

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE U	PAGE OF PAGES 1   2	
2. AMENDMENT/MODIFICATION NO. 21	3. EFFECTIVE DATE 01-Jun-2010	4. REQUISITION/PURCHASE REQ. NO. 93505371		5. PROJECT NO. (If applicable) N/A
6. ISSUED BY NSWC, PANAMA CITY 110 Vernon Avenue Panama City FL 32407-7001 vaughn.lasater@navy.mil 850-235-5058	CODE N61331	7. ADMINISTERED BY (If other than Item 6) DCMA MARYLAND 217 EAST REDWOOD STREET, SUITE 1800 BALTIMORE MD 21202-5299		CODE S2101A

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)  
ARINC Engineering Services, LLC  
2551 Riva Road  
Annapolis MD 21401

CAGE CODE 1WAV4 FACILITY CODE 075916762	9A. AMENDMENT OF SOLICITATION NO.
	9B. DATED (SEE ITEM 11)
	10A. MODIFICATION OF CONTRACT/ORDER NO. N00178-04-D-4016-HR16
	10B. DATED (SEE ITEM 13) 22-Dec-2008

**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.**

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

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

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)  
SEE PAGE 2

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Joan R Troutman, Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY /s/Joan R Troutman	02-Jun-2010
		(Signature of Contracting Officer)	

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## GENERAL INFORMATION

The purpose of this modification is to correct the de-obligation amount on SLIN 400010 executed on modification 20. The previous modification de-obligated more money than was remaining on the SLIN. Accordingly, said Task Order is modified as follows:

	FROM	BY	TO
<b>FUNDED LABOR</b>			
<b>FUNDED FEE</b>			
<b>FUNDED ODC</b>			
<b>TOTAL</b>			

The Limitation of Funds Clause is in effect. This Task Order is incrementally funded and FAR Clause 52.232-22 titled "Limitation of Funds" (APR 1984) is applicable and in effect. The amount of funding, which includes a fixed fee of is the maximum amount reimbursable under this Task Order prior to its modification to provide additional funds. The amount of shall not be exceeded until this Task Order is modified to provide additional funding. This amount shall only be exceeded at the Contractor's own risk and the Government shall not be liable for costs incurred above the funded amount. The Contractor shall notify the Contracting Officer, in writing, whenever it has reason to believe that the costs it expects to incur under this contract in the next 60 days, when added to all costs previously incurred, will exceed 75 percent of the funded amount for this Task Order.

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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	Fixed Fee	CPFF
-----				
1000	Provide services for Engineering and Technical Support for the Mine Warfare Systems Department, for all tasks within the Statement of Work, Section C, DD Form 254 and Contract Data Requirements List (CDRL), DD1423 (RDT&E)			
100001	Incremental Funding PR# 90238848 Amount:  In accordance with TI# 1 (RDT&E)			
100002	Incremental Funding PR# 90238966 Amount:  In accordance with TI# 1 (RDT&E)			
100003	Incremental Funding PR# 90238968 Amount:  In accordance with TI# 1 (RDT&E)			
100004	Incremental Funding PR# 90238969 Amount:  In accordance with TI# 1 (RDT&E)			
100005	Incremental Funding PR# 90238970			

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Amount :

In accordance  
with TI# 1  
(RDT&E)

100006 Incremental  
Funding  
PR# 90270549  
Amount :

In accordance  
with TI# 2  
(RDT&E)

100007 Incremental  
Funding  
PR# 90270541  
Amount :

In accordance  
with TI# 2  
(RDT&E)

100008 Incremental  
Funding  
PR# 90238967  
Amount :

In accordance  
with TI# 3  
(RDT&E)

100009 Incremental  
Funding  
PR# 90238971  
In accordance  
With TI# 0011  
(RDT&E)

100010 Incremental  
Funding  
In accordance  
with TI# 0006  
(RDT&E)

100011 Incremental  
Funding  
In accordance  
with TI# 0006  
(RDT&E)

100012 Incremental  
Funding  
In accordance  
with TI# 0006  
(RDT&E)

100013 Incremental  
Funding  
In accordance  
with TI# 0020  
(RDT&E)

100014 Incremental

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Funding  
 In accordance  
 with TI# 0008  
 (RDT&E)

100015 Incremental  
 Funding  
 In accordance  
 with TI# 0008  
 (RDT&E)

100016 Incremental  
 Funding  
 In accordance  
 with TI# 0025  
 (RDT&E)

100017 Incremental  
 Funding  
 In accordance  
 with TI# 0025  
 (RDT&E)

100018 Incremental  
 Funding  
 In accordance  
 with TI# 0025  
 (RDT&E)

100019 Incremental  
 Funding  
 In accordance  
 with TI# 0025  
 (RDT&E)

100020 Incremental  
 Funding  
 In accordance  
 with TI# 0028  
 (RDT&E)

100021 Incremental  
 Funding  
 In accordance  
 with TI# 0032  
 (RDT&E)

100022 Incremental  
 Funding (RDT&E)

100023 Incremental  
 Funding (RDT&E)

1001 Provide services  
 for Engineering  
 and Technical  
 Support for the  
 Mine Warfare  
 Systems  
 Department, for  
 all tasks within  
 the Statement of  
 Work, Section C,  
 DD Form 254 and  
 Contract Data

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Requirements List  
(CDRL), DD1423  
(OPN)

100101 Incremental  
Funding  
PR# 83513343  
(OPN)

100102 Incremental  
Funding  
PR# 83513341  
(OPN)

100103 Incremental  
Funding  
PR# 90361991  
In accordance  
with TI# 0010  
(OPN)

100104 Incremental  
Funding  
In accordance  
with TI# 0014  
(OPN)

100105 Incremental  
Funding  
In accordance  
with TI# 0019  
(OPN)

100106 Incremental  
Funding  
In accordance  
with TI# 0018  
(OPN)

100107 Incremental  
Funding  
In accordance  
with TI# 0027  
(OPN)

100108 Incremental  
Funding  
In accordance  
with TI# 0029  
(OPN)

100109 Incremental  
Funding (OPN)

100110 Incremental  
Funding (OPN)

100111 Incremental  
Funding (OPN)

100112 Incremental  
Funding (OPN)

100113 Incremental  
Funding (OPN)

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100114 Incremental  
Funding (OPN)

1002 Provide services  
for Engineering  
and Technical  
Support for the  
Mine Warfare  
Systems  
Department, for  
all tasks within  
the Statement of  
Work, Section C,  
DD Form 254 and  
Contract Data  
Requirements List  
(CDRL), DD1423  
(O&MN,N)

100201 Incremental  
Funding  
PR# 83513322  
(O&MN,N)

100202 Incremental  
Funding  
PR# 90412487  
In accordance  
with TI# 0009  
(O&MN,N)

100203 Incremental  
Funding  
PR# 90432891  
In accordance  
with TI# 0009  
(O&MN,N)

100204 Incremental  
Funding  
PR# 90442976  
In accordance  
with TI# 0007  
(O&MN,N)

100205 Incremental  
Funding  
PR# 90442990  
In accordance  
with TI# 0009  
(O&MN,N)

100206 Incremental  
Funding  
PR# 90442991  
In accordance  
with TI# 0009  
(O&MN,N)

100207 Incremental  
Funding  
In accordance  
with TI# 0012  
(O&MN,N)

CONTRACT NO.	DELIVERY ORDER NO.	AMENDMENT/MODIFICATION NO.	PAGE	FINAL
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100208 Incremental  
Funding  
In accordance  
with TI# 0013  
(O&MN,N)

100209 Incremental  
Funding  
In accordance  
with TI# 0022  
(O&MN,N)

100210 Incremental  
Funding  
In accordance  
with TI# 0023  
(O&MN,N)

100211 Incremental  
Funding  
In accordance  
with TI# 0026  
(O&MN,N)

100212 Incremental  
Funding  
In accordance  
with TI# 0026  
(O&MN,N)

100213 Incremental  
Funding  
In accordance  
with TI# 0026  
(O&MN,N)

100214 Incremental  
Funding  
In accordance  
with TI# 0026  
(O&MN,N)

100215 Incremental  
Funding  
In accordance  
with TI# 0031  
(O&MN,N)

100216 Incremental  
Funding  
In accordance  
with TI# 0031  
(O&MN,N)

100217 Incremental  
Funding  
In accordance  
with TI# 0033  
(O&MN,N)

100218 Incremental  
Funding  
In accordance  
with TI# 0034

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(O&MN,N)

100219 Funding for this  
SLIN has been  
de-obligated  
(O&MN,N)

100220 Incremental  
Funding  
In accordance  
with TI# 0036  
(O&MN,N)

100221 Incremental  
Funding  
In accordance  
with TI# 0035  
(O&MN,N)

100222 Incremental  
Funding (O&MN,N)

100223 Incremental  
Funding (O&MN,N)

100224 Incremental  
Funding (O&MN,N)

100225 Incremental  
Funding (O&MN,N)

100226 Incremental  
Funding (O&MN,N)

100227 Incremental  
Funding (O&MN,N)

1003 Provide services  
for Engineering  
and Technical  
Support for the  
Mine Warfare  
Systems  
Department, for  
all tasks within  
the Statement of  
Work, Section C,  
DD Form 254 and  
Contract Data  
Requirements List  
(CDRL), DD1423  
(FMS Case #EG-9-S  
CB)

100301 Incremental  
Funding  
In accordance  
with TI# 0016  
  
(FMS Case #EG-9-S  
CB)

100302 Incremental  
Funding  
In accordance

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with TI# 0016

(FMS Case #EG-9-S  
CB)

100303 Incremental  
Funding  
In accordance  
with TI# 0015

(FMS Case #EG-9-S  
CB)

100304 Incremental  
Funding  
In accordance  
with TI# 0015

(FMS Case #EG-9-S  
CB)

100305 Incremental  
Funding  
In accordance  
with TI# 0015

(FMS Case #EG-9-S  
CB)

100306 Incremental  
Funding  
In accordance  
with TI# 0015

(FMS Case #EG-9-S  
CB)

100307 Incremental  
Funding  
In accordance  
with TI# 0021

(FMS Case #EG-9-S  
CB)

100308 Incremental  
Funding  
In accordance  
with TI# 0030

(FMS Case #EG-9-S  
CB)

100309 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

100310 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

For ODC Items:

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Item    Supplies/Services Qty                    Unit Est. Cost  
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3000    Other Direct  
         Costs to support  
         CLIN 1000 (RDT&E)

300001 Incremental  
         Funding  
         PR# 90270550  
         Amount:

         In accordance  
         with TI# 2  
         (RDT&E)

300002 Incremental  
         Funding  
         PR# 90270548  
         Amount:

         In accordance  
         with TI# 2  
         (RDT&E)

300003 Incremental  
         Funding  
         In accordance  
         with TI# 0017  
         (RDT&E)

300004 Incremental  
         Funding  
         In accordance  
         with TI# 0028  
         (RDT&E)

300005 Incremental  
         Funding (RDT&E)

3001    Other Direct  
         Costs to support  
         CLIN 1001 (OPN)

300101 Incremental  
         Funding  
         PR# 83503239  
         (OPN)

300102 Incremental  
         Funding  
         PR# 83513343  
         (OPN)

300103 Incremental  
         Funding  
         PR# 90361992  
         In accordance  
         with TI 0010  
         (OPN)

300104 Incremental  
         Funding  
         In accordance

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with TI# 0014  
(OPN)

