

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE R		PAGE OF PAGES 1 5	
2. AMENDMENT/MODIFICATION NO. 48		3. EFFECTIVE DATE 09-Sep-2019		4. REQUISITION/PURCHASE REQ. NO. 1300692930	
5. PROJECT NO. (If applicable) N/A		6. ISSUED BY CODE		7. ADMINISTERED BY (If other than Item 6) CODE	
N00024		S2404A		SCD: C	
Naval Sea Systems Command (NAVSEA) BUILDING 197, ROOM 5w-27301333 ISAAC HULL AVENUE SE WASHINGTON NAVY YARD DC 20376-2040			DCMA Manassas 14501 George Carter Way, 2nd Floor Chantilly VA 20151		

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) CACI, Inc.-Federal 14370 Newbrook Drive Chantilly VA 20151		9A. AMENDMENT OF SOLICITATION NO.	
		9B. DATED (SEE ITEM 11)	
		10A. MODIFICATION OF CONTRACT/ORDER NO. N00178-04-D-4030-EH06	
		10B. DATED (SEE ITEM 13) 10-Feb-2012	
CAGE CODE 1QU78	FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing Items 8 and 15, and returning one (1) copy of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

SEE SECTION G

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

(*)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
<input type="checkbox"/>	
<input type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input checked="" type="checkbox"/>	D. OTHER (Specify type of modification and authority) Section B, Determination of Fees clause

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)	
15B. CONTRACTOR/OFFEROR		16B. UNITED STATES OF AMERICA	
15C. DATE SIGNED		16C. DATE SIGNED	
(Signature of person authorized to sign)		BY (Signature of Contracting Officer)	

NSN 7540-01-152-8070

PREVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 30 (Rev. 10-83)

Prescribed by GSA
FAR (48 CFR) 53.243

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 2 of 5	FINAL
----------------------------------	---	----------------------------------	----------------	-------

GENERAL INFORMATION

The purposes of this modification are to (1) exercise CLIN 7602 and establish SLINs ... Accordingly, said Task Order is modified as follows:

1. Under Section B, Supplies or Services:

(a) Exercise Option CLIN 7602, Option Year 6- Year 7: Performance Incentive (Fee Only) related to CLIN 7600 (Notes B and C)

(b) Establish SLINs 760201 through 760210, 760231 and 760232 as follows:

SLIN	Description
760201	Option Year 6- Year 7: Performance Incentive (Fee Only) related to CLIN 7600 (Notes B and C) (SCN)
760202	Option Year 6- Year 7: Performance Incentive (Fee Only) related to CLIN 7600 (Notes B and C) (SCN)
760203	Option Year 6- Year 7: Performance Incentive (Fee Only) related to CLIN 7600 (Notes B and C) (SCN)
760204	Option Year 6- Year 7: Performance Incentive (Fee Only) related to CLIN 7600 (Notes B and C) (SCN)
760205	Option Year 6- Year 7: Performance Incentive (Fee Only) related to CLIN 7600 (Notes B and C) (SCN)
760206	Option Year 6- Year 7: Performance Incentive (Fee Only) related to CLIN 7600 (Notes B and C) (SCN)
760207	Option Year 6- Year 7: Performance Incentive (Fee Only) related to CLIN 7600 (Notes B and C) (NDSF)
760208	Option Year 6- Year 7: Performance Incentive (Fee Only) related to CLIN 7600 (Notes B and C) (SCN)
760209	Option Year 6- Year 7: Performance Incentive (Fee Only) related to CLIN 7600 (Notes B and C) (SCN)
760210	Option Year 6- Year 7: Performance Incentive (Fee Only) related to CLIN 7600 (Notes B and C) (SCN)
760231	Option Year 6- Year 7: Performance Incentive (Fee Only) related to CLIN 7600 (Notes B and C) (SCN)
760232	Option Year 6- Year 7: Performance Incentive (Fee Only) related to CLIN 7600 (Notes B and C) (SCN)

(c) Obligate earned award fee on SLINs 760201 through 760210, 760231 and 760232 as follows:

SLIN	Award Fee
760201	From: By: To:
760202	From: By: To:

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 3 of 5	FINAL
----------------------------------	---	----------------------------------	----------------	-------

760203 From:
By:
To:

760204 From:
By:
To:

760205 From:
By:
To:

760206 From:
By:
To:

760207 From:
By:
To:

760208 From:
By:
To:

760209 From:
By:
To:

760210 From:
By:
To:

760231 From:
By:
To:

760232 From:
By:
To:

2. Update Section G, Contract Administration Data, with the financial accounting information for this modification.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 4 of 5	FINAL
----------------------------------	---	----------------------------------	----------------	-------

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

The Line of Accounting information is hereby changed as follows:

760201:

From:

To:

760207:

From:

To:

760208:

From:

To:

760209:

From:

To:

760210:

From:

To:

760231:

From:

To:

760232:

From:

To:

The total amount of funds obligated to the task is hereby increased from \$135,368,922.92 by \$376,062.00 to \$135,744,984.92.

CLIN/SLIN	Type Of Fund	From (\$)	By (\$)	To (\$)
760201	SCN			
760202	SCN			
760203	SCN			
760204	SCN			
760205	SCN			
760206	SCN			
760207	NDSF			

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 5 of 5	FINAL
----------------------------------	---	----------------------------------	----------------	-------

760208	SCN
760209	SCN
760210	SCN
760231	SCN
760232	SCN

The total value of the order is hereby increased from \$142,224,016.98 by \$376,062.00 to \$142,600,078.98.

CLIN/SLIN	From (\$)	By (\$)	To (\$)
7602			

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 1 of 139	FINAL
----------------------------------	---	----------------------------------	------------------	-------

SECTION B SUPPLIES OR SERVICES AND PRICES

CLIN - SUPPLIES OR SERVICES

For Cost Type Items:

Item	PSC	Supplies/Services Qty	Unit	Target Cost	Target Fee	CPIF
4000	R425	BASE YEAR- Year 1: PMS 385 Support (Note A) (Fund Type - TBD)	LH			\$16,184,180.94
		Max Fee				
		Min Fee				
		Government Overrun Share Line				
		Government Underrun Share Line				
400001	R425	Engineering Support Services (O&MN,N)				
400002	R425	Base Year: MLP Engineering Technical Support (NDSF RDT&E) (Fund Type - OTHER)				
400003	R425	Base Year: MLP Engineering Technical Support (NDSF Procurement) (Fund Type - OTHER)				
400004	R425	Base Year: JHSV Engineering Technical Support (RDT&E) (RDT&E)				
400005	R425	MLP Program Support (NDSF Outfitting) (Fund Type - OTHER)				
400006	R425	MLP Program Support (NDSF Procurement) (Fund Type - OTHER)				
400007	R425	MLP Engineering Technical Support (NDSF RDT&E) (Fund Type - OTHER)				
400008	R425	Base Year: JHSV Program Support (RDT&E) (RDT&E)				
400009	R425	Base Year: JHSV Program Support (OPA/OMN) (O&MN,N)				
400010	R425	Base Year: MLP Engineering Technical Support (NSDF RDT&E) (Fund Type - OTHER)				
400011	R425	Base Year: SEALIFT Support (NDSF RDT&E) (Fund Type - OTHER)				

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 2 of 139	FINAL
----------------------------------	---	----------------------------------	------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
400012	R425	Base Year: MLP Program Support (NDSF Procurement) (Fund Type - OTHER)					
400013	R425	Base Year: MLP Program Support (NDSF RDT&E) (NDSF)					
400014	R425	Base Year: MLP Program Support (NDSF RDT&E) (NDSF)					
400015	R425	Base Year: JHSV Engineering Technical Support (O&M,N) (O&MN,N)					
400016	R425	Base Year: JHSV Engineering Technical Support (O&M,N) (O&MN,N)					
400017	R425	Base Year: JHSV Engineering Technical Support (RDT&E) (RDT&E)					
400018	R425	Base Year: MLP Program Support (NDSF OUTFITTING) (Fund Type - OTHER)					
400019	R425	Base Year: MLP Program Support (NDSF PROCUREMENT) (NDSF)					
400020	R425	Base Year: MLP Engineering Technical Support (NDSF PROCUREMENT) Base Year: MLP Engineering Technical Support (NDSF PROCUREMENT) (NDSF)					

