of TI-06 (ODC)
NOTE: Funding for SLIN 300058 (ACRN K2) expires 30 September 2010, with a Work Completion date of 31 December 2008. The Contractor may incur costs against SLIN 300058 through 31 December 2008, but cannot bill against SLIN 300058 after 31 December 2008. Invoicing for these costs may occur after 31 December 2008.

300059 81621990 [REDACTED]

J6 See Attachment G in Section J
Incremental funding in support of TI-06 (ODC)
NOTE: Funding for SLIN 300059 (ACRN J6) expires 30 September 2009, with a Work Completion date of 30 November 2008. The Contractor may incur costs against SLIN 300059 through 30 November 2008, but cannot bill against SLIN 300059 after 30 November 2008. Invoicing for these costs may occur after 30 November 2008.

300060 81621995 [REDACTED]

K3 See Attachment G in Section J
Incremental funding in support of TI-06 (ODC)
NOTE: Funding for SLIN 300060 (ACRN K3) expires 30 September 2008, with a Work Completion date of 30 September 2008. The Contractor may incur costs against SLIN 300060 through 30 September 2008, but cannot bill against SLIN 300060 after 30 September 2008. Invoicing for these costs may occur after 30 September 2008.

300061 81622008 [REDACTED]

K4 See Attachment G in Section J
Incremental funding in support of TI-06 (ODC).

300062 81622017 [REDACTED]

LLA :

K5 See Attachment G in Section J
Incremental funding in support of TI-06 (ODC)
NOTE: Funding for SLIN 300062 (ACRN K5) expires 30 September 2010, with a Work Completion date of 30 November 2008. The Contractor may incur costs against SLIN 300062 through 30 November 2008, but cannot bill against SLIN 300062 after 30 November 2008. Invoicing for these costs may occur after 30 November 2008.

300063 81611648 [REDACTED]

K6 See Attachment G in Section J
Incremental funding in support of TI-12 (ODC)
NOTE: Funding for SLIN 300063 (ACRN K6) expires 30 September 2008, with a Work Completion date of 01 September 2008. The Contractor may incur costs against SLIN 300063 through 01 September 2008, but cannot bill against SLIN 300063 after 01 September 2008. Invoicing for these costs may occur after 01 September 2008.

300064 81611649 [REDACTED]

LLA :

K7 See Attachment G in Section J
Incremental funding in support of TI-12 (ODC).
NOTE: Funding for SLIN 300064 (ACRN K7) expires 30 September 2008, with a Work Completion date of 01 September 2008. The Contractor may incur costs against SLIN 300064 through 01 September 2008, but cannot bill against SLIN 300064 after 01 September 2008. Invoicing for these costs may occur after 01 September 2008.

300065 81611651 [REDACTED]

LLA :

K1 See Attachment G in Section J
Incremental funding in support of TI-13 (ODC)
NOTE: Funding for SLIN 300065 (ACRN K1) expires 30 September 2010, with a Work Completion date of 30 November 2008. The Contractor may incur costs against SLIN

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300065 through 30 November 2008, but cannot bill against SLIN 300065 after 30 November 2008. Invoicing for these costs may occur after 30 November 2008.

300066 81611843 [REDACTED]

LLA :

G9 See Attachment G in Section J

Incremental funding in support of TI-03 (ODC).

Note: This funding was deobligated from SLIN 100023 via Modification 14, per request of the TOM and concurrence with the Prime Contractor (SAIC) on 11 June 2008.

300067 81611906 [REDACTED]

LLA :

D2 See Attachment G in Section J

This funding was deobligated from SLIN 100051, via Modification 14, per request of the TOM and concurrence with the Prime Contractor (SAIC) on 11 June 2008.

300068 81832199 [REDACTED]

LLA :

K9 See Attachment G in Section J

Incremental funding in support of TI-12 (ODC)

NOTE: Funding for SLIN 300068 (ACRN K9) expires 30 September 2008, with a Work Completion date of 01 September 2008. The Contractor may incur costs against SLIN 300068 through 01 September 2008, but cannot bill against SLIN 300068 after 01 September 2008. Invoicing for these costs may occur after 01 September 2008.

300069 81832196 [REDACTED]

LLA :

L1 See Attachment G in Section J

Incremental funding in support of TI-12 (ODC)

NOTE: Funding for SLIN 300069 (ACRN L1) expires 30 September 2008, with a Work Completion date of 01 September 2008. The Contractor may incur costs against SLIN 300069 through 01 September 2008, but cannot bill against SLIN 300069 after 01 September 2008. Invoicing for these costs may occur after 01 September 2008.