300105 Incremental  
Funding  
In accordance  
with TI# 0019  
(OPN)

300106 Incremental  
Funding  
In accordance  
with TI# 0018  
(OPN)

300107 Incremental  
Funding  
In accordance  
with TI# 0024  
(OPN)

300108 Incremental  
Funding  
In accordance  
with TI# 0027  
(OPN)

300109 Incremental  
Funding  
In accordance  
with TI# 0029  
(OPN)

300110 Incremental  
Funding (OPN)

300111 Incremental  
Funding (OPN)

300112 Incremental  
Funding (OPN)

300113 Incremental  
Funding (OPN)

3002 Other Direct  
Costs to support  
CLIN 1002  
(O&MN,N)

300201 Incremental  
Funding  
PR# 83513325  
(O&MN,N)

300202 Incremental  
Funding  
In accordance  
with TI# 0012  
(O&MN,N)

300203 Incremental  
Funding  
In accordance  
with TI# 0026

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(O&MN,N)

300204 Incremental  
Funding  
In accordance  
with TI# 0026  
(O&MN,N)

300205 Incremental  
Funding  
In accordance  
with TI# 0031  
(O&MN,N)

300206 Incremental  
Funding  
In accordance  
with TI# 0031  
(O&MN,N)

300207 Incremental  
Funding  
In accordance  
with TI# 0036  
(O&MN,N)

300208 Incremental  
Funding  
In accordance  
with TI# 0034  
(O&MN,N)

300209 Incremental  
Funding (O&MN,N)

300210 Incremental  
Funding (O&MN,N)

300211 Incremental  
Funding (O&MN,N)

300212 Incremental  
Funding (O&MN,N)

300213 Incremental  
Funding (O&MN,N)

3003 Other Direct  
Costs to support  
CLIN 1003  
(FMS Case #EG-9-S  
CB)

300301 Incremental  
Funding  
In accordance  
with TI# 0016  
  
(FMS Case #EG-9-S  
CB)

300302 Incremental  
Funding  
In accordance  
with TI# 0015

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(FMS Case #EG-9-S  
CB)

300303 Incremental  
Funding  
In accordance  
with TI# 0015

(FMS Case #EG-9-S  
CB)

300304 Incremental  
Funding  
In accordance  
with TI# 0015

(FMS Case #EG-9-S  
CB)

300305 Incremental  
Funding  
In accordance  
with TI# 0021

(FMS Case #EG-9-S  
CB)

300306 Incremental  
Funding  
In accordance  
with TI# 0030  
(FMS Case #EG-9-S  
CB)

300307 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

For Cost Type Items:

Item	Supplies/Services Qty	Unit Est. Cost	Fixed Fee	CPFF
-----	-----	-----	-----	-----
4000	Provide services for Engineering and Technical Support for the Mine Warfare Systems Department, for all tasks within the Statement of Work, Section C, DD Form 254 and Contract Data Requirements List (CDRL), DD 1423. (RDT&E)			
400001	Incremental Funding (RDT&E)			

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400002 Incremental  
Funding (RDT&E)

400003 Incremental  
Funding (RDT&E)

400004 Incremental  
Funding (RDT&E)

400005 Incremental  
Funding (RDT&E)

400006 Incremental  
Funding (RDT&E)

400007 Incremental  
Funding (RDT&E)

400008 Incremental  
Funding (RDT&E)

400009 Incremental  
Funding (RDT&E)

400010 Incremental  
Funding (RDT&E)

400011 Incremental  
Funding (RDT&E)

400012 Incremental  
Funding (RDT&E)

400013 Incremental  
Funding (RDT&E)

400014 Incremental  
Funding (RDT&E)

400015 Incremental  
Funding (RDT&E)

400016 Incremental  
Funding (RDT&E)

400017 Incremental  
Funding (RDT&E)

400018 Incremental  
Funding (RDT&E)

400019 Incremental  
Funding (RDT&E)

400020 Incremental  
Funding (RDT&E)

400021 Incremental  
Funding (RDT&E)

400022 Incremental  
Funding (RDT&E)

400023 Incremental  
Funding (RDT&E)

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400024 Incremental  
Funding (RDT&E)

400025 Incremental  
Funding (RDT&E)

400026 Incremental  
Funding (RDT&E)

400027 Incremental  
Funding (RDT&E)

400028 Incremental  
Funding (RDT&E)

400029 Incremental  
Funding (RDT&E)

400030 Incremental  
Funding (RDT&E)

4001 Provide services  
for Engineering  
and Technical  
Support for the  
Mine Warfare  
Systems  
Department, for  
all tasks within  
the Statement of  
Work, Section C,  
DD Form 254 and  
Contract Data  
Requirements List  
(CDRL), DD 1423.  
(OPN)

400101 Incremental  
Funding (OPN)

400102 Incremental  
Funding (OPN)

400103 Incremental  
Funding (OPN)

400104 Incremental  
Funding (OPN)

400105 Incremental  
Funding (OPN)

400106 Incremental  
Funding (OPN)

400107 Incremental  
Funding (OPN)

400108 Incremental  
Funding (OPN)

400109 Incremental  
Funding (OPN)

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400110 Incremental  
Funding (OPN)

400111 Incremental  
Funding (OPN)

400112 Incremental  
Funding (OPN)

400113 Incremental  
Funding (OPN)

400114 Incremental  
Funding (OPN)

400115 Incremental  
Funding (OPN)

400116 Incremental  
Funding (OPN)

400117 Incremental  
Funding (OPN)

400118 Incremental  
Funding (OPN)

400119 Incremental  
Funding (OPN)

400120 Incremental  
Funding (OPN)

400121 Incremental  
Funding (OPN)

400122 Incremental  
Funding (OPN)

400123 Incremental  
Funding (OPN)

4002 Provide services  
for Engineering  
and Technical  
Support for the  
Mine Warfare  
Systems  
Department, for  
all tasks within  
the Statement of  
Work, Section C,  
DD Form 254 and  
Contract Data  
Requirements List  
(CDRL), DD 1423.  
(O&MN,N)

400201 Incremental  
Funding (O&MN,N)

400202 Incremental  
Funding (O&MN,N)

400203 Incremental

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Funding (O&MN,N)

400204 Incremental  
Funding (O&MN,N)

400205 Incremental  
Funding (O&MN,N)

400206 Incremental  
Funding (O&MN,N)

400207 Incremental  
Funding (O&MN,N)

400208 Incremental  
Funding (O&MN,N)

400209 Incremental  
Funding (O&MN,N)

400210 Incremental  
Funding (O&MN,N)

400211 Incremental  
Funding (O&MN,N)

400212 Incremental  
Funding (O&MN,N)

400213 Incremental  
Funding (O&MN,N)

400214 Incremental  
Funding (O&MN,N)

400215 Incremental  
Funding (O&MN,N)

400216 Incremental  
Funding (O&MN,N)

400217 Incremental  
Funding (O&MN,N)

400218 Incremental  
Funding (O&MN,N)

400219 Incremental  
Funding (O&MN,N)

400220 Incremental  
Funding (O&MN,N)

400221 Incremental  
Funding (O&MN,N)

400222 Incremental  
Funding (O&MN,N)

400223 Incremental  
Funding (O&MN,N)

400224 Incremental  
Funding (O&MN,N)

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- 400225 Incremental  
Funding (O&MN,N)
- 400226 Incremental  
Funding (O&MN,N)
- 400227 Incremental  
Funding (O&MN,N)
- 400228 Incremental  
Funding (O&MN,N)
- 400229 Incremental  
Funding (O&MN,N)
- 400230 Incremental  
Funding (O&MN,N)
- 400231 Incremental  
Funding (O&MN,N)
- 400232 Incremental  
Funding (O&MN,N)
- 400233 Incremental  
Funding (O&MN,N)
- 400234 Incremental  
Funding (O&MN,N)
- 400235 Incremental  
Funding (O&MN,N)
- 400236 Incremental  
Funding (O&MN,N)
- 400237 Incremental  
Funding (O&MN,N)
- 400238 Incremental  
Funding (O&MN,N)
- 400239 Incremental  
Funding (O&MN,N)
- 400240 Incremental  
Funding (O&MN,N)
- 400241 Incremental  
Funding (O&MN,N)
- 400242 Incremental  
Funding (O&MN,N)
- 400243 Incremental  
Funding (O&MN,N)
- 400244 Incremental  
Funding (O&MN,N)
- 400245 Incremental  
Funding (O&MN,N)
- 400246 Incremental  
Funding (O&MN,N)

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400247 Incremental  
Funding (O&MN,N)

400248 Incremental  
Funding (O&MN,N)

400249 Incremental  
Funding (O&MN,N)

400250 Incremental  
Funding (O&MN,N)

400251 Incremental  
Funding (O&MN,N)

400252 Incremental  
Funding (O&MN,N)

400253 Incremental  
Funding (O&MN,N)

400254 Incremental  
Funding (O&MN,N)

400255 Incremental  
Funding (O&MN,N)

400256 Incremental  
Funding (O&MN,N)

400257 Incremental  
Funding (O&MN,N)

400258 Incremental  
Funding (O&MN,N)

400259 Incremental  
Funding (O&MN,N)

4003 Provide services  
for Engineering  
and Technical  
Support for the  
Mine Warfare  
Systems  
Department, for  
all tasks within  
the Statement of  
Work, Section C,  
DD Form 254 and  
Contract Data  
Requirements List  
(CDRL), DD 1423.  
(FMS Case #EG-9-S  
CB)

400301 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

400302 Incremental  
Funding  
(FMS Case #EG-9-S)

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CB)

400303 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

400304 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

400305 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

400306 Incremental  
Funding  
(FMS Case #EG-9-S  
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400307 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

400308 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

400309 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

400310 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

400311 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

400312 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

400313 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

400314 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

400315 Incremental  
Funding  
(FMS Case #EG-9-S

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CB)

400316 Incremental  
Funding  
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400317 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

400318 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

400319 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

400320 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

400321 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

4004 Provide services  
for Engineering  
and Technical  
Support for the  
Mine Warfare  
Systems  
Department, for  
all tasks within  
the Statement of  
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(CDRL), DD1423  
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4005 Provide services  
for Engineering  
and Technical  
Support for the  
Mine Warfare  
Systems  
Department, for  
all tasks within  
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(OPN)

4006 Provide services

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Requirements List  
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4007 Provide services  
for Engineering  
and Technical  
Support for the  
Mine Warfare  
Systems  
Department, for  
all tasks within  
the Statement of  
Work, Section C,  
DD Form 254 and  
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Requirements List  
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CB)

4008 Provide services  
for Engineering  
and Technical  
Support for the  
Mine Warfare  
Systems  
Department, for  
all tasks within  
the Statement of  
Work, Section C,  
DD Form 254 and  
Contract Data  
Requirements List  
(CDRL), DD1423  
(RDT&E)

4009 Provide services  
for Engineering  
and Technical  
Support for the  
Mine Warfare  
Systems  
Department, for  
all tasks within  
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4010 Provide services

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and Technical  
Support for the  
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Contract Data  
Requirements List  
(CDRL), DD1423  
(O&MN,N)

4011 Provide services  
for Engineering  
and Technical  
Support for the  
Mine Warfare  
Systems  
Department, for  
all tasks within  
the Statement of  
Work, Section C,  
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Contract Data  
Requirements List  
(CDRL), DD1423  
(FMS Case #EG-9-S  
CB)

4012 Provide services  
for Engineering  
and Technical  
Support for the  
Mine Warfare  
Systems  
Department, for  
all tasks within  
the Statement of  
Work, Section C,  
DD Form 254 and  
Contract Data  
Requirements List  
(CDRL), DD1423  
(RDT&E)

4013 Provide services  
for Engineering  
and Technical  
Support for the  
Mine Warfare  
Systems  
Department, for  
all tasks within  
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Requirements List  
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4014 Provide services