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
4001	R425	BASE YEAR- Year 1: Surge Requirements for PMS 385 Support (Notes A, B, and D) (Fund Type - TBD)		LH			\$2,749,052.00
400101	R425	Base Year: Surge Program Support (NSDF OPLOG RDT&E) (Fund Type - OTHER)					
400102	R425	Base Year: Surge Program Support (NSDF SEALIFT RDT&E) (Fund Type - OTHER)					
400103	R425	Base Year: Surge Engineering Support (LCS RDT&E) (RDT&E)					
400104	R425	Base Year: Surge Engineering Support (LCS RDT&E) (RDT&E)					
400105	R425	Base Year: Surge FMS Program Support (FMS Admin) (FMS)					
400106	R425	Base Year: Surge LCS Engineering Support (LCS RDT&E) (RDT&E)					

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 3 of 139	FINAL
---	--	---	-------------------------	--------------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
400107	R425	Base Year: Surge PMS 325 Program Support (NDSF RDT&E) (RDT&E)					
400108	R425	Base Year: Surge JHSV Program Support (O&M,N) (O&MN,N)					
400109	R425	Base Year: Surge PMS 385 Program Support (NDSF RDT&E) (NDSF)					
400110	R425	Base Year: Surge PMS 385 Engineering Technical Support (LCS RDT&E) (RDT&E)					
400111	R425	Base Year: Surge PMS 385 Program Support (O&M,N) (O&MN,N)					
400112	R425	Base Year: Surge PMS 385 Program Support (NDSF PROCUREMENT) (NDSF)					
400113	R425	Base Year: Surge LCS Engineering Technical Support (LCS RDT&E) (RDT&E)					
400114	R425	Base Year: Surge PMS325 Program Support (NDSF) (NDSF)					
400115	R425	Base Year: Surge MLP Program Support (NDSF PROCUREMENT) (NDSF)					
400116	R425	Base Year: PMS 385 Surge Program Support (JHSV O&M,N) (O&MN,N)					
400117	R425	Base Year: Surge MLP Program Support (NDSF PROCUREMENT) (NDSF)					
400118	R425	Base Year: Surge MLP Program Support (NDSF R&D) (NDSF)					

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
4002	R425	BASE YEAR- Year 1: Performance Incentive (Fee Only)related to CLIN 4000 (Notes B and C) (Fund Type - TBD)		LO				\$548,576.00
400201	R425	BASE YEAR- Year 1: Performance Incentive (Fee Only)related to CLIN 4000 (Notes B and C) (O&MN,N)						
400202	R425	BASE YEAR- Year 1: Performance Incentive (Fee Only)related to CLIN 4000 (Notes B and C) (NDSF)						
400203	R425	BASE YEAR- Year 1: Performance Incentive (Fee Only)related to CLIN 4000 (Notes B and C) (NDSF)						
400204	R425	BASE YEAR- Year 1: Performance Incentive (Fee Only)related to CLIN 4000 (Notes B and C) (RDT&E)						
400205	R425	BASE YEAR- Year 1: Performance Incentive (Fee Only)related to CLIN 4000 (Notes B and C) (NDSF)						
400206	R425	BASE YEAR- Year 1: Performance Incentive (Fee Only)related to CLIN 4000 (Notes B and C) (NDSF)						
400207	R425	BASE YEAR- Year 1: Performance Incentive (Fee Only)related to CLIN 4000 (Notes B and C) (NDSF)						
400208	R425	BASE YEAR- Year 1: Performance Incentive (Fee Only)related to						

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 4 of 139	FINAL
----------------------------------	---	----------------------------------	------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
		CLIN 4000 (Notes B and C) (O&MN,N)						
400209	R425	BASE YEAR- Year 1: Performance Incentive (Fee Only)related to CLIN 4000 (Notes B and C) (O&MN,N)						
400210	R425	BASE YEAR- Year 1: Performance Incentive (Fee Only)related to CLIN 4000 (Notes B and C) (NDSF)						
400211	R425	BASE YEAR- Year 1: Performance Incentive (Fee Only)related to CLIN 4000 (Notes B and C) (NDSF)						
400212	R425	BASE YEAR- Year 1: Performance Incentive (Fee Only)related to CLIN 4000 (Notes B and C) (NDSF)						
400213	R425	BASE YEAR- Year 1: Performance Incentive (Fee Only)related to CLIN 4000 (Notes B and C) (NDSF)						
400214	R425	BASE YEAR- Year 1: Performance Incentive (Fee Only)related to CLIN 4000 (Notes B and C) (NDSF)						
400215	R425	BASE YEAR- Year 1: Performance Incentive (Fee Only)related to CLIN 4000 (Notes B and C) (O&MN,N)						
400216	R425	BASE YEAR- Year 1: Performance Incentive (Fee Only)related to CLIN 4000 (Notes B and C) (O&MN,N)						
400217	R425	BASE YEAR- Year 1: Performance Incentive (Fee Only)related to CLIN 4000 (Notes B and C) (RDT&E)						
400218	R425	BASE YEAR- Year 1: Performance Incentive (Fee Only)related to CLIN 4000 (Notes B and C) (NDSF)						
400219	R425	BASE YEAR- Year 1: Performance Incentive (Fee Only)related to CLIN 4000 (Notes B and C) (NDSF)						
400220	R425	BASE YEAR- Year 1: Performance Incentive (Fee Only)related to CLIN 4000 (Notes B and C) (NDSF)						
400289	R425	BASE YEAR- Year 1: Performance Incentive (Fee Only)related to CLIN 4000 (Notes B and C) (RDT&E)						
400290	R425	BASE YEAR- Year 1: Performance Incentive (Fee Only)related to CLIN 4000 (Notes B and C) (O&MN,N)						

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
4100	R425	Option Year 1- Year 2: PMS 385 Support (Notes A and B) (Fund Type - TBD)		LH		\$16,385,520.00	
		Max Fee					
		Min Fee					
		Government Overrun Share Line					
		Government Underrun Share Line					
410001	R425	Option Year 1: MLP Program Support (NDSF OUTFITTING) (Fund Type - OTHER)					
410002	R425	OptionYear 1: MLP Program Support (NDSF PROCUREMENT) (NDSF)					
410003	R425	Option Year 1: MLP Program Support (NDSF RDT&E) (NDSF)					

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 5 of 139	FINAL
----------------------------------	---	----------------------------------	------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
410004	R425	Option Year 1: MLP Engineering Technical Support (NDSF PROCUREMENT) (NDSF)					
410005	R425	Option Year 1: MLP AFSB Contract Design Engineering Technical Support (RDT&E,N) (RDT&E)					
410006	R425	Option Year 1: JHSV Program Support (O&M,N) (O&MN,N)					
410007	R425	Option Year 1: JHSV Program Support (O&M,N) (O&MN,N)					
410008	R425	Option Year 1: JHSV Engineering Technical Support (O&M,N) (O&MN,N)					
410009	R425	Option Year 1: JHSV Engineering Technical Support (O&M,N) (O&MN,N)					
410010	R425	Option Year 1: MLP Engineering Technical Support (NDSF POST DELIVERY) (NDSF)					
410011	R425	OptionYear 1: MLP Program Support (NDSF PROCUREMENT) (NDSF)					
410012	R425	Option Year 1: MLP Engineering Technical Support (NDSF PROCUREMENT) (NDSF)					
410013	R425	Option Year 1: SEALIFT Program Support (NDSF R&D) (RDT&E)					
410014	R425	Option Year 1: MLP Engineering Technical Support (NDSF R&D) (RDT&E)					
410015	R425	SEALIFT Engineering Technical Support (NDSF R&D) (RDT&E)					
410016	R425	Option Year 1: SEALIFT Engineering Technical Support (NDSF R&D) (RDT&E)					
410017	R425	Option Year 1: SEALIFT Engineering Technical Support (NDSF R&D) (RDT&E)					
410018	R425	Option Year 1: MLP Program Support (NDSF PROCUREMENT) (NDSF)					
410019	R425	Option Year 1: MLP Program Support (NDSF PROCUREMENT) (NDSF)					
410020	R425	Option Year 1: JHSV Program Support (O&M,N) (O&MN,N)					
410021	R425	Option Year 1: JHSV Program Support (O&M,N) (O&MN,N)					
410022	R425	Option Year 1: JHSV Program Support (SCN) (SCN)					
410023	R425	Option Year 1: JHSV Engineering Technical Support (SCN) (SCN)					
410024	R425	410024 Option Year 1: JHSV Engineering Technical Support (O&M,N) . (O&MN,N)					

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
4101	R425	Option Year 1- Year 2: Surge Requirements for PMS 385 Support (Notes A, B and D) (Fund Type - TBD)		LH		\$1,003,761.00	
410101	R425	Option Year 1: Surge PMS 385 Program Support (NDSF OUTFITTING) (Fund Type - OTHER)					
410102	R425	Option Year 1: Surge PMS 385 Engineering Technical Support (NDSF PROCUREMENT) (NDSF)					
410103	R425	Option Year 1: Surge MLP Engineering Technical Support (NDSF PROCUREMENT) (NDSF)					
410104	R425	Option Year 1: Surge SEALIFT Engineering Technical Support (NDSF R&D) (NDSF)					