MOD 14 Funding [REDACTED]

MOD 16

100065 82559653 [REDACTED]

LLA :

L3 (L3) 21 08 2020 0000 8 5L 5L05 42380600000 25FB JONO 87D299 S01021

Standard Number: MIPR8KDAVR0002

Funding in support of TI-14 (Labor)

Note: With regards to SLIN 100065 (ACRN L3), 801 Authority is applicable. The Contractor may incur costs for work performed against this SLIN for 365 days from effective date of above modification. The Contractor may continue to invoice after this date, but only for work performed during this 365 day period.

100066 82559659 [REDACTED]

LLA :

L2 (L2) 97X4930. NH1J 000 77777 0 000164 2F 000000 J2200CJ21R50

Funding in support of TI-14 (Labor)

300070 82559657 [REDACTED]

LLA :

L2 (L2) 97X4930. NH1J 000 77777 0 000164 2F 000000 J2200CJ21R50

Funding in support of TI-14 (ODCs).

MOD 16 Funding [REDACTED]

MOD 17

100059 81611658 [REDACTED]

LLA :

J6 See Attachment G in Section J

Incremental funding in support of TI-06 (Labor). NOTE: The \$80,000 assigned to SLIN 100059 of incremental funding in support of TI-06 (Labor) was deobligated due to an

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error in the line of accounting on Funding Document N0001908RX72802. Replacement funds (\$80,000) were provided via requisitions 83095761, and assigned to SLIN 100067, using Funding Document N0001908RX73880.

100067 83095761 [REDACTED]

LLA :

L4 See Attachment G in Section J

Standard Number: N0001908RX73880 (AA)

Incremental funding in support of TI-06 (Labor). Note: \$80,000 was originally assigned to SLIN 100059, but due to an error in the line of accounting on Funding Document N0001908RX72802, that amount was deobligated. Replacement funds (\$80,000) were provided via requisition 83095761, and assigned to SLIN 100067, using Funding Document N0001908RX73880.

300059 81621990 [REDACTED]

LLA :

J6 See Attachment G in Section J

Incremental funding in support of TI-06 (ODC) NOTE: \$25,000 assigned to SLIN 300059 of incremental funding in support of TI-06 (ODCs) was deobligated due to an error in the line of accounting on Funding Document N0001908RX72802. Replacement funds (\$25,000) were provided via requisition 83095762, assigned to SLIN 300071, using Funding Document N0001908RX73880.

300071 83095762 [REDACTED] 0

LLA :

L4 See Attachment G in Section J

Standard Number: n0001908RX73880 (AA)

Incremental funding in support of TI-06 (ODCs). Note: \$25,000 of incremental funding in support of TI-06 (ODCs) was originally assigned to SLIN 300059, but due to an error in the line of accounting on Funding Document N0001908RX72802, that amount was deobligated. Replacement funds (\$25,000) were provided via requisition 83095762, and assigned to SLIN 300071, using Funding Document N0001908RX73880.

MOD 17 Funding 0.00

Cumulative Funding [REDACTED]

MOD 19

100068 90227534 [REDACTED]

LLA :

L5 97X4930 NCL1A 000 85003 0 000383 7T 000000 7PRS0000RPOR (AA)

Standard Number: N0038309WXZ7501 (AA)

Incremental funding in support of TI-12 (Labor).

300072 90227547 [REDACTED]

LLA :

L5 97X4930 NCL1A 000 85003 0 000383 7T 000000 7PRS0000RPOR (AA)

Standard Number: N0038309WXZ7501 (AA)

Incremental funding in support of TI-12 (ODCs).

MOD 19 Funding [REDACTED]

MOD 21

100069 91948931 [REDACTED]

LLA :

L6 (L6) 97X4930. NH1J 000 77777 0 000164 2F 000000 J1000DJ22Z50 (AA)

Funding in support of TI-13 (Labor).

300065 81611651 [REDACTED]

LLA :

K1 1781506 47C2 252 00019 0 050120 2D 000000 HQ018RX73290 (AA)

Standard Number: N0001908RX73290

Funding in support of TI-13 (ODC).