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for Engineering  
and Technical  
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Requirements List  
(CDRL), DD1423  
(O&MN,N)

4015 Provide services  
for Engineering  
and Technical  
Support for the  
Mine Warfare  
Systems  
Department, for  
all tasks within  
the Statement of  
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Contract Data  
Requirements List  
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(FMS Case #EG-9-S  
CB)

For ODC Items:

Item	Supplies/Services Qty	Unit Est. Cost
-----		
6000	Other Direct Costs to support CLIN 4000 (RDT&E)	
600001	Incremental Funding (RDT&E)	
600002	Incremental Funding (RDT&E)	
600003	Incremental Funding (RDT&E)	
600004	Incremental Funding (RDT&E)	
600005	Incremental Funding (RDT&E)	
600006	Incremental Funding (RDT&E)	
600007	Incremental Funding (RDT&E)	
600008	Incremental Funding (RDT&E)	

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600009 Incremental  
Funding (RDT&E)

600010 Incremental  
Funding (RDT&E)

600011 Incremental  
Funding (RDT&E)

600012 Incremental  
Funding (RDT&E)

600013 Incremental  
Funding (RDT&E)

600014 Incremental  
Funding (RDT&E)

600015 Incremental  
Funding (RDT&E)

600016 Incremental  
Funding (RDT&E)

600017 Incremental  
Funding (RDT&E)

600018 Incremental  
Funding (RDT&E)

600019 Incremental  
Funding (RDT&E)

6001 Other Direct  
Costs to support  
CLIN 4001 (OPN)

600101 Incremental  
Funding (OPN)

600102 Incremental  
Funding (OPN)

600103 Incremental  
Funding (OPN)

600104 Incremental  
Funding (OPN)

600105 Incremental  
Funding (OPN)

600106 Incremental  
Funding (OPN)

600107 Incremental  
Funding (OPN)

600108 Incremental  
Funding (OPN)

600109 Incremental  
Funding (OPN)

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600110 Incremental  
Funding (OPN)

600111 Incremental  
Funding (OPN)

600112 Incremental  
Funding (OPN)

600113 Incremental  
Funding (OPN)

600114 Incremental  
Funding (OPN)

600115 Incremental  
Funding (OPN)

600116 Incremental  
Funding (OPN)

6002 Other Direct  
Costs to support  
CLIN 4002  
(O&MN,N)

600201 Incremental  
Funding (O&MN,N)

600202 Incremental  
Funding (O&MN,N)

600203 Incremental  
Funding (O&MN,N)

600204 Incremental  
Funding (O&MN,N)

600205 Incremental  
Funding (O&MN,N)

600206 Incremental  
Funding (O&MN,N)

600207 Incremental  
Funding (O&MN,N)

600208 Incremental  
Funding (O&MN,N)

600209 Incremental  
Funding (O&MN,N)

600210 Incremental  
Funding (O&MN,N)

600211 Incremental  
Funding (O&MN,N)

600212 Incremental  
Funding (O&MN,N)

600213 Incremental  
Funding (O&MN,N)

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600214 Incremental  
Funding (O&MN,N)

600215 Incremental  
Funding (O&MN,N)

600216 Incremental  
Funding (O&MN,N)

600217 Incremental  
Funding (O&MN,N)

600218 Incremental  
Funding (O&MN,N)

600219 Incremental  
Funding (O&MN,N)

600220 Incremental  
Funding (O&MN,N)

600221 Incremental  
Funding (O&MN,N)

600222 Incremental  
Funding (O&MN,N)

600223 Incremental  
Funding (O&MN,N)

600224 Incremental  
Funding (O&MN,N)

600225 Incremental  
Funding (O&MN,N)

600226 Incremental  
Funding (O&MN,N)

600227 Incremental  
Funding (O&MN,N)

600228 Incremental  
Funding (O&MN,N)

600229 Incremental  
Funding (O&MN,N)

6003 Other Direct  
Costs to support  
CLIN 4003  
(FMS Case #EG-9-S  
CB)

600301 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

600302 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

600303 Incremental

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Funding  
(FMS Case #EG-9-S  
CB)

600304 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

600305 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

600306 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

600307 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

600308 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

600309 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

600310 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

600311 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

600312 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

600313 Incremental  
Funding  
(FMS Case #EG-9-S  
CB)

6004 Other Direct  
Costs to support  
CLIN 4004 (RDT&E)

6005 Other Direct  
Costs to support  
CLIN 4005 (OPN)

6006 Other Direct  
Costs to support  
CLIN 4006

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(O&MN,N)

- 6007 Other Direct  
Costs to support  
CLIN 4007  
(FMS Case #EG-9-S  
CB)
- 6008 Other Direct  
Costs to support  
CLIN 4008 (RDT&E)
- 6009 Other Direct  
Costs to support  
CLIN 4009 (OPN)
- 6010 Other Direct  
Costs to support  
CLIN 4010  
(O&MN,N)
- 6011 Other Direct  
Costs to support  
CLIN 4011  
(FMS Case #EG-9-S  
CB)
- 6012 Other Direct  
Costs to support  
CLIN 4012 (RDT&E)
- 6013 Other Direct  
Costs to support  
CLIN 4013 (OPN)
- 6014 Other Direct  
Costs to support  
CLIN 4014  
(O&MN,N)
- 6015 Other Direct  
Costs to support  
CLIN 4015  
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## **SECTION C DESCRIPTIONS AND SPECIFICATIONS**

### **STATEMENT OF WORK**

#### **FOR**

#### **MINE WARFARE (MW) AND SURFACE MINE COUNTERMEASURES (SMCM) DESIGN AGENT (DA), TECHNICAL DIRECTION AGENT (TDA), IN-SERVICE ENGINEERING AGENT (ISEA), AND FOREIGN MILITARY SALES (FMS) SUPPORT 30 April 2007**

#### **1.0 SCOPE**

The Naval Surface Warfare Center Panama City (NSWC PC) has overall DA, TDA, ISEA, and SSA responsibility for MW naval mining and SMCM systems installed on the MCM class ships, unmanned underwater vehicles, and unmanned surface vehicles. Responsibilities include developing acquisition documentation, hardware and software development/modification and installation, logistics planning and implementation, test and evaluation support, and Foreign Military Sales (FMS) support. Day-to-day tasks include program management, systems engineering, and logistics support to the combat systems to meet program sponsor requirements. The scope of this contract includes the efforts of the contractor to support the NSWC PC TDA, DA, ISEA and FMS duties aforementioned. The Contractor shall provide those non-personal programmatic, technical, engineering and logistics services necessary to perform the tasks identified herein.

#### **2.0 APPLICABLE DOCUMENTS**

None

#### **3.0 REQUIREMENTS**

##### **3.1 Design Agent (DA)/Technical Direction Agent (TDA) Support (RDT&E)**

The Contractor shall provide the full spectrum of research, development, test and evaluation support to the SMCM DA/TDA as required in the following paragraphs.

##### **3.1.1 Acquisition Support**

The contractor shall provide support to assist the Government in the development, update, and maintenance of systems engineering and acquisition documentation for the NSWC TDA organization. This documentation will consist of Initial Capability Documents (ICD), Capability Development Documents (CDD), Capability Production Documents (CPD), Systems Engineering Plans, System Design Documents, Acquisition Program Baseline Documentation, Risk Management Plans, Software Development Plans, Software Certification Plans, System Safety Plans, Human Systems Integration Plans, Test and Evaluation Master Plans (TEMP), Tactics Plans, Security Classification Guide, Analyses of Alternatives and other documents as required by the Joint Capabilities Integration and Development System (JCIDS). The Contractor shall provide systems engineering and analysis support to perform system engineering and develop performance specifications to establish functional configuration baselines for the system and/or prime items including computer programs under development.

##### **3.1.2 Engineering Support**

The contractor shall provide engineering and technical support to include design, analysis, troubleshooting, installation, independent verification and validation or audits, and test and evaluation. The contractor shall provide engineering and

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technical support consisting of system, electrical, electronics, mechanical, and industrial engineering. Specialty fields shall consist of acoustics/sonar engineering, optics, navigation systems, explosives, and naval architecture. The Contractor shall perform or direct research, development, test and simulations to investigate problems; review development and scientific programs as well as engineering proposals for their impact on engineering concepts, design, safety and performance; support systems engineering and analysis related to test and evaluation programs; perform analyses to assess the utilization of the system under operational conditions and assist in the preparation of operational guidelines; analyze and assist in initiating design efforts to resolve predicted or existing environmental qualification problems including Electromagnetic Interference (EMI) and Electromagnetic Compatibility (EMC), shipboard shock, shipboard vibration, transportation vibration, transportation shock, temperature and humidity; and develop technical data packages to support design and analyses.

### **3.1.3 Software Support**

The contractor shall provide computer software development and engineering support to assist the Government in software development and integration efforts. NSWC PC software engineers are required to modify, test, inspect, certify, and submit software code modules based on system/subsystems requirements and equipment, and legacy applications. The Contractor shall support NSWC PC software engineers for these software development efforts. Software support by the Contractor will include code development & inspections, module testing, and code changes within the segments/modules that reside within the maintained software development of the SMCM developmental systems. Software efforts require a working knowledge of HP-UX and Linux based environments and development using object oriented code (C++), JAVA, and CORBA. Some tasking will require that personnel work in the NSWC PC SMCM development laboratory. Testing and integration efforts will include the MCM Class Combat System, Unmanned Underwater Vehicles/Unmanned Surface Vehicle systems, host platforms, mine systems, and supporting platforms. The contractor shall provide support in the development of software documentation including software development plans, software certification plans, and software transition plans. The Contractor shall also provide system and network administrator support for the laboratory and associated development hardware.

### **3.1.4 Test And Evaluation (T&E) Support**

The Contractor shall provide T&E support to NSWC PC during test phases. Support shall include development and/or maintenance of test plans, test readiness review packages, test logs, mission summaries, test schedules, data analyses plans, and test reports. In addition, the Contractor shall provide test support personnel including operators, analysts, or other crew positions in support of testing events. The Contractor shall debrief the individual mission findings and observed system performance to NSWC PC test director or designated lead personnel. The Contractor shall perform preventative and corrective maintenance on the MW and SMCM systems (including support equipment) in support of tests from all platforms, including multiple platforms in multiple locations. The Contractor shall supply parts and materials necessary to support the conduct of maintenance. The Contractor shall evaluate existing operational and maintenance procedures and recommend improvements based on lessons learned. The Contractor shall configure and de-configure test platforms as required. The Contractor may require travel to locations other than NSWC PC to perform maintenance on the system and support equipment. In the event that Contractor support is required at a location other than NSWC PC, a minimum 24-hour notice will be given.

#### **3.1.4.1 Test Material Procurement**

The Contractor shall supply special parts and materials necessary to support test preparation, testing, and analyses. These supplies shall be used to repair and support the system during testing, package and ship faulty components to Depot, and replace or upgrade test supply items (including items such as zip disks, CDs, videotapes, camera film, printer cartridges, pens, paper, etc.). The Contractor shall maintain inventory of the test supply cabinets.

#### **3.1.4.2 Shipment Support**

The Contractor shall provide support in the preparation and shipment of assets. System and support equipment can be required at various locations, sometimes simultaneously, which necessitates the support efforts of the contractor.