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
4102	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (Fund Type - TBD)		LO				\$576,319.00
410201	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes						

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 6 of 139	FINAL
----------------------------------	---	----------------------------------	------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
		B and C) (NDSF)						
410202	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (NDSF)						
410203	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (NDSF)						
410204	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (NDSF)						
410205	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (RDT&E)						
410206	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (O&MN,N)						
410207	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (O&MN,N)						
410208	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (Fund Type - TBD)						
410209	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (Fund Type - TBD)						
410210	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (NDSF)						
410211	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (NDSF)						
410212	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (NDSF)						
410213	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (NDSF)						
410214	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (NDSF)						
410215	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (Fund Type - TBD)						
410216	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (NDSF)						
410217	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (NDSF)						
410218	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (NDSF)						

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 7 of 139	FINAL
----------------------------------	---	----------------------------------	------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
410219	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (NDSF)						
410220	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (Fund Type - TBD)						
410221	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (O&MN,N)						
410222	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (SCN)						
410291	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (O&MN,N)						
410292	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (O&MN,N)						
410293	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (O&MN,N)						
410294	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (RDT&E)						
410295	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (O&MN,N)						
410296	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (SCN)						
410297	R425	Option Year 1- Year 2: Performance Incentive (Fee Only)related to CLIN 4100 (Notes B and C) (O&MN,N)						

For ODC Items:

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
6000	R425	ODCs in support of Base Year- Year 1 Labor CLIN 4000 (Note E) (Fund Type - TBD)			
600001	R425	ODCs in support of SLIN 400001 (O&MN,N)			
600002	R425	Base Year: MLP Program Support (NDSF Outfitting) (Fund Type - OTHER)			
600003	R425	Base Year: MLP Program Support (NDSF Procurement) (Fund Type - OTHER)			
600004	R425	Base Year: MLP Engineering Technical Support (NDSF RDT&E) (Fund Type - OTHER)			
600005	R425	Base Year: JHSV Engineering Technical Support (O&M,N) (O&MN,N)			
600006	R425	ODCs in support of SLIN 400006 (O&MN,N)			
600007	R425	Base Year: SEALIFT Support (NDSF RDT&E) (Fund Type - OTHER)			
600008	R425	Base Year: MLP Program Support (NDSF Procurement) (Fund Type - OTHER)			
600009	R425	Base Year: MLP Program Support (NDSF OPLOG RDT&E) (Fund Type - OTHER)			

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 8 of 139	FINAL
----------------------------------	---	----------------------------------	------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est.	Cost
600010	R425	Base Year: Surge PMS 325 Program Support (NDSF RDT&E) (RDT&E)				
600011	R425	Base Year: MLP Engineering Technical Support (NDSF RDT&E) (RDT&E)				
600012	R425	Base Year: JHSV Program Support (O&M,N) (O&MN,N)				
6100	R425	ODCs in support of Option Year 1- Year 2 Labor CLIN 4100 (Notes B and E) (Fund Type - TBD)				
610001	R425	Option Year 1: MLP Program Support (NDSF OUTFITTING) (Fund Type - OTHER)				
610002	R425	Option Year 1: MLP Program Support (NDSF RDT&E) (NDSF)				
610003	R425	Option Year 1: MLP Engineering Technical Support (NDSF PROCUREMENT) (NDSF)				
610004	R425	Option Year 1: MLP AFSB Contract Design Engineering Technical Support (RDT&E,N) (RDT&E)				
610005	R425	Option Year 1: JHSV Program Support (O&M,N) (O&MN,N)				
610006	R425	Option Year 1: JHSV Program Support (O&M,N) (O&MN,N)				
610007	R425	Option Year 1: JHSV Engineering Technical Support (O&M,N) (O&MN,N)				
610008	R425	Option Year 1: JHSV Engineering Technical Support (O&MN) (O&MN,N)				
610009	R425	Option Year 1: MLP Engineering Technical Support (NDSF POST DELIVERY) (NDSF)				
610010	R425	Option Year 1: LCS Engineering Technical Support (LCS RDT&E) (RDT&E)				
610011	R425	Option Year 1: MLP Program Support (NDSF PROCUREMENT) (NDSF)				
610012	R425	Option Year 1: JHSV Program Support (O&M,N) (O&MN,N)				
610013	R425	Option Year 1: MLP Engineering Technical Support (NDSF R&D) (NDSF)				
610014	R425	Option Year 1: JHSV Engineering Technical Support (SCN) (SCN)				
610015	R425	Option Year 1: JHSV Engineering Technical Support (O&M,N) (O&MN,N)				
610016	R425	Option Year 1: JHSV Program Support (SCN) (SCN)				

For Cost Type Items:

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
7200	R425	Option Year 2- Year 3: PMS 385 Support (Notes A and B) (Fund Type - TBD)		LH		\$16,459,489.00	
		Max Fee					
		Min Fee					
		Government Overrun Share Line					
		Government Underrun Share Line					
720001	R425	Option Year 2- Year 3: PMS 385 Support (Notes A and B) (SCN)					
720002	R425	Option Year 2- Year 3: PMS 385 Support (Notes A and B) (SCN)					
720003	R425	Option Year 2- Year 3: PMS 385 Support (Notes A and B) (SCN)					

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 9 of 139	FINAL
----------------------------------	---	----------------------------------	------------------	-------

Item	PSC	Supplies/Services Qty	Unit	Target Cost	Target Fee	CPIF
720004	R425	Option Year 2- Year 3: PMS 385 Support (Notes A and B) (SCN)				
720005	R425	Option Year 2- Year 3: PMS 385 Support (Notes A and B) (SCN)				
720006	R425	Option Year 2- Year 3: PMS 385 Support (Notes A and B) (SCN)				
720007	R425	Option Year 2- Year 3: PMS 385 Support (Notes A and B) (NDSF)				
720008	R425	Option Year 2- Year 3: PMS 385 Support (Notes A and B) (NDSF)				
720009	R425	Option Year 2- Year 3: PMS 385 Support (Notes A and B) (SCN)				
720010	R425	Option Year 2- Year 3: PMS 385 Support (Notes A and B) (NDSF)				
720011	R425	Option Year 2- Year 3: PMS 385 Support (Notes A and B) (NDSF)				
720012	R425	Option Year 2- Year 3: PMS 385 Support (Notes A and B) (SCN)				
720013	R425	Option Year 2- Year 3: PMS 385 Support (Notes A and B) (NDSF)				
720014	R425	Option Year 2- Year 3: PMS 385 Support (Notes A and B) (NDSF)				
720015	R425	Option Year 2- Year 3: PMS 385 Support (Notes A and B) (NDSF)				
720016	R425	Option Year 2- Year 3: PMS 385 Support - Incremental Funding (2410(a) Authority is hereby invoked) (RDT&E)				
720017	R425	Option Year 2- Year 3: PMS 385 Support - Incremental Funding (NDSF)				
720018	R425	Option Year 2- Year 3: PMS 385 Support - Incremental Funding (SCN)				
720019	R425	Option Year 2- Year 3: PMS 385 Support - Incremental Funding (2410(a) Authority is hereby invoked) (O&MN,N)				

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 9 of 139	FINAL
----------------------------------	---	----------------------------------	------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
720020	R425	Option Year 2- Year 3: PMS 385 Support - Incremental Funding (SCN)					
720021	R425	Option Year 2- Year 3: PMS 385 Support - Incremental Funding (2410(a) Authority is hereby invoked) (O&MN,N)					
720022	R425	Option Year 2- Year 3: PMS 385 Support - Incremental Funding (NDSF)					