Note: Per request of the RTA/TOM, and subsequent concurrence of the Prime Contractor, Mod 21 deobligated \$117,295 from SLIN 300065. Original obligated amount was [REDACTED] (ODC: [REDACTED]; Materials/FF: [REDACTED]00; Subcontractor: [REDACTED]). Revised obligated amount is [REDACTED] (ODC: [REDACTED]; Materials/FF: [REDACTED] Subcontractor: [REDACTED]0).

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MOD 21 Funding - [REDACTED]
[REDACTED]

MOD 22

100070 92372137 [REDACTED] 0
LLA :
K1 1781506 47C2 252 00019 0 050120 2D 000000 HQ018RX73290 (AA)
Standard Number: N0001908RX73290 (AA)
Funding in support of TI-13 (Labor - NON NAVSEA APN funding expires 30 September 2010).

MOD 22 Funding [REDACTED]
[REDACTED]

MOD 23 Funding 0.00
Cumulative Funding [REDACTED] 0

MOD 24 Funding 0.00
Cumulative Funding [REDACTED]

MOD 25

100066 82559659 [REDACTED]
LLA :
L2 (L2) 97X4930. NH1J 000 77777 0 000164 2F 000000 J2200CJ21R50
Funding in support of TI-14 (Labor).
NOTE: Mod 25 deobligated [REDACTED] 86 from [REDACTED] to [REDACTED].

MOD 25 Funding - [REDACTED]
[REDACTED]

MOD 26

100013 62687187 [REDACTED] 4)
LLA :
C5 2162040 0000 6 4B 8768 665601F3040 255Y G0 MIPR6KKNECA537 S29040 JO \$ 6G6477 M
DEP: FPLE (AA)
Standard Number: MIPR6KKNECA537 (AA)
Cost Plus Award Fee for Labor for Technical Instruction 04 (TI-04).

100021 71342742 [REDACTED] 7)
LLA :
B4 1771319 U577 251 00019 0 050119 2D 000000 PMA275AA2711 (AA)
Standard Number: N0001907RX04698 (AA)
Cost Plus Award Fee for Labor for Technical Instruction 02 (TI-02).

100027 70943765 [REDACTED]
LLA :
D6 97X4930 NH2A 311 77777 0 054219 2F 000000 011623260020 (AA)
Standard Number: N6833507RX00134 (AA)
Cost Plus Award Fee for Labor for Technical Instruction 05 (TI-05).

100036 71165094 [REDACTED]
LLA :
E6 1771506 47C2 311 00019 0 050119 2D 000000 PMA260AAAAB19 (AA)
Standard Number: N0001907RX05953 (AA)
Cost Plus Award Fee for Labor for Technical Instruction 06 (TI-06).

100038 71175398 [REDACTED]
LLA :
F3 97X4930 NH1J 000 77777 0 00164 2F 000000 41410B40R14E (AA)
Standard Number: 7D7EPTSE80T8 (AA)
Cost Plus Award Fee for Labor for Technical Instruction 07 (TI-07).

100042 72157356 [REDACTED]
LLA :
F9 1751506 J7C5 311 00019 0 050119 2D 000000 PMA201C31AA1 (AA)

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Standard Number: N0001907RX11023 (AA)
Funding in support of TI-08 (Labor).

100045 72189874 [REDACTED]

LLA :

G3 See Attachment G in Section J

Standard Number: 7D7EPR3480T8 (AA)

TI-11 (Labor)

801 Authority applies. Contractor cannot expense against labor after 23 September 2008.

100046 72189878 [REDACTED]

LLA :

G4 21 07 2020 0000 7 5L 5L05 42380600000 25FB JONO 77D279 S01021 (AA)

Standard Number: 7D7EPR3080T8 (AA)

TI-11 (Labor)

801 Authority applies. Contractor cannot expense against labor after 23 September 2008.

100047 72208629 [REDACTED] 4)

LLA :

G5 1751506 J7C5 311 00019 0 050119 2D 000000 PMA201C31AA1 (AA)

Standard Number: N0001907RX11288 (AA)

Funding in support of TI-10 (Labor).

100048 72259834 [REDACTED]

LLA :

G6 1771506 47C2 311 00019 0 050119 2D 000000 PMA260AAAAC3 (AB)

Standard Number: N0001907RX05953 (AB)

Funding in support of TI-06 (Labor).

100052 72128693 ([REDACTED])

LLA :

H9 1771506 U5CN 252 00019 0 050119 2D 000000 PMA299CA16AK (AA)

Standard Number: N0001907RX10940 (AA)

Funding in support of TI-03 (Labor).