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

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### **3.1.5.1 ILS Management**

The Contractor shall support the NSWC PC ILS Manager on the acquisition logistics efforts which includes support for ILS documentation, training, ILS scheduling, and ILS meetings. The Contractor shall assist in investigating acquisition management requirements; major program acquisition policy; DoD and SECNAV policy and directives; and contracting regulations to establish, tailor, and record logistics program policy in appropriate program documents. The Contractor shall coordinate with contractors and government activities to obtain technical data to support program policy and documents in a timely manner. The contractor shall assist in the internal and external logistics coordination for the following logistics elements: ILS Planning, Maintenance Planning, Supply Support, Technical Data, Manpower, Personnel and Training (MPT), Design Interface, Reliability, Maintainability and Availability (RM&A), Configuration Management (CM), Facilities, Computer Resources, Packaging, Handling, Storage and Transportation (PHS&T), and Support Equipment. The Contractor shall provide technical expertise to collect, analyze, interpret, write comments, manage, and distribute logistics data to support program documents. The Contractor shall assist in preparing point papers and other program documentation required to articulate and support logistics program requirements. The Contractor shall support requests for special studies and analyses. All material developed to support ILS program will be done using the latest NMCI-approved Microsoft software applications. Due to the update requirements as imposed by NMCI and to accurately reflect the updates in accordance with IAVA requirements, deliverable versions of any Software documents and/or programs will be identified in the Technical Instructions (TI's) or SEPCOR via email from the project engineers, if applicable. The Contractor is responsible for requesting and obtaining Common Access Cards (CACs) and Public Key Infrastructures (PKIs) for logistics personnel to access Government websites requiring it. The Contractor shall ensure logistics personnel have adequate computer hardware and software to support CAC/PKI access.

### **3.1.5.2 ILS Documentation Support**

The Contractor will develop, update and maintain ILS documentation as required. ILS documentation to be supported includes: the Acquisition Logistics Support Plan (ALSP), Performance Based Logistics (PBL) Strategy, Maintenance Plans, Configuration Management (CM) Plans, Logistics Requirements Funding Summaries (LRFS), Failure Modes, Effects and Criticality Analyses (FMECA), Diminishing Manufacturing Sources and Material Shortages (DMSMS) Plan, Demilitarization / Disposal Plan, Computer Resources Lifecycle Management Plan (CRLCMP), Facilities Requirements Document (FRD), Equipment Facilities Requirements (EFR), COTS Refreshment Plans, Interactive Electronic Technical Manuals (IETM), and Planned Maintenance System (PMS) documentation. Technical Manual Contract Requirements (TMCR) shall be invoked if the Contractor is developing IETMs or technical manuals. Changes or updates shall be accomplished in accordance with the ILS milestone schedule. The Contractor will support the conduct of Independent Logistics Assessments (ILA). The Contractor shall support development of Ship/System Change Documents (SCD) and the associated analyses. The Contractor shall assist in processing the SCD package through the shipmain process.

### **3.1.5.3 Logistics Scheduling Support**

The Contractor shall develop and maintain a complete logistics milestone schedule consisting of current and projected milestones for the ILS programs. The milestone schedule will be developed using the most current version of Microsoft Project that is compatible with NMCI. The government will review the milestone schedule, which upon approval will become the basis for product deliveries.

### **3.1.5.4 Training Support**

The Contractor shall provide technical support in the development and update of training documentation, course materials and related products. The Contractor shall assist in providing instructional services to ensure compatibility with the platform training programs. Training support includes development and maintenance of: Navy Training System Plan (NTSP), Curriculum Outline, Training Guides, including Diagram Sheets and color photos, as appropriate, and Cadre Training Lesson Plans. The Contractor shall support the conduct of training. This may include instructors to conduct Developmental or Operational Test and initial Cadre training courses. The Contractor shall schedule training In-Process Reviews (IPRs) to assess progress of training product completion. IPR agendas and minutes will be delivered by the contractor. The minutes shall serve as official Government guidance for training content and documentation style. CDRL A001

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### **3.1.5.5 ILS Meetings**

The Contractor shall attend and take minutes for ILS meetings to include ILS Integrated Product Teams (IPT), ILS management meetings, Performance Based Logistics (PBL) meetings, Training Working Group (TWG) meetings and other related ILS meetings as required. The Contractor shall document and deliver the minutes of the meetings, track and monitor action items, and maintain attendees lists.

## **3.2 Program Management Support**

### **3.2.1 Program Meeting and Conference Support**

The Contractor shall attend meetings, program reviews, conferences, and other meetings as required to support MW and SMCM programs. In support of these meetings, the Contractor may be required to draft presentation packages, meeting minutes or trip reports as required.

### **3.2.2 Programmatic Support**

The Contractor shall technically support NSWC PC in the preparation, tracking, upkeep, and distribution of selected programmatic documentation. This will include developing, editing, formatting, and copying programmatic documents for selected program distribution. Documents will include weekly accomplishment reports, quarterly project review documents, communication lists, action items lists, and quarterly execution review data packages. The contractor shall maintain the risk management database, making updates available for Government review upon request. The Contractor shall update and maintain the MW or SMCM project library. An audit log of all documents shall be provided to the government for review upon request. Program pictures, and viewgraphs, provided as GFI, shall be incorporated into the library.

### **3.2.3 Financial Management Support**

The contractor shall support NSWC PC in the development of financial inputs to NSWC PC management and sponsors. Support will include assistance in documentation, maintenance, organization, and tracking of project funding documents, financial reports, spend plans, project management plans, Job Order Number (JON) lists, and contract status management. Financial documentation updates will be delivered in the form of charts and diagrams on an as required basis. The contractor shall develop a method of tracking the progress of each task that will be approved by the Program Manager and shall update the progress as required. The Government will provide input as hard copy input. The contractor shall update milestones in the NSWC PC Project and Business Management System (PBMS) and shall provide an electronic report of PBMS data in the status reports as required. A non-disclosure agreement will be required for this contractor support.

## **3.3 In-Service Engineering Agent (ISEA)/Software Support Activity (SSA)**

### **Support (O&MN)**

The Contractor shall provide the full spectrum of operations and maintenance support to the ISEA/SSA to include design, safety, test support, software, technical documentation, specifications and standards, performance and maintenance data analysis, maintenance engineering, computer hardware and software support, installation, Fleet engineering support, training and manning, Integrated Logistics Support (ILS), data management, configuration management, supply support and repair facilities support as amplified in the following paragraphs.

### **3.3.1 ISEA Engineering Support**

#### **3.3.1.1 System Performance Assessment**

The Contractor shall assist the ISEA/SSA to: measure system performance against the operational requirements; use Distance Support and Remote Monitoring to analyze operational performance data and predict system faults; use feedback to continuously update and improve shipboard diagnostic and prognostic capability; isolate design defects

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preventing the equipment from performing its intended mission and meet maintainability and reliability requirements; analyze operational and maintenance performance data to ensure that required capability is present within the system capacity to support the combat system/platform; and provide recommendations that translate into detailed change proposals. The Contractor shall assist in the development, analysis and reporting of system readiness metrics.

### **3.3.1.2 ISEA Engineering**

The contractor shall provide engineering and technical support to include design, reliability/maintainability/obsolescence analysis, troubleshooting, installation, retrofit, maintenance, independent verification and validation or audits, safety engineering, and test and evaluation. The contractor shall provide engineering and technical support that includes capabilities in, but not limited to system, electrical, mechanical, industrial engineering. Capabilities will be required in specialty fields including acoustics/sonar engineering, optics, navigation systems, and explosives.

### **3.3.1.3 Software Support**

The contractor shall provide engineering and technical support to assist the Government in software development and maintenance efforts. NSWC PC software engineers are required to modify, test, inspect, certify, and submit software code modules based on system/subsystems requirements and equipment, and legacy applications. The Contractor will be required to support NSWC PC software engineers for these software development and maintenance efforts. Support may require that Contractor personnel periodically reside in a NSWC PC laboratory facility. Software support by the Contractor will include code development & inspections, module testing, and code changes within the segments/modules that reside within the MW and SMCM combat systems. Software efforts require a working knowledge of HP-UX and Linux based environments and development using object oriented code (C++), JAVA, and CORBA. Testing and integration efforts will include the MCM Class Combat System, Unmanned Underwater Vehicles/Unmanned Surface Vehicle systems, host platforms, and supporting platforms. The contractor shall support Software quality assurance testing, software configuration management, and software maintenance. The Contractor shall also provide system and network administrator support for the laboratory and associated development/maintenance hardware.

### **3.3.2 ISEA Logistics Support**

The Contractor shall continuously evaluate the effectiveness of implemented logistics support, updating the Integrated Logistics Support Plans, Level of Repair Analysis, and other ILS documentation. The Contractor shall evaluate the effectiveness of implemented provisioning support using established reporting systems to determine whether equipment is properly supported to meet its operational requirements, maintain the Supply Support Management Plan (SSMP), and support preparation of Program Support Data (PSD) Sheets as required, evaluate provisioning support problems and recommend provisioning changes, and provide technical support for supply system procurement actions.

The Contractor shall evaluate the effectiveness of implemented maintenance plans using established reporting systems to determine whether equipment is properly supported to meet its maintainability and reliability requirements; ensure documentation (technical manuals, maintenance requirement cards, repair standards, specifications, test procedures, etc.) remains technically accurate and adequate to accomplish maintenance; support the demilitarization and disposal of equipment; and develop recommendations for the establishment or improvement of facilities, documentation, support equipment, training, and manning to assure continuing fleet support.

The Contractor will support configuration management practices by updating the Configuration Management program and maintaining Configuration Status Accounting reports to ensure control of the hardware, computer program(s), and technical documentation baselines. The Contractor shall use CM Pro as the configuration management tool unless specified otherwise by the government. The Contractor shall provide a technical library and library services for collecting, storing, retrieving, distributing and accounting for technical data as required by the Government. The Contractor shall support development of Ship/System Change Documents (SCD) and the associated analyses. The Contractor shall assist in processing the SCD package through the shipmain process.

### **3.3.3 Direct Fleet Support And RMC/IMA/Depot Support**

The Contractor shall provide direct fleet support to troubleshoot, isolate and repair hardware/software failures on MW

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and SMCM combat systems equipment. The Contractor shall provide engineering and other technical support to depot or repair facilities in support of the ISEA/SSA. The contractor shall provide engineering and technician support that includes capabilities in and knowledge of the MCM Class ship combat system, Remote Minehunting System, and other MCM detect-to-engage systems installed on unmanned underwater and surface vehicles. The Contractor shall use Distance Support wherever possible as the primary conduit with the Fleet. When available, this would include remote operation and diagnostics of in-service equipment. The Contractor shall conduct engineering investigations based upon requests by ISEA and support engineering investigations or consultant engineering services (Tech Assists) that are beyond the skill, documentation, and resources capability of the Fleet, RMC's, or depots. Evaluation would include performance, maintainability, reliability, availability, and logistics support. The Contractor shall assist with corrective actions and certify repairs.

### **3.3.4 Alteration And Installation Support**

The Contractor shall provide alteration and installation support to include installation, test and check-out of installed equipment. The Contractor shall utilize the established processes to conduct modifications and/or alterations while carefully assessing cost effectiveness.

The Contractor shall review and certify accuracy of equipment installation control drawings; review working plans for each ship class for compliance with installation control drawings, ship requirements and recommend changes; and provide engineering assistance and liaison during conduct of shipboard/shipyard installation and testing.

The Contractor shall assist the ISEA/SSA to develop and conduct Pre-Alteration Inspections. The Contractor shall: develop and conduct pre-arrival shipyard inspections; and prepare and maintain procedures for checkout of subsystems to be installed. The Contractor shall assist the ISEA/SSA to conduct Alteration Certification, checkout, and Quality Assurance. The Contractor shall: provide support to the conduct of alterations in accordance with approved processes; and monitor and verify first equipment installation in each ship class and follow-on ships against applicable equipment installation control drawing and recommend changes as required.