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
7201	R425	Option Year 2- Year 3: Surge Requirements for PMS 385 Support (Notes A, B and D) (Fund Type - TBD)		LH			\$3,003,801.00
720101	R425	Option Year 2- Year 3: Surge Requirements for PMS 385 Support - Incremental Funding (2410(a) Authority is hereby invoked) (RDT&E)					
720102	R425	Option Year 2- Year 3: Surge Requirements for PMS 385 (SCN)					
720103	R425	Option Year 2- Year 3: Surge Requirements for PMS 385 (NDSF)					
720104	R425	Option Year 2- Year 3: Surge Requirements for PMS 385 (NDSF)					
720105	R425	Option Year 2- Year 3: Surge Requirements for PMS 385 (NDSF)					
720106	R425	Option Year 2- Year 3: Surge Requirements for PMS 385 (NDSF)					
720107	R425	Option Year 2- Year 3: Surge Requirements for PMS 385 (SCN)					
720108	R425	Option Year 2- Year 3: Surge Requirements for PMS 385 (RDT&E)					
720109	R425	Option Year 2- Year 3: Surge Requirements for PMS 385 (NDSF)					
720110	R425	Option Year 2- Year 3: Surge Requirements for PMS 385 Support - Incremental Funding (RDT&EDA) (Fund Type - OTHER)					
720111	R425	Option Year 2- Year 3: Surge Requirements for PMS 385 Support - Incremental Funding (NDSF)					
720112	R425	Option Year 2- Year 3: Surge Requirements for PMS 385 Support - Incremental Funding (NDSF)					
720113	R425	Option Year 2- Year 3: Surge Requirements for PMS 385 Support - Incremental Funding (NDSF)					

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 11 of 139	FINAL
---	--	---	--------------------------	--------------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
720114	R425	Option Year 2- Year 3: Surge Requirements for PMS 385 Support - Incremental Funding (SCN)					
720115	R425	Option Year 2- Year 3: Surge Requirements for PMS 385 Support - Incremental Funding (NDSF)					

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
7202	R425	Option Year 2- Year 3: Performance Incentive (Fee Only)related to CLIN 7200 (Notes B and C) (Fund Type - TBD)		LO				\$817,301.00
720201	R425	Option Year 2- Year 3: Performance Incentive (Fee Only)related to CLIN 7200 (Notes B and C) (SCN)						
720202	R425	Option Year 2- Year 3: Performance Incentive (Fee Only)related to CLIN 7200 (Notes B and C) (SCN)						
720203	R425	Option Year 2- Year 3: Performance Incentive (Fee Only)related to CLIN 7200 (Notes B and C) (SCN)						
720204	R425	Option Year 2- Year 3: Performance Incentive (Fee Only)related to CLIN 7200 (Notes B and C) (SCN)						
720207	R425	Option Year 2- Year 3: Performance Incentive (Fee Only)related to CLIN 7200 (Notes B and C) (NDSF)						
720208	R425	Option Year 2- Year 3: Performance Incentive (Fee Only)related to CLIN 7200 (Notes B and C) (NDSF)						
720209	R425	Option Year 2- Year 3: Performance Incentive (Fee Only)related to CLIN 7200 (Notes B and C) (SCN)						
720210	R425	Option Year 2- Year 3: Performance Incentive (Fee Only)related to CLIN 7200 (Notes B and C) (NDSF)						
720218	R425	Option Year 2- Year 3: Performance Incentive (Fee Only)related to CLIN 7200 (Notes B and C) (SCN)						
720219	R425	Option Year 2- Year 3: Performance Incentive (Fee Only)related to CLIN 7200 (Notes B and C) (O&MN,N)						
720220	R425	Option Year 2- Year 3: Performance Incentive (Fee Only)related to CLIN 7200 (Notes B and C) (SCN)						
720221	R425	Option Year 2- Year 3: Performance Incentive (Fee Only)related to CLIN 7200 (Notes B and C) (O&MN,N)						
720222	R425	Option Year 2- Year 3: Performance Incentive (Fee Only)related to CLIN 7200 (Notes B and C) (NDSF)						
720223	R425	Option Year 2- Year 3: Performance Incentive (Fee Only)related to CLIN 7200 (Notes						

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 11 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
		B and C) (NDSF)						
720224	R425	Option Year 2- Year 3: Performance Incentive (Fee Only)related to CLIN 7200 (Notes B and C) (NDSF)						
720225	R425	Option Year 2- Year 3: Performance Incentive (Fee Only)related to CLIN 7200 (Notes B and C) (NDSF)						
720226	R425	Option Year 2- Year 3: Performance Incentive (Fee Only)related to CLIN 7200 (Notes B and C) (NDSF)						
720227	R425	Option Year 2- Year 3: Performance Incentive (Fee Only)related to CLIN 7200 (Notes B and C) (NDSF)						
720228	R425	Option Year 2- Year 3: Performance Incentive (Fee Only)related to CLIN 7200 (Notes B and C) (SCN)						
720229	R425	Option Year 2- Year 3: Performance Incentive (Fee Only)related to CLIN 7200 (Notes B and C) (SCN)						
720230	R425	Option Year 2- Year 3: Performance Incentive (Fee Only)related to CLIN 7200 (Notes B and C) (SCN)						
720231	R425	Option Year 2- Year 3: Performance Incentive (Fee Only)related to CLIN 7200 (Notes B and C) (RDT&E)						

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
7300	R425	Option Year 3- Year 4: PMS 385 Support (Notes A and B) (Fund Type - TBD)		LH		\$15,675,672.00	
		Max Fee					
		Min Fee					
		Government Overrun Share Line					
		Government Underrun Share Line					
730001	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (2410(a) Authority is hereby invoked) (O&MN,N)					
730002	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (2410(a) Authority is hereby invoked) (O&MN,N)					
730003	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (2410(a)					

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 13 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services Qty	Unit	Target Cost	Target Fee	CPIF
		Authority is hereby invoked) (O&MN,N)				
730004	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (SCN)				
730005	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (SCN)				
730006	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (SCN)				
730007	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (SCN)				
730008	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (SCN)				
730009	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (SCN)				
730010	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (SCN)				
730011	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (SCN)				
730012	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (2410a authority approval) (RDT&E)				
730013	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (SCN)				
730014	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (NDSF)				
730015	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (NDSF)				
730016	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (NDSF)				
730017	R425	Option Year 3- Year 4: PMS 385 Support - Incremental				

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 14 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services Qty	Unit	Target Cost	Target Fee	CPIF
		Funding (NDSF)				
730018	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (NDSF)				
730019	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (NDSF)				
730020	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (NDSF)				
730021	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (NDSF)				
730022	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (NDSF)				
730023	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (NDSF)				
730024	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (NDSF)				
730025	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (NDSF)				
730026	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (NDSF)				
730027	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (NDSF)				
730028	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (NDSF)				
730029	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (NDSF)				
730030	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (NDSF)				
730031	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (NDSF)				
730032	R425	Option Year 3- Year 4: PMS 385 Support -				

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 15 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services Qty	Unit	Target Cost	Target Fee	CPIF
		Incremental Funding (NDSF)				
730033	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (NDSF)				
730034	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (NDSF)				
730035	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (NDSF)				
730036	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (NDSF)				
730037	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (NDSF)				
730038	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding, 131 Labor Technical Support (SCN)				
730039	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding, 130 SOW 8,0 ILS Program Support (SCN)				
730040	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (2410a authority approval) (O&MN,N)				
730041	R425	Option Year 3- Year 4: PMS 385 Support SOW 6.0 - Incremental Funding (2410a authority approval) (O&MN,N)				
730042	R425	Option Year 3- Year 4: PMS 385 Support - Incremental Funding (JHSV) (SCN)				

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
7301	R425	Option Year 3- Year 4: Surge Requirements for PMS 385 Support (Notes A, B and D) (Fund Type - TBD)		LH		\$3,286,374.00	
730101	R425	Option Year 3 - Year 4: Surge Requirements for PMS 385 Support - Incremental Funding (NDSF)					

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 16 of 139	FINAL
---	--	---	--------------------------	--------------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
730102	R425	Option Year 3 - Year 4: Surge Requirements for PMS 385 Support - Incremental Funding (SCN)					
730103	R425	Option Year 3 - Year 4: Surge Requirements for PMS 385 Support - Incremental Funding (NDSF)					
730104	R425	Option Year 3 - Year 4: Surge Requirements for PMS 385 Support - Incremental Funding (NDSF)					
730105	R425	Option Year 3 - Year 4: Surge Requirements for PMS 385 Support - Incremental Funding (NDSF)					
730106	R425	Option Year 3 - Year 4: Surge Requirements for PMS 385 Support - Incremental Funding (NDSF)					
730107	R425	Option Year 3 - Year 4: Surge Requirements for PMS 385 Support - Incremental Funding (SCN)					
730108	R425	Option Year 3 - Year 4: Surge Requirements for PMS 385 (NDSF)					
730109	R425	Option Year 3 - Year 4: Surge Requirements for PMS 385 (NDSF)					
730110	R425	Option Year 3 - Year 4: Surge Requirements for PMS 385 (Fund Type - OTHER)					
730111	R425	Option Year 3 - Year 4: Surge Requirements for PMS 385 (NDSF)					
730112	R425	Option Year 3 - Year 4: Surge Requirements for PMS 385 Support - Incremental Funding, 131 Labor Technical Support (SCN)					
730113	R425	Option Year 3 - Year 4: Surge Requirements for PMS 385 Support - Incremental Funding (NDSF)					
730114	R425	Option Year 3 - Year 4: Surge Requirements for PMS 385 Support - Incremental Funding (NDSF)					
730115	R425	Option Year 3 - Year 4: Surge Requirements for PMS 385 Support - Incremental Funding (2410a authority approval) (RDT&E)					