100056 72189547 [REDACTED]

LLA :

J3 1771506 J7C5 312 00019 0 050119 2D 000000 PMA201C31AA2 (AA)

Standard Number: N0001907RX08315 (AA)

Funding in support of TI-09 (Labor).

100057 81611652 [REDACTED]

LLA :

J4 1781506 Y1CH 310 00019 0 050120 2D 000000 HQ018RX72725 (AA)

Standard Number: N0001908RX72725 (AA)

Incremental funding in support of TI-01 (Labor). NOTE: Funding for SLIN 100057 (ACRN J4) expires 30 September 2010, with a Work Completion date of 30 November 2008. The Contractor may incur costs against SLIN 100057 through 30 November 2008, but cannot bill against SLIN 100057 after 30 November 2008. Invoicing for these costs may occur after 30 November 2008.

100068 90227534 [REDACTED] 3)

LLA :

L5 97X4930 NC1A 000 85003 0 000383 7T 000000 7PRS0000RP0R (AA)

Standard Number: N0038309WXXZ7501 (AA)

Incremental funding in support of TI-12 (Labor).

100070 92372137 [REDACTED])

LLA :

K1 1781506 47C2 252 00019 0 050120 2D 000000 HQ018RX73290 (AA)

Standard Number: N0001908RX73290 (AA)

Funding in support of TI-13 (Labor - NON NAVSEA APN funding expires 30 September 2010).

300010 62297426 [REDACTED]

LLA :

B6 1751506 U1VR 252 00019 0 050119 2D 000000 PMA299BCBJ00 (AA)

Standard Number: N0001906RX09023 (AA)

Amount available for Other Direct Costs (ODCs) required to perform efforts under Technical Instruction 03 (TI-03).

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300017 71372659 [REDACTED]
 LLA :
 D3 9700XXXX4930 NC1A 260 85003 0 000383 7R 000383 7PP1000VHPHV (AA)
 Standard Number: N0038307WXZ4802 (AA)
 Amount available for Other Direct Costs (ODCs) required to perform efforts under
 Technical Instruction 03 (TI-03).

300033 71342892 [REDACTED]
 LLA :
 F4 21 7 2020 0000 7 5L 5L05 42380600000 25FB JONO: 77D299 S01021 (AA)
 Standard Number: 7D7EPR0680T8 (AA)
 Amount available for Other Direct Costs (ODCs) required to perform efforts under
 Technical Instruction 07 (TI-07).

300038 72157394 [REDACTED]
 LLA :
 F9 1751506 J7C5 311 00019 0 050119 2D 000000 PMA201C31AA1 (AA)
 Standard Number: N0001907RX11023 (AA)
 Funding in support of TI-08 (ODCs).

300040 72208637 [REDACTED]
 LLA :
 G5 1751506 J7C5 311 00019 0 050119 2D 000000 PMA201C31AA1 (AA)
 Standard Number: N0001907RX11288 (AA)
 Funding in support of TI-10 (ODCs).

300044 72259845 [REDACTED] 6)
 LLA :
 H5 97X4930. NH1J 000 77777 0 000164 2F 000000 41410B40R1P8 (AA)
 Standard Number: J57EP12480T8 (AA)
 Funding in support of TI-11 (ODCs).

300050 72128718 [REDACTED]
 LLA :
 H9 1771506 U5CN 252 00019 0 050119 2D 000000 PMA299CA16AK (AA)
 Standard Number: N0001907RX10940 (AA)
 Funding in support of TI-03 (ODCs).

300052 72189555 [REDACTED]
 LLA :
 J3 1771506 J7C5 312 00019 0 050119 2D 000000 PMA201C31AA2 (AA)
 Standard Number: N0001907RX08315 (AA)
 Funding in support of TI-09 (ODCs).

300054 72689348 [REDACTED]
 LLA :
 A2 1761506 47C2 311 00019 0 050119 2D 000000 PMA260AAAAB19 (AA)
 Standard Number: N0001906RX06690 (AA)
 Funding in support of TI-02 (ODC's).

300057 81611655 [REDACTED]
 LLA :
 J4 1781506 Y1CH 310 00019 0 050120 2D 000000 HQ018RX72725 (AA)
 Standard Number: N0001908RX72725 (AA)
 Incremental funding in support of TI-01 (ODC). NOTE: Funding for SLIN 300057 (ACRN
 J4) expires 30 September 2010, with a Work Completion date of 30 November 2008.
 The Contractor may incur costs against SLIN 300057 through 30 November 2008, but
 cannot bill against SLIN 300057 after 30 November 2008. Invoicing for these costs
 may occur after 30 November 2008.