### **3.3.5 ISEA/SSA Program Management Support**

#### **3.3.5.1 Program Meeting and Conference Support**

The Contractor shall attend meetings, program reviews, conferences, and other meetings as required to support MW and SMCM programs and NSWC PC. In support of these meetings, the Contractor may be required to draft presentation packages, meeting minutes or a trip reports as required.

#### **3.3.5.2 Programmatic Support**

The Contractor shall technically support NSWC PC in the preparation, tracking, upkeep, and distribution of selected programmatic documentation. This will include developing, editing, formatting, and copying programmatic documents for selected program distribution. Documents will include weekly accomplishment reports, quarterly project review documents, communication lists, action items lists, and quarterly execution review data packages. The contractor shall maintain the risk management database, making updates available for Government review upon request. The Contractor shall update and maintain the MW and SMCM project library. An audit log of all documents shall be provided to the government for review upon request. Program pictures, and viewgraphs, provided as GFI, shall be incorporated into the library.

#### **3.3.5.3 Financial Management Support**

The contractor shall support NSWC PC in the development of financial inputs to NSWC PC management and sponsors. Support will include assistance in documentation, maintenance, organization, and tracking of project funding documents, financial reports, spend plans, project management plans, Job Order Number (JON) lists, and contract status management. Financial documentation updates will be delivered in the form of charts and diagrams on an as required basis. The contractor shall develop a method of tracking the progress of each task that will be approved by the Program Manager and shall update the progress as required. The Government will provide input as hard copy input. The contractor

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shall update milestones in the NSWC PC Project and Business Management System (PBMS) and shall provide an electronic report of PBMS data in the status reports as required. A non-disclosure agreement will be required for this contractor support.

### **3.4 DA/ISEA Support (OPN)**

The Contractor shall provide the full spectrum of procurement support to the DA/ISEA to include design, safety, test support, technical documentation, specifications and standards, performance and maintenance data analysis, maintenance engineering, computer hardware and software support, installation, training and manning, Integrated Logistics Support (ILS), data management, configuration management, supply support and repair facilities support as amplified in the following paragraphs.

#### **3.4.1 System And Engineering Support**

##### **3.4.1.1 Engineering Design**

The contractor shall provide engineering and technical support to include design, analysis, troubleshooting, installation, retrofit, maintenance, independent verification and validation or audits, and test and evaluation. The contractor shall provide engineering and technical support that includes capabilities in, but not limited to system, electrical, mechanical, industrial engineering. Capabilities will be required in specialty fields including acoustics/sonar engineering, optics, navigation systems, and explosives.

##### **3.4.1.2 Software Support**

The contractor shall provide engineering and technical support to assist the Government in software development efforts. NSWC PC software engineers are required to modify, test, inspect, certify, and submit software code modules based on system/subsystems requirements and equipment, and legacy applications. The Contractor will be required to support NSWC PC software engineers for these software development efforts. Software support by the Contractor will include code development & inspections, module testing, and code changes within the segments/modules that reside within the MW and SMCM combat systems. Software efforts require a working knowledge of HP-UX and Linux based environments and development using object oriented code (C++), JAVA, and CORBA. Testing and integration efforts will include the MCM Class Combat System, Unmanned Underwater Vehicles/Unmanned Surface Vehicle systems, host platforms, and supporting platforms. The contractor shall also provide support in Software quality assurance testing and software configuration management.

#### **3.4.2 Logistics Support**

The Contractor shall provide logistics services to ensure that proposed procurement actions are logistically supportable and managed using the existing approved systems. The Contractor shall ensure that documentation is updated to reflect the upgraded configuration. The documentation to be developed or updated includes NTSP, operation and maintenance manuals, training curriculum, provisioning technical documentation, technical drawings, and PSD sheets. The Contractor shall review the implemented maintenance plans to verify equipment is properly supported to meet its supportability requirements..

The Contractor will support configuration management practices by updating the Configuration Management program and maintaining Configuration Status Accounting reports to ensure control of the hardware, computer program(s), and technical documentation baselines. The Contractor shall provide a technical library and library services for collecting, storing, retrieving, distributing and accounting for technical data as required by the Government. The Contractor shall support development of Ship/System Change Documents (SCD) and the associated analyses. The Contractor shall assist in processing the SCD package through the shipmain process.

#### **3.4.3 Test And Evaluation Support**

The Contractor shall provide T&E support to NSWC PC during test phases. Support shall include development and/or maintenance of test plans, test readiness review packages, test logs, mission summaries, test schedules, data analyses plans, data analyses, and test reports. In addition, the Contractor shall provide test support personnel including operators,

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analysts, or other crew positions in support of testing events. The Contractor shall debrief the individual mission findings and observed system performance to NSWC PC test director or designated lead personnel. The Contractor shall perform preventative and corrective maintenance on the MW and SMCM systems (including support equipment) in support of tests from all platforms, including multiple platforms in multiple locations. The Contractor shall supply parts and materials necessary to support the conduct of maintenance. The Contractor shall evaluate existing operational and maintenance procedures and recommend improvements based on lessons learned. The Contractor shall configure and de-configure test platforms as required. The Contractor may require travel to locations other than NSWC PC to perform maintenance on the system and support equipment. In the event that Contractor support is required at a location other than NSWC PC, a minimum 24-hour notice will be given.

#### **3.4.3.1 Test Material Procurement**

The Contractor shall supply special parts and materials necessary to support test preparation, testing, and analyses. These supplies shall be used to repair and support the system during testing, package and ship faulty components to Depot, and replace or upgrade test supply items (including items such as zip disks, CDs, videotapes, camera film, printer cartridges, pens, paper, etc.). The Contractor shall maintain inventory of the test supply cabinets.

#### **3.4.3.2 Shipment Support**

The Contractor shall provide support in the preparation and shipment of assets. System and support equipment can be required at various locations, sometimes simultaneously, which necessitates the support efforts of the contractor.

#### **3.4.4 Alteration And Installation Support**

The Contractor shall provide alteration and installation support to include installation, test and check-out of installed equipment. The Contractor shall utilize the established processes to conduct modifications and/or alterations while carefully assessing cost effectiveness.

The Contractor shall critically examine installation design and physical layout for reliability, ease of maintenance and suitability to perform equipment or system changes; review and certify accuracy of equipment installation control drawings; review working plans for each ship class for compliance with installation control drawings, ship requirements and recommend changes; and provide engineering assistance and liaison during conduct of shipboard/shipyard installation and testing.

The Contractor shall assist the DA/ISEA to develop and conduct Pre-Alteration Inspections. The Contractor shall: develop and conduct pre-arrival shipyard inspections; and prepare and maintain procedures for checkout of subsystems to be installed. The Contractor shall assist the DA/ISEA to conduct Alteration Certification, checkout, and Quality Assurance. The Contractor shall: provide support to the conduct of alterations in accordance with approved processes; and monitor and verify first equipment installation in each ship class and follow-on ships against applicable equipment installation control drawing and recommend changes as required.

#### **3.4.5 Program Management Support**

##### **3.4.5.1 Program Meeting and Conference Support**

The Contractor shall attend meetings, program reviews, conferences, and other meetings as required to support MW and SMCM programs and NSWC PC. In support of these meetings, the Contractor may be required to draft presentation packages, meeting minutes or trip reports as required.

##### **3.4.5.2 Programmatic Support**

The Contractor shall technically support NSWC PC in the preparation, tracking, upkeep, and distribution of selected programmatic documentation. This will include developing, editing, formatting, and copying programmatic documents for selected program distribution. Documents will include weekly accomplishment reports, quarterly project review documents, communication lists, action items lists, and quarterly execution review data packages. The contractor shall

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maintain the risk management database, making updates available for Government review upon request. The Contractor shall update and maintain the MW and SMCMM library. An audit log of all documents shall be provided to the government for review upon request. Program pictures, and viewgraphs, provided as GFI, shall be incorporated into the library.

### **3.4.5.3 Financial Management Support**

The contractor shall support NSWC PC in the development of financial inputs to NSWC PC management and sponsors. Support will include assistance in documentation, maintenance, organization, and tracking of project funding documents, financial reports, spend plans, project management plans, Job Order Number (JON) lists, and contract status management. Financial documentation updates will be delivered in the form of charts and diagrams on an as required basis. The contractor shall develop a method of tracking the progress of each task that will be approved by the Program Manager and shall update the progress as required. The Government will provide input as hard copy input. The contractor shall update milestones in the NSWC PC Project and Business Management System (PBMS) and shall provide an electronic report of PBMS data in the status reports as required. A non-disclosure agreement will be required for this contractor support.

## **3.5 Foreign Military Sales (FMS)**

### **3.5.1 FMS Engineering Support**

#### **3.5.1.1 Assess System Performance**

The Contractor shall assist the NSWC PC FMS teams to: measure system performance against the operational requirements; use Distance Support and Remote Monitoring to analyze operational performance data and predict system faults; use feedback to continuously update and improve shipboard diagnostic and prognostic capability; isolate design defects preventing the equipment from performing its intended mission and meet maintainability and reliability requirements; analyze operational and maintenance performance data to ensure that required capability is present within the system capacity to support the combat system/platform; and provide recommendations that translate into detailed change proposals. The Contractor shall assist in the development, analysis and reporting of system readiness metrics.

#### **3.5.1.2 Engineering**

The contractor shall provide engineering and technical support to include design, reliability/maintainability/obsolescence analysis, troubleshooting, installation, retrofit, maintenance, independent verification and validation or audits, safety engineering, and test and evaluation. The contractor shall provide engineering and technical support that includes capabilities in, but not limited to system, electrical, mechanical, industrial engineering. Capabilities will be required in specialty fields including acoustics/sonar engineering, optics, navigation systems, and explosives.

#### **3.5.1.3 Software Support**

The contractor shall provide engineering and technical support to assist in FMS software development and maintenance efforts. NSWC PC software engineers are required to modify, test, inspect, certify, and submit software code modules based on system/subsystems requirements and equipment, and legacy applications. The Contractor will be required to support NSWC PC software engineers for these software development and maintenance efforts. Software support by the Contractor will include code development & inspections, module testing, and code changes within the segments/modules that reside within the FMS combat systems. Software efforts require a working knowledge of HP-UX and Linux based environments and development using object oriented code (C++), JAVA, and CORBA. The contractor shall provide support in Software quality assurance testing, software configuration management, and software maintenance.

### **3.5.2 Logistics Support**

The Contractor shall evaluate the effectiveness of implemented logistics support. The Contractor shall evaluate the effectiveness of implemented maintenance plans using available reporting systems to determine whether equipment is properly supported to meet its maintainability and reliability requirements; ensure documentation (technical manuals, maintenance requirement cards, repair standards, specifications, test procedures, etc.) remains technically accurate and

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adequate to accomplish maintenance; support the demilitarization and disposal of equipment; and develop recommendations for the establishment or improvement of facilities, documentation, support equipment, training, and manning to assure continuing fleet support.

The Contractor will support configuration management practices by updating the configuration management program and maintaining configuration status accounting reports to ensure control of the hardware, computer program(s), and technical documentation baselines. The Contractor shall provide a technical library and library services for collecting, storing, retrieving, distributing and accounting for technical data as required by the Government.

### **3.5.3 Direct Support And Depot Support**

The Contractor shall provide direct fleet support to troubleshoot, isolate and repair hardware/software failures on SMCM FMS combat systems equipment. The Contractor shall provide engineering and other technical support to depot level repair facilities. The contractor shall provide engineering and technician support that includes capabilities in and knowledge of the MCM Class ship combat system. The Contractor shall conduct engineering investigations. The Contractor shall assist with corrective actions and certify repairs.