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
7302	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (Fund Type - TBD)		LO				\$836,634.00
730201	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (O&MN,N)						
730202	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (O&MN,N)						

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 17 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
730203	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (O&MN,N)						
730204	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (SCN)						
730205	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (SCN)						
730214	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (Fund Type - TBD)						
730215	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (Fund Type - TBD)						
730216	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (Fund Type - TBD)						
730217	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (Fund Type - TBD)						
730218	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (Fund Type - TBD)						
730219	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (Fund Type - TBD)						
730220	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (Fund Type - TBD)						
730221	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (Fund Type - TBD)						
730232	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (SCN)						
730233	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (SCN)						
730236	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (Fund Type - TBD)						
730238	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (Fund Type - TBD)						
730239	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (Fund Type - TBD)						
730240	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (Fund Type - TBD)						
730241	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes						

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 18 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
		B and C) (Fund Type - TBD)						
730242	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (NDSF)						
730243	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (Fund Type - TBD)						
730244	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (Fund Type - TBD)						
730245	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (Fund Type - TBD)						
730246	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (Fund Type - TBD)						
730247	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (Fund Type - TBD)						
730248	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (Fund Type - TBD)						
730249	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (Fund Type - TBD)						
730250	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (Fund Type - TBD)						
730251	R425	Option Year 3- Year 4: Performance Incentive (Fee (SCN)						
730252	R425	Option Year 3- Year 4: Performance Incentive (Fee (SCN)						
730253	R425	Option Year 3- Year 4: Performance Incentive (Fee (SCN)						
730254	R425	Option Year 3- Year 4: Performance Incentive (Fee (SCN)						
730255	R425	Option Year 3- Year 4: Performance Incentive (Fee (RDT&E)						
730256	R425	Option Year 3- Year 4: Performance Incentive (Fee (SCN)						
730257	R425	Option Year 3- Year 4: Performance Incentive (Fee (SCN)						
730258	R425	Option Year 3- Year 4: Performance Incentive (Fee (SCN)						
730259	R425	Option Year 3- Year 4: Performance Incentive (Fee (O&MN,N)						
730260	R425	Option Year 3- Year 4: Performance Incentive (Fee (O&MN,N)						
730261	R425	Option Year 3- Year 4: Performance Incentive (Fee Only)related to CLIN 7300 (Notes B and C) (SCN)						

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
------	-----	-------------------	-----	------	-----------	-----------	------

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 19 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
7303	R425	Option Year 3 - Year 4: Surge Requirements for PMS 385 to perform SOW Task 2.0 and Task 3.0 with the exception of SOW Subtask 3.3 (FMS Admin funds only) (Fund Type - OTHER)		LH		\$131,050.00	
730301	R425	Option Year 3 - Year 4: Surge Requirements for PMS 385 to perform SOW Task 2.0 and Task 3.0 with the exception of SOW Subtask 3.3 (FMS Admin) (Fund Type - OTHER)					

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
7400	R425	Option Year 4- Year 5: PMS 385 Support (Notes A and B) (Fund Type - TBD)		LH		\$14,861,518.00	
		Max Fee					
		Min Fee					
		Government Overrun Share Line					
		Government Underrun Share Line					
740043	R425	Option Year 4- Year 5: PMS 385 Support (NDSF)					
740044	R425	Option Year 4- Year 5: PMS 385 Support (NDSF)					
740046	R425	Option Year 4- Year 5: PMS 385 Support (SCN)					
740047	R425	Option Year 4- Year 5: PMS 385 Support (SCN)					
740048	R425	Option Year 4- Year 5: PMS 385 Support (NDSF)					
740052	R425	Option Year 4- Year 5: PMS 385 Support (NDSF)					
740054	R425	Option Year 4- Year 5: PMS 385 Support (NDSF)					
740058	R425	Option Year 4- Year 5: PMS 385 Support (SCN)					
740060	R425	Option Year 4- Year 5: PMS 385 Support (SCN)					
740062	R425	Option Year 4- Year 5: PMS 385 Support (SCN)					
740064	R425	Option Year 4- Year 5: PMS 385 Support (SCN)					
740066	R425	Option Year 4- Year 5: PMS 385 Support (SCN)					
740068	R425	Option Year 4- Year 5: PMS 385 Support (SCN)					

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 20 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
740075	R425	Option Year 4- Year 5: PMS 385 Support (SCN)					
740078	R425	Option Year 4- Year 5: PMS 385 Support (SCN)					
740080	R425	Option Year 4- Year 5: PMS 385 Support (SCN)					
740081	R425	(Fund Type - TBD)					
740082	R425	Option Year 4- Year 5: PMS 385 Support (SCN)					
740085	R425	Option Year 4- Year 5: PMS 385 Support (SCN)					

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
7401	R425	Option Year 4- Year 5: Surge Requirements for PMS 385 Support (Notes A, B and D) (Fund Type - TBD)		LH			\$3,489,728.00
740101	R425	Option Year 4- Year 5: Surge Requirements for PMS 385 Support (NDSF)					
740102	R425	Option Year 4- Year 5: Surge Requirements for PMS 385 Support (NDSF)					
740103	R425	Option Year 4- Year 5: Surge Requirements for PMS 385 Support (NDSF)					
740104	R425	Option Year 4- Year 5: Surge Requirements for PMS 385 Support (RDT&E)					
740105	R425	Option Year 4- Year 5: Surge Requirements for PMS 385 Support (OPN)					
740106	R425	Option Year 4- Year 5: Surge Requirements for PMS 385 Support (O&MN,N)					
740107	R425	Option Year 4- Year 5: Surge Requirements for PMS 385 Support (NDSF)					
740144	R425	Option Year 4- Year 5: Surge Requirements for PMS 385 (NDSF)					
740146	R425	Option Year 4- Year 5: Surge Requirements for PMS 385 (RDT&E)					
740147	R425	Option Year 4- Year 5: Surge Requirements for PMS 385 (NDSF)					
740150	R425	Option Year 4- Year 5: Surge Requirements for PMS 385 (NDSF)					
740156	R425	Option Year 4- Year 5: Surge Requirements for PMS 385 (NDSF)					
740170	R425	Option Year 4- Year 5: Surge Requirements for PMS 385 (SCN)					
740171	R425	Option Year 4- Year 5: Surge Requirements for PMS 385 (SCN)					
740173	R425	Option Year 4- Year 5: Surge Requirements for PMS 385 (SCN)					

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 21 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
740176	R425	Option Year 4- Year 5: Surge Requirements for PMS 385 (SCN)					
740179	R425	Option Year 4- Year 5: Surge Requirements for PMS 385 (SCN)					
740184	R425	Option Year 4- Year 5: Surge Requirements for PMS 385 (NDSF)					
740187	R425	Option Year 4- Year 5: Surge Requirements for PMS 385 (NDSF)					
740188	R425	Option Year 4- Year 5: Surge Requirements for PMS 385. (2410a Authority Approval) (O&MN,N)					
740198	R425	Option Year 4- Year 5: Surge Requirements for PMS 385 (NDSF)					
740199	R425	Option Year 4- Year 5: Surge Requirements for PMS 385 (RDT&E)					

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
7402	R425	Option Year 4- Year 5: Performance Incentive (Fee Only)related to CLIN 7400 (Notes B and C) (Fund Type - TBD)		LO				\$861,099.00
740243	R425	Option Year 4- Year 5: Performance Incentive (Fee Only)related to CLIN 7400 (Notes B and C) (NDSF)						
740244	R425	Option Year 4- Year 5: Performance Incentive (Fee Only)related to CLIN 7400 (Notes B and C) (NDSF)						
740246	R425	Option Year 4- Year 5: Performance Incentive (Fee Only)related to CLIN 7400 (Notes B and C) (SCN)						
740247	R425	Option Year 4- Year 5: Performance Incentive (Fee Only)related to CLIN 7400 (Notes B and C) (SCN)						
740248	R425	Option Year 4- Year 5: Performance Incentive (Fee Only)related to CLIN 7400 (Notes B and C) (NDSF)						
740252	R425	Option Year 4- Year 5: Performance Incentive (Fee Only)related to CLIN 7400 (Notes B and C) (NDSF)						
740254	R425	Option Year 4- Year 5: Performance Incentive (Fee Only)related to CLIN 7400 (Notes B and C) (NDSF)						
740258	R425	Option Year 4- Year 5: Performance Incentive (Fee Only)related to CLIN 7400 (Notes B and C) (SCN)						
740260	R425	Option Year 4- Year 5: Performance Incentive (Fee Only)related to CLIN 7400 (Notes B and C) (SCN)						
740262	R425	Option Year 4- Year 5: Performance Incentive (Fee Only)related to CLIN 7400 (Notes B and C) (SCN)						