300062 81622017 [REDACTED]
 LLA :
 K5 1781506 U1CW 251 00019 0 050120 2D 000000 HQ018RX72810 (AA)
 Standard Number: N0001908RX72810 (AA)
 Incremental funding in support of TI-06 (ODC). NOTE: Funding for SLIN 300062 (ACRN
 K5) expires 30 September 2010, with a Work Completion date of 30 November 2008.
 The Contractor may incur costs against SLIN 300062 through 30 November 2008, but
 cannot bill against SLIN 300062 after 30 November 2008. Invoicing for these costs
 may occur after 30 November 2008.

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300066 81611843 [REDACTED])

LLA :

G9 1771506 45BJ 311 00019 0 050119 2D 000000 PMA226AA431S (AB)

Standard Number: N0001907RX12659 (AB)

Incremental funding in support of TI-03 (ODC). Note: This funding was deobligated from SLIN 100023 via Modification 14, per request of the TOM and concurrence with the Prime Contractor (SAIC) on 11 June 2008.

300067 81831906 [REDACTED]

LLA :

D2 1771506 U1SH 311 00019 0 050119 2D 000000 PMA299A1C000 (AA)

Standard Number: N0001907RX05680 (AA)

This funding was deobligated from SLIN 100051, via Modification 14, per request of the TOM and concurrence with the Prime Contractor (SAIC) on 11 June 2008.

300072 90227547 [REDACTED]

LLA :

L5 97X4930 NC1A 000 85003 0 000383 7T 000000 7PRS0000RPOR (AA)

Standard Number: N0038309WXZ7501 (AA)

Incremental funding in support of TI-12 (ODCs).

MOD 26 Funding - [REDACTED]

MOD 27 Funding 0.00

Cumulative Funding [REDACTED]

MOD 28

100037 71155535 [REDACTED]

LLA :

E7 97X4930. NH1J 000 77777 0 00164 2F 000000 41410B40R0KK (AA)

Standard Number: N0001907WX04036 (AA)

Cost Plus Award Fee for Labor for Technical Instruction 06 (TI-06). NOTE: FUNDS IN THE AMOUNT OF \$1.00 ARE HEREBY DEOBLIGATED FROM [REDACTED] RESULTING IN A BALANCE OF [REDACTED] VIA MODIFICATION 28.

MOD 28 Funding - [REDACTED]

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SECTION H SPECIAL CONTRACT REQUIREMENTS

NAVSEA 5252.202 9101 ADDITIONAL DEFINITIONS (MAY 1993)

As used throughout this contract, the following terms shall have the meanings set forth below:

(a) DEPARTMENT means the Department of the Navy.

(b) REFERENCES TO THE FEDERAL ACQUISITION REGULATION (FAR) All references to the FAR in this contract shall be deemed to also reference the appropriate sections of the Defense FAR Supplement (DFARS), unless clearly indicated otherwise.

(c) REFERENCES TO ARMED SERVICES PROCUREMENT REGULATION OR DEFENSE ACQUISITION REGULATION All references in this document to either the Armed Services Procurement Regulation (ASPR) or the Defense Acquisition Regulation (DAR) shall be deemed to be references to the appropriate sections of the FAR/DFARS.

(d) NATIONAL STOCK NUMBERS Whenever the term Federal Item Identification Number and its acronym FIIN or the term Federal Stock Number and its acronym FSN appear in the contract, order or their cited specifications and standards, the terms and acronyms shall be interpreted as National Item Identification Number (NIIN) and National Stock Number (NSN) respectively which shall be defined as follows:

(1) National Item Identification Number (NIIN). The number assigned to each approved Item Identification under the Federal Cataloging Program. It consists of nine numeric characters, the first two of which are the National Codification Bureau (NCB) Code. The remaining positions consist of a seven digit non significant number.

(2) National Stock Number (NSN). The National Stock Number (NSN) for an item of supply consists of the applicable four position Federal Supply Class (FSC) plus the applicable nine position NIIN assigned to the item of supply.