### **3.5.4 Alteration And Installation Support**

The Contractor shall provide alteration and installation support to include installation, test and check-out of installed equipment. The Contractor shall utilize the established processes to conduct modifications and/or alterations while carefully assessing cost effectiveness.

The Contractor shall: critically examine installation design and physical layout for reliability, ease of maintenance and suitability to perform equipment or system changes; review and certify accuracy of equipment installation control drawings; review working plans for each ship class for compliance with installation control drawings, ship requirements and recommend changes; and provide engineering assistance and liaison during conduct of shipboard/shipyard installation and testing.

The Contractor shall develop and conduct Pre-Alteration Inspections. The Contractor shall: develop and conduct pre-arrival shipyard inspections; and prepare and maintain procedures for checkout of subsystems to be installed. The Contractor shall provide Quality Assurance support. The Contractor shall: provide support to the conduct of alterations in accordance with approved processes; and monitor and verify equipment installation against applicable equipment installation control drawing and recommend changes as required.

### **3.5.5 IS Program Management Support**

#### **3.5.5.1 Program Meeting and Conference Support**

The Contractor shall attend meetings, program reviews, conferences, and other meetings as required to support SMCM programs and NSWC PC. In support of these meetings, the Contractor may be required to draft presentation packages, meeting minutes or trip reports as required.

##### **3.5.5.1.1 Programmatic Support**

The Contractor shall technically support NSWC PC in the preparation, tracking, upkeep, and distribution of selected programmatic documentation. This will include developing, editing, formatting, and copying programmatic documents for selected program distribution. Documents will include weekly accomplishment reports, quarterly project review documents, communication lists, action items lists, and quarterly execution review data packages. The contractor shall maintain the risk management database, making updates available for Government review upon request. The Contractor shall update and maintain the SMCM library. An audit log of all documents shall be provided to the government for review upon request. Program pictures, and viewgraphs, provided as GFI, shall be incorporated into the library.

##### **3.5.5.1.2 Financial Management Support**

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The contractor shall support NSWC PC in the development of financial inputs to NSWC PC management and sponsors. Support will include assistance in documentation, maintenance, organization, and tracking of project funding documents, financial reports, spend plans, project management plans, Job Order Number (JON) lists, and contract status management. Financial documentation updates will be delivered in the form of charts and diagrams on an as required basis. The contractor shall develop a method of tracking the progress of each task that will be approved by the Program Manager and shall update the progress as required. The Government will provide input as hard copy input. The contractor shall update milestones in the NSWC PC Project and Business Management System (PBMS) and shall provide an electronic report of PBMS data in the status reports as required. Contractor shall not have access to any proprietary information. A non-disclosure agreement will be required for this contractor support.

### **3.6 Travel**

The Contractor shall be required to travel to Washington, D.C.; San Diego, CA; Ingleside, TX; Sasebo, Japan; Bahrain; Qatar; Spain; South Korea; Greece; Egypt; and other locations as specified by the Technical Instruction. Approval of travel to OCONUS locations shall be coordinated through the Project Engineers and approved by the Contract Officer and Task Order Manager for high threat area locations. There is a possibility associated with this requirement of accompaniment of Government personnel to theater of operations to conduct and/or support combatant operations. Estimated travel costs and associated ODCs shall not exceed those as specified by the March 2009 CLIN realignments for Labor and ODC charges.

### **3.7 Status Reports**

The Contractor shall deliver a monthly status report no later than by the 20th of each month that identifies work accomplished, percent completion, funds expended, hours expended, problem areas, recommendations, and work planned for the next period.

## **4.0 GOVERNMENT FURNISHED PROPERTY**

### **4.1 Government Furnished Information (GFI)**

NSWC PC will provide relevant program management documentation as that information becomes available. The Contractor shall return all GFI to NSWC PC at completion of the task order.

### **4.2 Government Furnished Property (GFP)**

NSWC PC will provide relevant GFP as required to complete this task order. The identification of the GFP will be upon identification of the requirement. The Contractor shall return all GFP to NSWC PC within 10 days after completion of the task order.

### **4.3 Access to Government Facilities**

NSWC PC will provide the Contractor access to Government facilities as required to complete this task order. Access will be provided during normal business hours (Monday through Friday, 0600 – 1800 hours).

## **5.0 DATA DELIVERABLES**

All data deliveries shall be in accordance with the schedule set forth in the DD Form 1423, Exhibit A. Unclassified submittals may be made as attachments to e-mail messages to addressees listing in the CDRLs.

**NOTE: Minimum Protection Requirements for Controlled Unclassified Information:** Security classification guides (OPNAVINST 5513 series) and unclassified limited documents (e.g., FOUO, Distribution Statement Controlled) are not authorized for public release and, therefore, cannot be posted on a publicly accessible web server or transmitted over the Internet unless appropriately encrypted.

## **6.0 DISTRIBUTION LIMITATION STATEMENTS**

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Technical documents generated under this delivery order shall be marked with the following Distribution Limitation Statement. Existing logs, files, or documentation maintained need not be marked.

**DISTRIBUTION STATEMENT D: DISTRIBUTION AUTHORIZED TO DEPARTMENT OF DEFENSE AND U.S. DOD CONTRACTORS ONLY; (ADMINISTRATIVE/OPERATIONAL USE) (DATE STATEMENT APPLIED). OTHER REQUESTS FOR THIS DOCUMENT SHALL BE REFERRED TO PEO(LMW) PMS 495.**

**DESTRUCTION NOTICE - FOR CLASSIFIED DOCUMENTS, FOLLOW PROCEDURES IN DOD 5220.22-M, NATIONAL INDUSTRIAL SECURITY PROGRAM OPERATING MANUAL, CHAPTER 5, SECTION 7 OR DOD 5200.1-R, INFORMATION SECURITY PROGRAM REGULATION. FOR UNCLASSIFIED, LIMITED DOCUMENTS, DESTROY BY ANY METHOD THAT WILL PREVENT DISCLOSURE OF CONTENTS OR RECONSTRUCTION OF THE DOCUMENT.**

## **7.0 RELEASE OF INFORMATION**

All technical data provided to or developed by the Contractor shall be protected from public disclosure in accordance with the markings thereon. All other information relating the items to be delivered or services to be performed under this contract shall not be disclosed by any means without prior written approval of the authorized representative of the Contracting Officer. Dissemination or public disclosure includes, but is not limited to, permitting access to such information by foreign nationals or such other persons or entities; publication of scientific or technical papers, advertising or any other proposed public release. The Contractor shall provide adequate protection to such information so as to preclude access by any person or entity not authorized such access by the Government.

## **8.0 PERFORMANCE BASED REQUIREMENTS**

This requirement is performance based. The incentive for satisfactory or better performance is contained in the order (award term provisions). The Government Technical POC will report the quality of performance to the PCO not later than 45 days prior to the completion of each performance period (base or option) during the order or sooner, if required, to correct less than satisfactory performance.

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## **SECTION D PACKAGING AND MARKING**

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

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## **SECTION E INSPECTION AND ACCEPTANCE**

Inspection and acceptance of deliverables will be at destination by Government personnel at the Naval Surface Warfare Center Panama City, FL.

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## SECTION F DELIVERABLES OR PERFORMANCE

### CLIN - DELIVERIES OR PERFORMANCE

#### SHIP TO ADDRESS

Naval Support Activity Panama City  
 Attn: Receiving Officer  
 101 Vernon Ave  
 Panama City Beach FL 32407-7018

FOB: Destination

#### DURATION OF CONTRACT PERIOD

This task order shall become effective on the date of award, and shall continue for a period of one year. In accordance with the Award Term Plan and Award Term Clause of this order, the order may continue for up to five years based on the contractor's performance.

Second Year 12 Months in duration.  
 Third Year 12 Months in duration  
 Fourth Year 12 Months in duration  
 Fifth Year 12 Months in duration

The periods of performance for the following firm items are from date of task order award through 12 months thereafter.

The period of performance for the following award-term items are from date of option exercise through 12 months thereafter, estimated at:

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## SECTION G CONTRACT ADMINISTRATION DATA

Task Order Manager  
Robert P. Coffey, A12  
110 Vernon Ave  
Panama City, FL 32407-5001  
robert.p.coffey@navy.mil  
850-234-4964

Contract Specialist  
Vaughn Lasater  
Code B31  
110 Vernon Avenue  
Panama City, FL 32407  
[vaughn.lasater@navy.mil](mailto:vaughn.lasater@navy.mil)  
(850) 235-5058

### EARLY DISMISSAL AND CLOSURE OF GOVERNMENT FACILITIES

When a Government facility is closed and/or early dismissal of Federal employees is directed due to severe weather, a security threat, or a facility-related problem that prevents personnel from working, on-site contractor personnel regularly assigned to work at that facility should follow the same reporting and/or departure directions given to Government personnel. The contractor shall not direct charge to the contract for time off, but shall follow parent company policies regarding taking leave (administrative or other). Non-essential contractor personnel, who are not required to remain at or report to the facility, shall follow their parent company policy regarding whether they should go/stay home or report to another company facility. Subsequent to an early dismissal and during periods of inclement weather, on-site contractors should monitor radio and television announcements before departing for work to determine if the facility is closed or operating on a delayed arrival basis.

When Federal employees are excused from work due to a holiday or a special event (that is unrelated to severe weather, a security threat, or a facility-related problem), on-site contractors will continue working established work hours or take leave in accordance with parent company policy. Those contractors who take leave shall not direct charge the non-working hours to the task order. Contractors are responsible for predetermining and disclosing their charging practices for early dismissal, delayed openings, or closings in accordance with the FAR, applicable cost accounting standards, and company policy. Contractors shall follow their disclosed charging practices during the task order period of performance, and shall not follow any verbal directions to the contrary. The Contracting Officer will make the determination of cost allowability for time lost due to facility closure in accordance with FAR, applicable Cost Accounting Standards, and the Contractor's established accounting policy.

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NSWCPC - G12 INVOICE INSTRUCTIONS (WAWF)

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

(b) It is recommended that the person in your company designated as the Central Contractor Registration (CCR) Electronic Business (EB) Point of Contact and anyone responsible for the submission of invoices, use the online training system for WAWF at <http://wawftraining.com>. The Vendor, Group Administrator (GAM), and sections marked with an asterisk in the training system should be reviewed. Vendor Quick Reference Guides also are available at <http://acquisition.navy.mil/navyaos/content/view/full/3521/>. The most useful guides are "Getting Started for Vendors" and "WAWF Vendor Guide".

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

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

Type of Document (contracting officer check all that apply)

<input type="checkbox"/>	Invoice (FFP Supply & Service)
<input type="checkbox"/>	
<input type="checkbox"/>	Invoice and Receiving Report Combo (FFP Supply)
<input type="checkbox"/>	
<input type="checkbox"/>	Invoice as 2-in-1 (FFP Service Only)
<input type="checkbox"/>	
<input checked="" type="checkbox"/>	Cost Voucher (Cost Reimbursable, T&M , LH, or FPI)

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	Receiving Report (FFP, DD250 Only)

DODAAC Codes and Inspection and Acceptance Locations (contracting officer complete appropriate information as applicable)

Issue DODAAC	N61331
Admin DODAAC	S2101A
Pay Office DODAAC	HQ0338
Inspector DODAAC	
Service Acceptor DODAAC	
Service Approver DODAAC	
Ship To DODAAC	See Section F
DCAA Auditor DODAAC	HAA210
LPO DODAAC	HQ0338
Inspection Location	See Section E
Acceptance Location	See Section E

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

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

Send Additional Email Notification To:
<a href="mailto:Robert.P.Coffey@navy.mil">Robert.P.Coffey@navy.mil</a>
<a href="mailto:Vaughn.Lasater@navy.mil">Vaughn.Lasater@navy.mil</a>

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

(g) If you have any questions regarding WAWF, please contact the WAWF helpdesk at the above 1-866-618-5988 number or the NSWC Panama City WAWF point of contact June Fordham at (850) 234-4755 or [june.fordham@navy.mil](mailto:june.fordham@navy.mil). The NSWC Panama City WAWF alternate point of contact is Colette Hazard at (850) 235-5363 or [colette.hazard@navy.mil](mailto:colette.hazard@navy.mil).