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 22 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
740264	R425	Option Year 4- Year 5: Performance Incentive (Fee Only)related to CLIN 7400 (Notes B and C) (SCN)						
740266	R425	Option Year 4- Year 5: Performance Incentive (Fee Only)related to CLIN 7400 (Notes B and C) (SCN)						
740268	R425	Option Year 4- Year 5: Performance Incentive (Fee Only)related to CLIN 7400 (Notes B and C) (SCN)						
740275	R425	Option Year 4- Year 5: Performance Incentive (Fee Only)related to CLIN 7400 (Notes B and C) (SCN)						
740278	R425	Option Year 4- Year 5: Performance Incentive (Fee Only)related to CLIN 7400 (Notes B and C) (SCN)						
740280	R425	Option Year 4- Year 5: Performance Incentive (Fee Only)related to CLIN 7400 (Notes B and C) (SCN)						
740282	R425	Option Year 4- Year 5: Performance Incentive (Fee Only)related to CLIN 7400 (Notes B and C) (SCN)						
740285	R425	Option Year 4- Year 5: Performance Incentive (Fee Only)related to CLIN 7400 (Notes B and C) (SCN)						

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
7403	R425	Option Year 4-Year 5: Surge Requirements for PMS 385 Support to perform SOW Task 2.0 and Task 3.0 with the exception of SOW Subtask 3.3 (FMS Admin) (Fund Type - OTHER)		LH		\$289,800.00	
740301	R425	Option Year 4-Year 5: Surge Requirements for PMS 385 Support to perform SOW Task 2.0 and Task 3.0 with the exception of SOW Subtask 3.3 (FMS Admin) (Fund Type - OTHER)					

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
7500	R425	Option Year 5- Year 6: PMS 385 Support (Notes A and B) (Fund Type - TBD)		LH		\$14,178,262.00	
		Max Fee					
		Min Fee					
		Government Overrun Share Line					
		Government Underrun Share Line					
750001	R425	Option Year 5- Year 6: PMS 385 Support (Notes A and B) (NDSF)					

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 23 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
750002	R425	Option Year 5- Year 6: PMS 385 Support (Notes A and B) (NDSF)					
750003	R425	Option Year 5- Year 6: PMS 385 Support (Notes A and B) (NDSF)					
750004	R425	Option Year 5- Year 6: PMS 385 Support (Notes A and B) (NDSF)					
750005	R425	Option Year 5- Year 6: PMS 385 Support (Notes A and B) (NDSF)					
750006	R425	Option Year 5- Year 6: PMS 385 Support (Notes A and B) (SCN)					
750007	R425	Option Year 5- Year 6: PMS 385 Support (Notes A and B) (SCN)					
750008	R425	Option Year 5- Year 6: PMS 385 Support (Notes A and B) (NDSF)					
750009	R425	Option Year 5- Year 6: PMS 385 Support (Notes A and B) (Fund Type - OTHER)					
750010	R425	Option Year 5- Year 6: PMS 385 Support (Notes A and B) (SCN)					
750011	R425	Option Year 5- Year 6: PMS 385 Support (Notes A and B) (Fund Type - OTHER)					
750012	R425	Option Year 5- Year 6: PMS 385 Support (Notes A and B) (Fund Type - OTHER)					
750013	R425	Option Year 5- Year 6: PMS 385 Support (Notes A and B) (Fund Type - OTHER)					
750014	R425	Option Year 5- Year 6: PMS 385 Support (Notes A and B) (RDT&E)					

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
7501	R425	Option Year 5- Year 6: Surge Requirements for PMS 385 Support (Notes A, B and D) (Fund Type - TBD)		LH		\$1,851,971.00	
750101	R425	Option Year 5- Year 6: Surge Requirements for PMS 385 Support (Notes A, B and D) (NDSF)					
750102	R425	Option Year 5- Year 6: Surge Requirements for PMS 385 Support (Notes A, B and D) (NDSF)					

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 24 of 139	FINAL
---	--	---	--------------------------	--------------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
750103	R425	Option Year 5- Year 6: Surge Requirements for PMS 385 Support (Notes A, B and D) (NDSF)					
750104	R425	Option Year 5- Year 6: Surge Requirements for PMS 385 Support (Notes A, B and D) (NDSF)					
750105	R425	Option Year 5- Year 6: Surge Requirements for PMS 385 Support (Notes A, B and D) (NDSF)					
750106	R425	Option Year 5- Year 6: Surge Requirements for PMS 385 Support (Notes A, B and D) (SCN)					
750107	R425	Option Year 5- Year 6: Surge Requirements for PMS 385 Support (Notes A, B and D) (NDSF)					
750108	R425	Option Year 5- Year 6: Surge Requirements for PMS 385 (NDSF)					
750109	R425	Option Year 5- Year 6: Surge Requirements for PMS 385 Support (Notes A, B and D) (NDSF)					
750110	R425	Option Year 5- Year 6: Surge Requirements for PMS 385 Support (Notes A, B and D) (NDSF)					
750111	R425	Option Year 5- Year 6: Surge Requirements for PMS 385 Support (Notes A, B and D) (NDSF)					
750112	R425	Option Year 5- Year 6: Surge Requirements for PMS 385 Support (Notes A, B and D) (NDSF)					
750113	R425	Option Year 5- Year 6: Surge Requirements for PMS 385 Support (Notes A, B and D) (NDSF)					
750114	R425	Option Year 5- Year 6: Surge Requirements for PMS 385 (NDSF)					

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
7502	R425	Option Year 5- Year 6: Performance Incentive (Fee Only) related to CLIN 7500 (Notes B and C) (Fund Type - TBD)		LO				\$470,808.00
750201	R425	Option Year 5- Year 6: Performance Incentive (Fee Only) related to CLIN 7500 (Notes B and C) (NDSF)						
750202	R425	Option Year 5- Year 6: Performance Incentive (Fee Only) related to CLIN 7500 (Notes B and C) (NDSF)						
750203	R425	Option Year 5- Year 6: Performance Incentive (Fee Only) related to CLIN 7500 (Notes B and C) (NDSF)						
750204	R425	Option Year 5- Year 6: Performance Incentive (Fee Only) related to CLIN 7500 (Notes B and C) (NDSF)						

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 25 of 139	FINAL
---	--	---	--------------------------	--------------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
750205	R425	Option Year 5- Year 6: Performance Incentive (Fee Only) related to CLIN 7500 (Notes B and C) (NDSF)						
750206	R425	Option Year 5- Year 6: Performance Incentive (Fee Only) related to CLIN 7500 (Notes B and C) (SCN)						
750207	R425	Option Year 5- Year 6: Performance Incentive (Fee Only) related to CLIN 7500 (Notes B and C) (SCN)						
750208	R425	Option Year 5- Year 6: Performance Incentive (Fee Only) related to CLIN 7500 (Notes B and C) (NDSF)						
750209	R425	Option Year 5- Year 6: Performance Incentive (Fee Only) related to CLIN 7500 (Notes B and C) (SCN)						
750210	R425	Option Year 5- Year 6: Performance Incentive (Fee Only) related to CLIN 7500 (Notes B and C) (Fund Type - TBD)						
750211	R425	Option Year 5- Year 6: Performance Incentive (Fee Only) related to CLIN 7500 (Notes B and C) (SCN)						
750212	R425	Option Year 5- Year 6: Performance Incentive (Fee Only) related to CLIN 7500 (Notes B and C) (SCN)						
750213	R425	Option Year 5- Year 6: Performance Incentive (Fee Only) related to CLIN 7500 (Notes B and C) (SCN)						
750214	R425	Option Year 5- Year 6: Performance Incentive (Fee Only) related to CLIN 7500 (Notes B and C) (RDT&E)						