CONTRACTING OFFICER'S REPRESENTATIVE (COR) / ALTERNATE CONTRACTING OFFICER'S REPRESENTATIVE (ACOR)

Effective 08 July 2008, Ms. Annette Shaw is hereby appointed as the Alternate Contracting Officer's Representative (ACOR) for this task order. As a result, the following information is provided, and has been updated in Section C, Section G, Section H and Section I:

COR Name	Contact Information	Status	Effective Date
Nona Bradley	Building 3373, Code JXM NSWC, Crane Division 300 Highway 361 Crane, IN 47522-50001 Phone: 812-854-4343 E-mail: nona.bradley@navy.mil	COR Appointment	07 January 2008
Annette Shaw	Building 3373, Code JXM NSWC, Crane Division 300 Highway 361 Crane, IN 47522-50001 Phone: 812-854-1035 E-mail: annette.shaw@navy.mil	Alternate COR Appointment	08 July 2008

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:

* **Refer to "SECTION J - Attachment G – Acct and Approp Data – Rev24 – Mod 26.xls"**

(b) The parties contemplate that the Government will allot additional amounts to this contract from time to time for the incrementally funded CLINs/SLINs by unilateral contract modification, and any such modification shall state separately the amount(s) allotted for cost, the amount(s) allotted for fee, the CLINs/SLINs covered thereby, and the period of performance which the amount(s) are expected to cover.

(c) CLINs/SLINs are fully funded and performance under these CLINs/SLINs is subject to the clause of this contract entitled "LIMITATION OF COST" (FAR 52.232 20) or "LIMITATION OF COST (FACILITIES)" (FAR 52.232 21), as applicable.

(d) The Contractor shall segregate costs for the performance of incrementally funded CLINs/SLINs from the costs of performance of fully funded CLINs/SLINs.

LIMITATION OF LIABILITY - INCREMENTAL FUNDING (JUN 2004)

This task order is incrementally funded and the amount currently available for payment hereunder is limited to **\$38,293,857.71**, inclusion 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 **\$38,293,857.71** unless additional funds are made available.

GOVERNMENT-INDUSTRY DATA EXCHANGE PROGRAM (AUG 1997) (NAVSEA 5252.227-9113)

(a) The Contractor shall participate in the appropriate interchange of the Government-Industry Data Exchange Program (GIDEP) in accordance with NAVSEA S0300-BU-GYD-010 dated November 1994. Data entered is retained by the program and provided to qualified participants. Compliance with this requirement shall not relieve the Contractor from complying with any other requirement of the contract.

(b) The Contractor agrees to insert paragraph (a) of this requirement in any subcontract hereunder exceeding \$500,000.00. When so inserted, the word "Contractor" shall be changed to "Subcontractor".

(c) GIDEP materials, software and information are available without charge from:

GIDEP Operations Center
P.O. Box 8000
Corona, CA 91718-8000
Phone: (909) 273-4677 or DSN 933-4677
FAX: (909) 273-5200
Internet: <http://www.gidep.corona.navy.mil>

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

(a) Performance of the work hereunder shall be subject to written technical instructions signed by the Contracting Officer's Representative specified in Section G of this contract. As used herein, technical instructions are defined to include the following:

(1) Directions to the Contractor which suggest pursuit of certain lines of inquiry, shift work emphasis, fill in details or otherwise serve to accomplish the contractual statement of work.

(2) Guidelines to the Contractor which assist in the interpretation of drawings, specifications or technical portions of work description.

(b) Technical instructions must be within the general scope of work stated in the contract. Technical instructions may not be used to:

(1) assign additional work under the contract;

(2) direct a change as defined in the "CHANGES" clause of this contract;

(3) increase or decrease the contract price or estimated contract amount (including fee), as applicable, the level of effort, or the time required for contract performance; or

(4) change any of the terms, conditions or specifications of the contract.

(c) If, in the opinion of the Contractor, any technical instruction calls for effort outside the scope of the contract or is inconsistent with this requirement, the Contractor shall notify the Contracting Officer in writing within ten (10) working days after the receipt of any such instruction. The Contractor shall not proceed with the work affected by the technical instruction unless and until the Contractor is notified by the Contracting Officer that the technical instruction is within the scope of this contract.

(d) Nothing in the foregoing paragraph shall be construed to excuse the Contractor from performing that portion of the contractual work statement which is not affected by the disputed technical instruction.