Accounting Data  
SLINID PR Number Amount  
-----  
100101 83503234  
LLA :  
AA 1791810 72LV 253 SASLM 0 068342 2D 000000 LV0750000000  
Standard Number: N0002409WX30309 ACRN: AA  
For funding documentation purposes only; the Direct Cite Document number and associated ACRN are N0002409WX30309 ACRN:AA. The LLA ACRN remains as AA for this SubCLIN.

100102 83513341  
LLA :  
AB 1791810 72LV 253 SASLM 0 068342 2D 000000 LV0750000000  
Standard Number: N0002409WX30309 ACRN: AA  
For funding documentation purposes only; the Direct Cite Document number and associated ACRN are N0002409WX30309 ACRN:AA. The LLA ACRN remains as AB for this SubCLIN.

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100201 83513322  
 LLA :  
 AC 97X4930 NH1D 000 77777 0 061331 2F 000000 31A1J0901010

300101 83503239  
 LLA :  
 AA 1791810 72LV 253 SASLM 0 068342 2D 000000 LV0750000000  
 Standard Number: N0002409WX30309 ACRN: AA  
 For funding documentation purposes only; the Direct Cite Document number and associated ACRN are N0002409WX30309 ACRN:AA. The LLA ACRN remains as AA for this SubCLIN.

300102 83513343  
 LLA :  
 AB 1791810 72LV 253 SASLM 0 068342 2D 000000 LV0750000000  
 Standard Number: N0002409WX30309 ACRN: AA  
 For funding documentation purposes only; the Direct Cite Document number and associated ACRN are N0002409WX30309 ACRN:AB. The LLA ACRN remains as AB for this SubCLIN.

300201 83513325  
 LLA :  
 AC 97X4930 NH1D 000 77777 0 061331 2F 000000 31A1J0901010

BASE Funding  
 Cumulative Funding

MOD 01

100001 90238848  
 LLA :  
 AD 97X4930 NH1D 000 77777 0 061331 2F 000000 31A4J0902010

100002 90238966  
 LLA :  
 AD 97X4930 NH1D 000 77777 0 061331 2F 000000 31A4J0902010

100003 90238968  
 LLA :  
 AE 97X4930 NH1D 000 77777 0 061331 2F 000000 31A4J0902020

100004 90238969  
 LLA :  
 AF 97X4930 NH1D 000 77777 0 061331 2F 000000 31A4J0902044

100005 90238970  
 LLA :  
 AG 97X4930 NH1D 000 77777 0 061331 2F 000000 31A4J0902092

100006 90270549  
 LLA :  
 AH 97X4930 NH1D 000 77777 0 061331 2F 000000 31A1K090N502

100007 90270541  
 LLA :  
 AJ 97X4930 NH1D 000 77777 0 061331 2F 000000 31A1K090N302

100008 90238967  
 LLA :  
 AK 97X4930 NH1D 000 77777 0 061331 2F 000000 31A260901203

300001 90270550  
 LLA :  
 AH 97X4930 NH1D 000 77777 0 061331 2F 000000 31A1K090N502

300002 90270548  
 LLA :  
 AJ 97X4930 NH1D 000 77777 0 061331 2F 000000 31A1K090N302

MOD 01 Funding  
 Cumulative Funding

MOD 02

100009 90238971  
 LLA :

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AL 97X4930 NH1D 000 77777 0 061331 2F 000000 31A4J0901020

100103 90361991

LLA :

AM 97X4930 NH1D 000 77777 0 061331 2F 000000 31A1V0902020

100202 90412487

LLA :

AN 97X4930 NH1D 000 77777 0 061331 2F 000000 31A6U090PS01

100203 90432891

LLA :

AN 97X4930 NH1D 000 77777 0 061331 2F 000000 31A6U090PS01

100204 90442976

LLA :

AP 97X4930 NH1D 000 77777 0 061331 2F 000000 31A1V0901032

100205 90442990

LLA :

AQ 97X4930 NH1D 000 77777 0 061331 2F 000000 31A1B0902060

100206 90442991

LLA :

AR 97X4930 NH1D 000 77777 0 061331 2F 000000 31A1B0902062

300103 90361992

LLA :

AM 97X4930 NH1D 000 77777 0 061331 2F 000000 31A1V0902020

MOD 02 Funding  
Cumulative Funding

MOD 03

100010 90715941

LLA :

AS 97X4930 NH1D 000 77777 0 061331 2F 000000 31E37080TST3

100011 90715943

LLA :

AT 97X4930 NH1D 000 77777 0 061331 2F 000000 31E37080MSS2

100012 90715944

LLA :

AU 97X4930 NH1D 000 77777 0 061331 2F 000000 31E37080RPD3

100013 90766625

LLA :

AV 97X4930 NH1D 000 77777 0 061331 2F 000000 31A4J0901095

100014 90766707

LLA :

AW 97X4930 NH1D 000 77777 0 061331 2F 000000 31AFE0901003

100015 90766721

LLA :

AX 1791319 74NV 253 SASLM 0 068342 2D 005120 Q12330000020

Standard Number: N0002409WX10559 ACRN: AA

For funding documentation purposes only, the Direct Cite Document number and associated ACRN are N0002409WX10559 ACRN: AA. The LLA ACRN remains as AX for this SUB-CLIN.

100104 90624886

LLA :

AY 1791810 88JC 253 SASLM 0 068342 2D 000000 JCRLV0000000

Standard Number: N0002409WX31007 ACRN: AA

For funding documentation purposes only, the Direct Cite Document number and associated ACRN are N0002409WX31007 ACRN: AA. The LLA ACRN remains as AY for this SUB-CLIN.

100105 90756465

LLA :

AZ 97X4930 NH1D 000 77777 0 061331 2F 000000 31A1N0900053

100106 90766745

LLA :







































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## SECTION H SPECIAL CONTRACT REQUIREMENTS

NAVSEA 5252.216-9122 -- LEVEL OF EFFORT (DEC 2000)

(a) The Contractor agrees to provide the total level of effort specified in the next sentence in performance of the work described in Sections B and C of this contract. The total level of effort for the performance of this contract shall be in accordance with Section B with the individual man-years of effort defined in Attachment J4, of direct labor, including subcontractor direct labor for those subcontractors specifically identified in the Contractor's proposal as having hours included in the proposed level of effort.

(b) Of the total man-hours of direct labor set forth above, it is estimated that 0 (of hours) man hours that are uncompensated effort. Uncompensated effort is defined as hours provided by personnel in excess of 40 hours per week without additional compensation for such excess work. All other effort is defined as compensated effort. If no effort is indicated in the first sentence of this paragraph, uncompensated effort performed by the Contractor shall not be counted in fulfillment of the level of effort obligations under this contract.

(c) Effort performed in fulfilling the total level of effort obligations specified above shall only include effort performed in direct support of this contract and shall not include time and effort expended on such things as (local travel to and from an employee's usual work location), uncompensated effort while on travel status, truncated lunch periods, work (actual or inferred) at an employee's residence or other non-work locations (except as provided in paragraph (j) below), or other time and effort which does not have a specific and direct contribution to the tasks described in Sections B and C.

(d) It is understood and agreed that the rate of man-hours per month may fluctuate in pursuit of the technical objective, provided such fluctuation does not result in the use of the total man-hours of effort prior to the expiration of the term hereof, except as provided in the following paragraph.

(e) If, during the term hereof, the Contractor finds it necessary to accelerate the expenditure of direct labor to such an extent that the total man-hours of effort specified above would be used prior to the expiration of the term, the Contractor shall notify the Contracting Officer in writing setting forth the acceleration required, the probable benefits which would result, and an offer to undertake the acceleration at no increase in the estimated cost or fee together with an offer, setting forth a proposed level of effort, cost breakdown, and proposed fee, for continuation of the work until expiration of the term hereof. The offer shall provide that the work proposed will be subject to the terms and conditions of this contract and any additions or changes required by then current law, regulations, or directives, and that the offer, with a written notice of acceptance by the Contracting Officer, shall constitute a binding contract. The Contractor shall not accelerate any effort until receipt of such written approval by the Contracting Officer. Any agreement to accelerate will be formalized by contract modification.

(f) The Contracting Officer may, by written order, direct the Contractor to accelerate the expenditure of direct labor such that the total man-hours of effort specified in paragraph (a) above would be used prior to the expiration of the term. This order shall specify the acceleration required and the resulting revised term. The Contractor shall acknowledge this order within five days of receipt.

(g) If the total level of effort specified in paragraph (a) above is not provided by the Contractor during the period of this contract, the Contracting Officer, at its sole discretion, shall either (i) reduce the fee of this contract as follows:

$$\text{Fee Reduction} = \frac{\text{Fee (Required LOE - Expended LOE)}}{\text{Required LOE}}$$

or (ii) subject to the provisions of the clause of this contract entitled "LIMITATION OF COST" (FAR 52.232-20) require the Contractor to continue to perform the work until the total number of man-hours of direct labor specified in paragraph (a) above shall have been expended, at no increase in the fee of this contract.

(h) The Contractor shall provide and maintain an accounting system, acceptable to the Administrative Contracting Officer and the Defense Contract Audit Agency (DCAA), which collects costs incurred and effort (compensated and uncompensated, if any) provided in fulfillment of the level of effort obligations of this contract. The Contractor shall indicate on each invoice the total level of effort claimed during the period covered by the invoice, separately identifying compensated effort and uncompensated effort, if any.

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(i) Within 45 days after completion of the work under each separately identified period of performance hereunder, the Contractor shall submit the following information in writing to the Contracting Officer with copies to the cognizant Contract Administration Office and to the DCAA office to which vouchers are submitted: (1) the total number of man-hours of direct labor expended during the applicable period; (2) a breakdown of this total showing the number of man-hours expended in each direct labor classification and associated direct and indirect costs; (3) a breakdown of other costs incurred; and (4) the Contractor's estimate of the total allowable cost incurred under the contract for the period. Within 45 days after completion of the work under the contract, the Contractor shall submit, in addition, in the case of a cost underrun; (5) the amount by which the estimated cost of this contract may be reduced to recover excess funds and, in the case of an underrun in hours specified as the total level of effort; and (6) a calculation of the appropriate fee reduction in accordance with this clause. All submissions shall include subcontractor information.

(j) Notwithstanding any of the provisions in the above paragraphs, the Contractor may furnish man-hours up to five percent in excess of the total man-hours specified in paragraph (a) above, provided that the additional effort is furnished within the term hereof, and provided further that no increase in the estimated cost or fee is required.

=====

CHANGES IN KEY PERSONNEL

(a) The Contractor agrees that a partial basis for award of this contract is the list of key personnel proposed. Accordingly, the Contractor agrees to assign to this contract those key persons whose resumes were submitted with the proposal necessary to fulfill the requirements of the contract. No substitution shall be made without prior notification to and concurrence of the Contracting Officer in accordance with this requirement.