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
7503	R425	Option Year 5 - Year 6: PMS 385 Support (FMS) (Fund Type - TBD)		LH		\$150,297.00	
750301	R425	Option Year 5 - Year 6: PMS 385 Support (FMS) (Australia) (FMS)		LH		\$228,500.00	
7504	R425	Option Year 5- Year 6: Surge Requirements for PMS 385 Support (Notes A, B and D) (FMS Admin) (Fund Type - OTHER)					
750401	R425	Option Year 4-Year 5: Surge Requirements for PMS 385 Support to perform SOW Task 2.0 and Task 3.0 with the exception of SOW Subtask 3.3 (FMS Admin) (Fund Type - OTHER)					

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
7600	R425	Option Year 6- Year 7: PMS 385 Support (Notes A and B) (Fund Type - TBD)		LH		\$6,966,146.04	
		Max Fee					
		Min Fee					

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 26 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
		Government Overrun Share Line					
		Government Underrun Share Line					
760001	R425	Option Year 6- Year 7: PMS 385 Support (Notes A and B) (SCN)					
760002	R425	Option Year 6- Year 7: PMS 385 Support (Notes A and B) (SCN)					
760003	R425	Option Year 6- Year 7: PMS 385 Support (Notes A and B) (SCN)					
760004	R425	Option Year 6- Year 7: PMS 385 Support (Notes A and B) (SCN)					
760005	R425	Option Year 6- Year 7: PMS 385 Support (Notes A and B) (SCN)					
760006	R425	Option Year 6- Year 7: PMS 385 Support (Notes A and B) (SCN)					
760007	R425	Option Year 6- Year 7: PMS 385 Support (Notes A and B) (NDSF)					
760008	R425	Option Year 6- Year 7: PMS 385 Support (Notes A and B) (SCN)					
760009	R425	Option Year 6- Year 7: PMS 385 Support (Notes A and B) (SCN)					
760010	R425	Option Year 6- Year 7: PMS 385 Support (Notes A and B) (SCN)					

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
7601	R425	Option Year 6- Year 7: Surge Requirements for PMS 385 Support (Notes A, B and D) (Fund Type - TBD)		LH			\$1,223,515.00
760101	R425	Option Year 6- Year 7: Surge Requirements for PMS 385 Support (Notes A, B and D) (SCN)					
760102	R425	Option Year 6- Year 7: Surge Requirements for PMS 385 Support (Notes A, B and D) (SCN)					
760103	R425	Option Year 6- Year 7: Surge Requirements for PMS 385 Support (Notes A, B and D) (SCN)					
760104	R425	Option Year 6- Year 7: Surge Requirements for PMS 385 Support (Notes A, B and D) (SCN)					

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 27 of 139	FINAL
---	--	---	--------------------------	--------------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
760105	R425	Option Year 6- Year 7: Surge Requirements for PMS 385 Support (Notes A, B and D) (NDSF)					
760106	R425	Option Year 6- Year 7: Surge Requirements for PMS 385 Support (Notes A, B and D) (SCN)					
760107	R425	Option Year 6- Year 7: Surge Requirements for PMS 385 Support (Notes A, B and D) (SCN)					
760108	R425	Option Year 6- Year 7: Surge Requirements for PMS 385 Support (Notes A, B and D) (NDSF)					

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
7602	R425	Option Year 6- Year 7: Performance Incentive (Fee Only) related to CLIN 7600 (Notes B and C) (Fund Type - TBD)		LO				\$376,062.00
760201	R425	Option Year 6- Year 7: Performance Incentive (Fee Only) related to CLIN 7600 (Notes B and C) (SCN)						
760202	R425	Option Year 6- Year 7: Performance Incentive (Fee Only) related to CLIN 7600 (Notes B and C) (SCN)						
760203	R425	Option Year 6- Year 7: Performance Incentive (Fee Only) related to CLIN 7600 (Notes B and C) (SCN)						
760204	R425	Option Year 6- Year 7: Performance Incentive (Fee Only) related to CLIN 7600 (Notes B and C) (SCN)						
760205	R425	Option Year 6- Year 7: Performance Incentive (Fee Only) related to CLIN 7600 (Notes B and C) (SCN)						
760206	R425	Option Year 6- Year 7: Performance Incentive (Fee Only) related to CLIN 7600 (Notes B and C) (SCN)						
760207	R425	Option Year 6- Year 7: Performance Incentive (Fee Only) related to CLIN 7600 (Notes B and C) (NDSF)						
760208	R425	Option Year 6- Year 7: Performance Incentive (Fee Only) related to CLIN 7600 (Notes B and C) (SCN)						
760209	R425	Option Year 6- Year 7: Performance Incentive (Fee Only) related to CLIN 7600 (Notes B and C) (SCN)						
760210	R425	Option Year 6- Year 7: Performance Incentive (Fee Only) related to CLIN 7600 (Notes B and C) (SCN)						
760231	R425	Option Year 6- Year 7: Performance Incentive (Fee Only) related to CLIN 7600 (Notes B and C) (SCN)						
760232	R425	Option Year 6- Year 7: Performance Incentive (Fee Only) related to CLIN 7600 (Notes B and						

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 28 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Base Fee	Award Fee	CPAF
		C) (SCN)						

Item	PSC	Supplies/Services	Qty	Unit	Target Cost	Target Fee	CPIF
7603	R425	Option Year 6- Year 7: PMS 385 Support (Notes A and B) (Fund Type - TBD)		LH			\$3,281,488.00
		Max Fee					
		Min Fee					
		Government Overrun Share Line					
		Government Underrun Share Line					
760301	R425	Option Year 6- Year 7: PMS 385 Support (Notes A and B) (SCN)					
760302	R425	Option Year 6- Year 7: PMS 385 Support (Notes A and B) (SCN)					

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
7604	R425	Option Year 6- Year 7: Surge Requirements for PMS 385 Support (Notes A, B and D) (Fund Type - TBD)		LH			\$369,250.00
760401	R425	Option Year 6- Year 7: Surge Requirements for PMS 385 Support (Notes A, B and D) (SCN)					
760402	R425	Option Year 6- Year 7: Surge Requirements for PMS 385 Support (Notes A, B and D) (SCN)					

For ODC Items:

Item	PSC	Supplies/Services	Qty	Unit	Est. Cost
9200	R425	ODCs in support of Option Year 2- Year 3 Labor CLIN 7200 (Notes B and E) (Fund Type - TBD)			
920001	R425	ODCs in support of Option Year 2- Year 3 Labor CLIN (SCN)			
920002	R425	ODCs in support of Option Year 2- Year 3 Labor CLIN (SCN)			
920003	R425	ODCs in support of Option Year 2- Year 3 Labor CLIN (SCN)			
920004	R425	ODCs in support of Option Year 2- Year 3 Labor CLIN (SCN)			
920005	R425	ODCs in support of Option Year 2- Year 3 Labor CLIN (SCN)			
920006	R425	ODCs in support of Option Year 2- Year 3 Labor CLIN (SCN)			
920007	R425	ODCs in support of Option Year 2- Year 3 Labor CLIN (NDSF)			
920008	R425	ODCs in support of Option Year 2- Year 3 Labor CLIN (NDSF)			
920009	R425	ODCs in support of Option Year 2- Year 3 Labor CLIN (NDSF)			
920010	R425	ODCs in support of Option Year 2- Year 3 Labor CLIN (NDSF)			
920011	R425	ODCs in support of Option Year 2- Year 3 Labor CLIN 7200 - Incremental Funding (NDSF)			
920012	R425	ODCs in support of Option Year 2- Year 3 Labor CLIN 7200 - Incremental Funding (NDSF)			
920013	R425	ODCs in support of Option Year 2- Year 3 Labor CLIN (NDSF)			
920014	R425	ODCs in support of Option Year 2- Year 3 Labor CLIN (NDSF)			