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

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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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SECTION I CONTRACT CLAUSES

SECTION I CONTRACT CLAUSES

NOTE: All the provisions of SECTION I of the basic contract apply to this task order (unless otherwise specified in the task order) plus the following clauses:

52.204-7 Central Contractor's Registration (OCT 2003)

52.204-10 – Reporting Executive Compensation and First-Tier Subcontract Awards (Jul 2010)

52.215-9 Changes or Additions to Make-or-Buy Program (OCT 1997)

52.215-11 Price Reduction for Defective Cost or Pricing Data – Modifications (OCT 1997)

52.215-13 Subcontractor Cost or Pricing Data – Modifications (OCT 1997)

52.216-19 Order Limitations (OCT 1995)

52.222-19 Child Labor-Cooperation with Authorities and Remedies (JUN 2004)

52.222-41 Service Contract Act of 1965, as Amended (May 1989)

52.222-44 Fair Labor Standards Act and Service Contract Act – Price Adjustment (FEB 2002)

52.223-05 Pollution Prevention and Right-To-Know Information (AUG 2003)

52.223-10 Waste Reduction Program (AUG 2000)

52.225-13 – Restrictions on Certain Foreign Purchases (MAR 2005)

52.228-05 – Insurance – Work on a Government Installation (JAN 1997)

52.228-08 - Liability and Insurance - Leased Motor Vehicles (MAY 1999)

52.228-10 - Vehicular and General Public Liability Insurance (APR 1984)

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

52.232-22 - Limitation of Funds (APR 1984)

52.237-02 – Protection of Government Buildings, Equipment, and Vegetation (APR 1984)

52.239-01 - Privacy or Security Safeguards (AUG 1996)

52.242-02 – Production Progress Reports (APR 1991)

52.244-2 Subcontracts (June 2007) – Alternate I (June 2007)

52.244(d) is hereby updated as follows:

If the Contractor has an approved purchasing system, the Contractor nevertheless shall obtain the Contracting Officer's written consent before placing the following subcontracts:

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“Any subcontract exceeding the Simplified Acquisition Threshold (\$100,000.00), inclusive of subcontractor labor, fees, and ODCs (both travel and material), not previously included in the Prime’s accepted proposal.”

52.251-01 – Government Supply Sources (APR 1984)

52.251-02 – Interagency Fleet Management System Vehicles and Related Services (JAN 1991)

52.252-6 - Authorized Deviations in Clauses (APR 1984)

252.204-7005 – Oral Attestation of Security Responsibilities (NOV 2001)

252.222-7002 – Compliance with Local Labor Laws (JUN 1997)

252.223-7006 – Prohibition on Storage and Disposal of Toxic and Hazardous Materials (APR 1993)

252.225-7004 - Reporting of Contract Performance Outside the United States (JUN 2005)

252.225-7013 – Duty-Free Entry – Qualifying Country End Products and Supplies (JUN 2005)

252.231-7000 – Supplemental Cost Principles (DEC 1991)

252.251-7000 - Ordering from Government Supply Sources (NOV 2004)

252.251-7001 – Use of Interagency Fleet Management System (IFMS) Vehicles and Related Services (DEC 1991)

NOTIFICATION OF POTENTIAL ORGANIZATIONAL CONFLICT(S) OF INTEREST (NAVSEA) (JUN 1994)

(a) Offerors are reminded that certain existing contractual arrangements may preclude, restrict or limit participation, in whole or in part, as either a subcontractor or as a prime contractor under this competitive procurement. General guidance may be found in FAR 9.505; however, this guidance is not all inclusive. The Offeror's attention is directed to the "Organizational Conflict of Interest" (or similar) requirement which may be contained in current or completed contract(s) which prohibits the prime or subcontractor from providing certain supplies or services to the Government as described above during the period of the current "support" contract(s) or for a period after completion of the "support" contract(s). Notwithstanding the existence or non existence of an Organizational Conflict of Interest (OCI) clause or similar requirement in current or completed contract(s), the offeror shall comply with FAR 9.5 and identify whether an OCI exists and not rely solely on the presence of an OCI requirement.

(b) If a potential conflict of interest exists at any tier, each potential prime offeror is requested to notify the Contracting Officer within 14 days of the date of this solicitation. The Offeror shall provide: (1) the contract number and name and phone number of the Contracting Officer for the contract which gives rise to a potential organizational conflict of interest; (2) a copy of the requirement; (3) the statement of work (or technical instruction) from the existing contract; (4) a brief description of the type of work to be performed by each subcontractor under the competitive procurement; and (5) any additional information the Contracting Officer should consider in making a determination of whether a conflict of interest exists. The Government may independently verify the information received from the offeror. Notwithstanding the above, the Government reserves the right to determine whether a conflict of interest exists based on any information received from any source.