(b) The contractor agrees that during the first 180 days of the period of performance no key personnel substitutions will be permitted unless such substitutions are necessitated by an individual's sudden illness, death, or termination of employment. All proposed substitutions shall have qualifications equal to or higher than the qualifications of the person to be replaced. The Contracting Officer shall be notified in writing of any proposed substitution at least thirty (30) days, or forty-five (45) days if a security clearance is to be obtained, in advance of the proposed substitution. Such notification shall include:

- (1) An explanation of the circumstances necessitating the substitution;
- (2) A complete resume of the proposed substitute;
- (3) The hourly rates of the incumbent and the proposed substitute;
- (4) A chart summarizing the years of experience and professional development for the individuals involved in the substitution; and
- (5) Any other information requested by the Contracting Officer to enable him/her to judge whether or not the Contractor is maintaining the same high quality of personnel that provided the partial basis for award.

(c) In the event a requirement to increase the specified level of effort for a designated labor category, but not the overall level of effort of the contract, occurs, the Contractor shall submit to the Contracting Officer a written request for approval to add personnel to the designated labor category. The same information as specified in paragraph (b) above is to be submitted with the request.

(d) The Contracting Officer shall evaluate requests for changes in personnel and promptly notify the Contractor, in writing, whether the request is approved or disapproved.

POST AWARD CONTRACTOR PERSONNEL APPROVAL

(a) Requests for post award approval of additional and/or replacement key personnel should be submitted via e-mail. E-mail submissions shall be made simultaneously to the Contract Specialist and the TOM. Electronic notification via e-mail from the Contract Specialist will serve as written approval/disapproval on behalf of the Contracting Officer.

(b) It is desired that resumes be submitted in the format required in solicitation Section L for original proposal submission.

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However, in order to expedite contract administration, contractor format may be used.

(c) A cover letter shall be included which clearly demonstrates how the proposed resume clearly meets contract requirements.

(d) If the employee is not a current employee of the contractor (or a subcontractor), a copy of the accepted offer letter (which identifies a projected start date and the agreed to annual salary) shall be provided.

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**KICK-OFF MEETING**

The Contractor shall coordinate and conduct a SOW kick-off meeting within ten working days after the award of the contract to review the statement of work (SOW) and Contract Data Requirements List (CDRL) requirements for this task order.

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**TECHNICAL GUIDANCE**

The Task Order Manager (TOM) will provide guidance to the contractor regarding the requirements of the Statement of Work (SOW). Such guidance may be needed to prioritize work or initiate specific tasking within broad task areas. Under no circumstances may the TOM direct the contractor to perform work outside the scope of the SOW. The contractor is responsible for notifying the Contracting Officer if it believes it has received direction to perform work that is out of scope.

Technical guidance will normally occur through day-to-day verbal communication between the TOM and the contractor's program management personnel. However, written Technical Instructions may be issued at the TOM's discretion. Technical Instructions might be needed to clarify unusually complex requirements, or simply to initiate a written record of guidance that the TOM feels is particularly important. Technical Instructions will be numbered sequentially and will be in the format provided by the Contracting Officer.

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**NSWCPC – H07 INFORMATION SECURITY REQUIREMENTS**

a. Controlled Unclassified Information (CUI):

Controlled unclassified information (CUI) is official information that requires the application of controls and protective measures for a variety of reasons and has not been approved for public release, to include technical information, proprietary data, information requiring protection under the Privacy Act of 1974, and Government-developed privileged information involving the award of contracts.

CUI is a categorical designation that refers to unclassified information that does not meet the standards for National Security Classification under Executive Order 12958, as amended, but is (a) pertinent to the national interest of the United States or to the important interests of entities outside the Federal Government, and (b) under law or policy requires protection from unauthorized disclosure, special handling safeguards, or prescribed limits on exchange or dissemination.

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b. Minimum Requirements for Access to Controlled Unclassified Information (CUI):

Prior to access, contractor personnel requiring access to DON controlled unclassified information (CUI) or "user level access to DON or DoD networks and information systems, system security and network defense systems, or to system resources providing visual access and/or ability to input, delete or otherwise manipulate sensitive information without controls to identify and deny sensitive information" who do not have clearance eligibility are required to submit a Questionnaire for Public Trust Positions (Standard Form 85P) through the cognizant Facility Security Officer or contractor entity representative to NSWC PCD Security, for a suitability determination by DON Central Adjudication Facility.

c. Minimum Protection Requirements for Controlled Unclassified Information (CUI):

Contract deliverables taking the form of unclassified limited-distribution documents (e.g., For Official Use Only (FOUO), Distribution Statement Controlled) are not authorized for public release and, therefore, shall not be posted on a publicly accessible web server or electronically transmitted via E-Mail unless appropriately encrypted.

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**MANDATORY REQUIREMENT - SECURITY**

The Contractor will be required to access classified information up to, and including SECRET, under this contract. Documents generated under this contract may be CLASSIFIED up to and including SECRET. Provisions of the attached contract DD Form 254 apply.

The Contractor will require access to Communications Security (COMSEC) information and Controlled Cryptographic Items (CCI) in an operational setting. Provisions of the attached contract DD Form 254 apply.

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**MANDATORY REQUIREMENT - PRE-AWARD FACILITY SECURITY CLEARANCE**

(a) The resulting order will be placed with an Offeror possessing a facility security clearance issued by the Defense Investigative Service at the required security level. A Government facility will initiate appropriate security clearance action for any apparent successful Offeror which does not already possess such clearance. The government is not obligated to delay issuance of the order pending security clearance of any Offeror.

(b) The security classification of this procurement is specified in the Contract Security Classification Specification, DD Form 254.

**AWARD TERM CLAUSE**

In addition to the terms and conditions set forth elsewhere in this order, the contractor may earn an award term incentive consisting of an extension to the order period from the minimum one (1) year to a maximum of five (5) years on the basis of:

1. Satisfactory or better performance of the contractor as evaluated by the Government.

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2. The Government has a continued need for the service (solely determined by the Government.

3. The Government has funds for the service.

For each year of the order, contractor performance is evaluated and ratings are assigned based on how well the contractor has performed. If ratings are satisfactory or better for Year 1, the contractor earns Year 2; if ratings are satisfactory or better for Year 2, the contractor earns Year 3, and so on up to the maximum of five (5) years. But if ratings are less than satisfactory for any year, then the order is ended. The evaluation criteria and the award term procedures are described in the "Award Term Plan".

=====

## AWARD TERM PLAN

The Government will assess the quality of the Contractors performance as follows:

**a. Evaluation Criteria.** The evaluation criteria are as follows:

- Was the Contractor cooperative and capable?
- Were services and/or deliverables provided in a timely manner IAW the terms of the Task Order?
- How would you rate the quality of the services and/or deliverables received?
- How would you rate the overall performance of the contractor?
- If you had another requirement for these services and/or deliverables, would you hire this contractor again?
- How would you rate the performance of the contractor from cost perspective?
- Comments

**b. Ratings.** The ratings used are:

- "1" = unsatisfactory
- "2" = marginal
- "3" = satisfactory
- "4" = good
- "5" = superior

The contractor must receive a rating of satisfactory or better on each of the above evaluation criteria in order to earn the award-term incentive. A rating of less than satisfactory on any of the above criteria may result in the incentive not being earned.

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**c. Evaluation Period.** The evaluation periods will be (1) from award of the order through the end of the base period of performance and (2) for each award term year thereafter. Interim evaluations will also be conducted as described below.

**d. Personnel.** The Government evaluation team shall consist of an Assessing Official, performance monitors, and a Reviewing Official.

(1) Assessing Official (Technical). The Assessing Official considers all information from performance monitors and other pertinent sources and prepares written reports evaluating the contractor's performance.

(2) Performance Monitors (Technical). Performance monitors monitor the contractor's performance at the task order level and provide input to the Assessing Official to be used in preparing performance reports. Monitors may provide written and verbal input as directed by the Assessing Official.

(3) Reviewing Official (Contract Specialist administering the order). The Reviewing Official is responsible for reconciling any disagreements between the Assessing Official and the contractor, and for finalizing ratings and closing reports whenever such disagreements exist.

**e. Interim Evaluations.** An interim evaluation shall be conducted at the midpoint (i.e., six months) of each evaluation period. No later than 15 calendar days after the midpoint of the evaluation period, the Assessing Official shall notify the Contracting Officer of the contractor's current strengths and weaknesses on the basis of inputs from the performance monitors and other pertinent sources. The Contracting Officer will then issue a letter to the contractor describing the strengths and weaknesses identified by the Assessing Official. The Contracting Officer may also issue letters at any time when it is deemed necessary to highlight areas of Government concern.

**f. End-of-Period Evaluations.** No later than 60 calendar days prior to the end of the evaluation period, the Assessing Official shall initiate a report covering the entire evaluation period and submit that report to the contractor for review and comment. The contractor shall review the report and provide comments to the Assessing Official within 10 calendar days. If the contractor concurs, the Assessing Official will forward the report to the Reviewing Official who will finalize the ratings and close the report. If the contractor does NOT concur with ratings the Reviewing Official will then reconcile any disagreements between the Assessing Official and the contractor, finalize the ratings, and close the report. All reports must be closed no later than the 30 days prior to the end of the evaluation period. Once the report is closed, the ratings are not subject to dispute by either party.

**g. Award-Term Incentive Determination.** As stated above, the contractor must receive a rating of satisfactory or better on each of the evaluation criteria in order to earn the award-term incentive. The Contracting Officer will review the closed report to determine if the award term incentive has been earned. If the incentive has been earned, then the Contracting Office will issue a modification to exercise the option for the next year of the order. The award term is subject to cancellation based on the following specific contingencies: elimination of the requirement; lack of funding; and unfavorable determination that price is fair and reasonable.

**h. Changes to the Award-Term Plan.** This Award-Term Plan is a part of the order and can only be changed by a bi-lateral modification to the order. Either party may propose a change to the Award-Term Plan at any time. However, if either party desires a change to the plan and a mutual agreement cannot be reached, then this original Award-Term Plan will remain in full effect.

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## SECTION I CONTRACT CLAUSES

### SECTION I CONTRACT CLAUSES

Applicable clauses are contained in the basic contract.

52.222-2 -- Payment for Overtime Premiums.

Payment for Overtime Premiums (Jul 1990)

(a) The use of overtime is authorized under this contract if the overtime premium does not exceed \$684,151 or the overtime premium is paid for work --

(1) Necessary to cope with emergencies such as those resulting from accidents, natural disasters, breakdowns of production equipment, or occasional production bottlenecks of a sporadic nature;

(2) By indirect-labor employees such as those performing duties in connection with administration, protection, transportation, maintenance, standby plant protection, operation of utilities, or accounting;

(3) To perform tests, industrial processes, laboratory procedures, loading or unloading of transportation conveyances, and operations in flight or afloat that are continuous in nature and cannot reasonably be interrupted or completed otherwise; or

(4) That will result in lower overall costs to the Government.

(b) Any request for estimated overtime premiums that exceeds the amount specified above shall include all estimated overtime for contract completion and shall --

(1) Identify the work unit; e.g., department or section in which the requested overtime will be used, together with present workload, staffing, and other data of the affected unit sufficient to permit the Contracting Officer to evaluate the necessity for the overtime;

(2) Demonstrate the effect that denial of the request will have on the contract delivery or performance schedule;

(3) Identify the extent to which approval of overtime would affect the performance or payments in connection with other Government contracts, together with identification of each affected contract; and

(4) Provide reasons why the required work cannot be performed by using multi-shift operations or by employing additional personnel.

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**SECTION J LIST OF ATTACHMENTS**