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(c) The Government will notify an offeror of any conflict of interest within 14 days of receipt of all required information. Those offerors deemed to have a conflict of interest may be ineligible for award. Failure to provide the information in a timely manner does not waive the Government's rights to make a conflict of interest determination. The offeror is notified that if it expends time and money on proposal preparation, such expenditure is at its own risk that the Government will not determine that an organizational conflict of interest exists.

(d) Any potential prime contractor which proposes a subcontractor later determined to have a conflict of interest and deemed ineligible to participate in the current competition, may not be granted the opportunity to revise its proposal to remove the ineligible subcontractor. The Government reserves the right to determine which offerors remain in the competitive range through the normal source selection process.

(e) If the offeror determines that a potential organizational conflict of interest does not exist at any tier, the offeror shall include a statement to that effect in its response to this solicitation.

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 committed itself in **AMSEC, LLC/SAIC Proposal 9161.037** dated **24 October 2005** in response to NSWC Crane Solicitation No. **N00024-05-R-3283**.

(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.

ELECTRONIC SUBMISSION OF INVOICES/VOUCHERS -- Services

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

INVOICING INSTRUCTIONS AND PAYMENT FOR SERVICES

Invoices for services rendered under this Contract shall be submitted electronically through Wide Area Work Flow – Receipt and Acceptance (WAWF):

The vendor shall self-register at the web site <https://wawf.eb.mil>. Vendor training is available on the internet at <https://wawftraining.eb.mil>. Additional support can be accessed by calling the NAVY WAWF Assistance Line: 1-800-559-WAWF (9293).

Select the Cost Voucher within WAWF as the invoice type. The cost voucher prepares the interim voucher.

Back up documentation (such as timesheets, cost breakdowns, etc.) can be included and attached to the invoice in WAWF.

Attachments created in any Microsoft Office product are attachable to the invoice in WAWF.

The following information regarding <Insert Activity Name Here> is provided for completion of the invoice in WAWF:

WAWF Invoice Type

<Insert Correct Invoice Type Here – cost voucher

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for service type contracts, possible 2n1 service invoices for T&M/LH/FFP-LOE, or combo for supplies>

Issuing Office DODAAC <Insert the UIC of the activity who issued the contract>

Admin DODAAC: <Insert the UIC of the activity who administers the contract>

DCAA DODAAC (if applicable) <Insert the UIC of the activity who inspects the contract> Not applicable to service 2n1

Acceptor DODAAC: <Insert the UIC of the activity who accepts the contract>

LPO DODAAC: <Insert the UIC of the activity who certifies the contract> Not Applicable to Columbus Pay contracts

PAY DODAAC: <Insert the UIC of the activity who pays the contract>

The contractor shall submit invoices for payment per contract terms.

The Government shall process invoices for payment per contract terms.

After clicking the submit button a Notice or successful/unsuccessful submission screen will appear. This screen allows you to enter an additional e-mail notification address. You must click on the "Send More E-mail Notifications" link and add the above e-mail address for submittal of the acceptor:

COR Information:

NSWC CRANE
 Attn: Nona Bradley
 Building 3373, Code JXM
 300 Highway 361
 Crane IN 47522-5001
 Phone: 812-854-4343
 E-mail: nona.bradley@navy.mil

Alternate Contracting Officer's Representative (ACOR)

Effective 08 July 2008, Ms. Annette Shaw is hereby appointed as the **Alternate Contracting Officer's Representative (ACOR)** for this task order.

Annette Shaw
 NSWC Crane Division
 Building 3373, Code JXM
 300 Highway 361
 Crane, IN, 47522-5001
 E-mail annette.shaw@navy.mil
 Telephone 812-854-1035

Additional WAWF Information:

Check if applicable:

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* On the Miscellaneous Tab of the invoice in WAWF attach the cost breakdown for the cost voucher amount being submitted IAW the invoicing instructions.

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SECTION J LIST OF ATTACHMENTS

Document/Exhibit/Other Attachments Title	Date	Pages
Attachment A - DD Form 254 (Post-Award)	05/09/2006	3
Attachment C - DOL SCA Wage Determination 05-2183 (Rev 6)	06/03/2008	12
Attachment G – Acct and Approp Data, Rev 25, Mod 28.pdf	03/13/2013	3
Exhibit 1 (Exhibit1_Funding_Notification_Letter_Example.pdf)	06/16/2009	1
Exhibit 2 (Exhibit2_Funding_Notification_CDRL_B011.pdf)	05/01/2009	1