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 29 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Item	PSC Supplies/Services	Qty	Unit	Est.	Cost
920015	R425 ODCs in support of Option Year 2- Year 3 Labor CLIN (SCN)				
920016	R425 ODCs in support of Option Year 2- Year 3 Labor CLIN (RDT&E)				
920017	R425 ODCs in support of Option Year 2- Year 3 Labor CLIN (SCN)				
9300	R425 ODCs in support of Option Year 3- Year 4 Labor CLINs 7300 and 7301 (Notes B and E) (Fund Type - TBD)				
930001	R425 ODCs in support of Option Year 3 - Year 4 Labor CLIN 7300 and 7301 - Incremental Funding (NDSF)				
930002	R425 ODCs in support of Option Year 3 - Year 4 Labor CLINs 7300 and 7301 - Incremental Funding (2410(a) Authority is hereby invoked) (O&MN,N)				
930003	R425 ODCs in support of Option Year 3 - Year 4 Labor CLINs 7300 and 7301 - Incremental Funding (SCN)				
930004	R425 ODCs in support of Option Year 3 - Year 4 Labor CLINs 7300 and 7301 - Incremental Funding (SCN)				
930005	R425 ODCs in support of Option Year 3 - Year 4 Labor CLINs 7300 and 7301 - Incremental Funding (SCN)				
930006	R425 ODCs in support of Option Year 3 - Year 4 Labor CLINs 7300 and 7301 - Incremental Funding (2410a authority approval) (RDT&E)				
930007	R425 ODCs in support of Option Year 3 - Year 4 Labor CLINs 7300 and 7301 - Incremental Funding (SCN)				
930008	R425 ODCs in support of Option Year 3 - Year 4 Labor CLINs 7300 and 7301 - Incremental Funding (NDSF)				
930009	R425 ODCs in support of Option Year 3 - Year 4 Labor CLINs 7300 and 7301 - Incremental Funding (NDSF)				
930010	R425 ODCs in support of Option Year 3 - Year 4 Labor CLINs 7300 and 7301 - Incremental Funding (NDSF)				
930011	R425 ODCs in support of Option Year 3 - Year 4 Labor CLINs 7300 and 7301 - Incremental Funding (NDSF)				
930012	R425 ODCs in support of Option Year 3 - Year 4 Labor CLINs 7300 and 7301 - Incremental Funding (NDSF)				
930013	R425 ODCs in support of Option Year 3 - Year 4 Labor CLINs 7300 and 7301 - Incremental Funding (NDSF)				
930014	R425 ODCs in support of Option Year 3 - Year 4 Labor CLINs 7300 and 7301 - Incremental Funding (NDSF)				
930015	R425 ODCs in support of Option Year 3 - Year 4 Labor CLINs 7300 and 7301 - Incremental Funding (NDSF)				
930016	R425 ODCs in support of Option Year 3 - Year 4 Labor CLINs 7300 and 7301 - Incremental Funding (NDSF)				
930017	R425 ODCs in support of Option Year 3 - Year 4 Labor CLINs 7300 and 7301 - Incremental Funding (NDSF)				
930018	R425 ODCs in support of Option Year 3 - Year 4 Labor CLINs 7300 and 7301 - Incremental Funding (NDSF)				
930019	R425 ODCs in support of Option Year 3 - Year 4 Labor CLINs 7300 and 7301 - Incremental Funding (NDSF)				
930020	R425 ODCs in support of Option Year 3 - Year 4 Labor CLINs 7300 and 7301 - Incremental Funding (NDSF)				
930021	R425 ODCs in support of Option Year 3-Year 4, SLIN 730032 (NDSF)				
930022	R425 ODCs in support of Option Year 3-Year 4, SLIN 730033 (NDSF)				
930023	R425 ODCs in support of Option Year 3-Year 4, SLIN 730034 (NDSF)				
930024	R425 ODCs in support of Option Year 3-Year 4, SLIN 730035 (NDSF)				
930025	R425 ODCs in support of Option Year 3-Year 4, SLIN 730109 (NDSF)				
930026	R425 ODCs in support of Option Year 3-Year 4, SLIN 730036, 730037, 730111 (NDSF)				
930027	R425 131 ODCs in support of Option Year 3-Year 4, SLINs 730038, 730112 (SCN)				

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 30 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Item	PSC Supplies/Services	Qty	Unit	Est.	Cost
930028	R425 130 ODCs in support of Option Year 3-Year 4, SOW 1.0, 3.0, 8.0 Program Management (SCN)				
930029	R425 ODCs in support of Option Year 3-Year 4, SLIN 730036, 730037, 730111 (NDSF)				
9400	R425 ODCs in support of Option Year 4- Year 5 Labor CLIN 7400 (Notes B and E) (Fund Type - TBD)				
940001	R425 ODCs in support of Option Year 4- Year 5 Labor CLIN 7400 and 7401 (NDSF)				
940002	R425 ODCs in support of Option Year 4- Year 5 Labor CLIN 7400 and 7401 (NDSF)				
940003	R425 ODCs in support of Option Year 4- Year 5 Labor CLIN 7400 and 7401 (NDSF)				
940004	R425 ODCs in support of Option Year 4- Year 5 Labor CLIN 7400 and 7401 (OPN)				
940043	R425 ODCs in support of Option Year 4- Year 5 Labor CLIN 7400 and 7401 (O&MN,N)				
940044	R425 ODCs in support of Option Year 4- Year 5 Labor CLIN 7400 and 7401 (NDSF)				
940045	R425 ODCs in support of Option Year 4- Year 5 Labor CLINs 7400 and 7401 (NDSF)				
940046	R425 ODCs in support of Option Year 4- Year 5 Labor CLIN 7400 and 7401 (SCN)				
940047	R425 ODCs in support of Option Year 4- Year 5 Labor CLIN 7400 and 7401 (SCN)				
940049	R425 ODCs in support of Option Year 4- Year 5 Labor CLINs 7400 and 7401 (NDSF)				
940051	R425 ODCs in support of Option Year 4- Year 5 Labor CLINs 7400 and 7401 (NDSF)				
940053	R425 ODCs in support of Option Year 4- Year 5 Labor CLINs 7400 and 7401 (NDSF)				
940055	R425 ODCs in support of Option Year 4- Year 5 Labor CLINs 7400 and 7401 (NDSF)				
940057	R425 ODCs in support of Option Year 4- Year 5 Labor CLINs 7400 and 7401 (NDSF)				
940059	R425 ODCs in support of Option Year 4- Year 5 Labor CLINs 7400 and 7401 (SCN)				
940061	R425 ODCs in support of Option Year 4- Year 5 Labor CLINs (SCN)				
940063	R425 ODCs in support of Option Year 4- Year 5 Labor CLINs (SCN)				
940065	R425 ODCs in support of Option Year 4- Year 5 Labor CLINs (SCN)				
940067	R425 ODCs in support of Option Year 4- Year 5 Labor CLINs (SCN)				
940069	R425 ODCs in support of Option Year 4- Year 5 Labor CLINs (SCN)				
940072	R425 ODCs in support of Option Year 4- Year 5 Labor CLINs (SCN)				
940074	R425 ODCs in support of Option Year 4- Year 5 Labor CLINs (SCN)				
940077	R425 ODCs in support of Option Year 4- Year 5 Labor CLINs 7400 and 7401 (SCN)				
940081	R425 ODCs in support of Option Year 4- Year 5 Labor CLINs 7400 and 7401 (SCN)				
940083	R425 ODCs in support of Option Year 4- Year 5 Labor CLINs 7400 and 7401 (SCN)				
940086	R425 ODCs in support of Option Year 4- Year 5 Labor CLINs 7400 and 7401 (SCN)				
940099	R425 ODCs in support of Option Year 4- Year 5 Labor CLINs (RDT&E)				
9500	R425 ODCs in support of Option Year 5- Year 6 Labor CLINs 7500 and 7501 (Notes B and E) (Fund Type - TBD)				
950001	R425 ODCs in support of Option Year 5- Year 6 Labor CLINs 7500 and 7501 (Notes B and E) (NDSF)				
950002	R425 ODCs in support of Option Year 5- Year 6 Labor CLINs 7500 and 7501 (Notes B and E) (NDSF)				
950003	R425 ODCs in support of Option Year 5- Year 6 Labor CLINs 7500 and 7501 (Notes B and E) (NDSF)				

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 31 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Item	PSC Supplies/Services	Qty	Unit	Est.	Cost
950004	R425 ODCs in support of Option Year 5- Year 6 Labor CLINs 7500 and 7501 (Notes B and E) (NDSF)				
950005	R425 ODCs in support of Option Year 5- Year 6 Labor CLINs 7500 and 7501 (Notes B and E) (NDSF)				
950006	R425 ODCs in support of Option Year 5- Year 6 Labor CLINs 7500 and 7501 (Notes B and E) (SCN)				
950007	R425 ODCs in support of Option Year 5- Year 6 Labor CLINs 7500 and 7501 (Notes B and E) (SCN)				
950008	R425 ODCs in support of Option Year 5- Year 6 Labor CLINs 7500 and 7501 (Notes B and E) (SCN)				
950009	R425 ODCs in support of Option Year 5- Year 6 Labor CLINs 7500 and 7501 (Notes B and E) (NDSF)				
950010	R425 ODCs in support of Option Year 5- Year 6 Labor CLINs 7500 and 7501 (Notes B and E) (NDSF)				
950011	R425 ODCs in support of Option Year 5- Year 6 Labor CLINs 7500 and 7501 (Notes B and E) (NDSF)				
950012	R425 ODCs in support of Option Year 5- Year 6 Labor CLINs 7500 and 7501 (Notes B and E) (SCN)				
950013	R425 ODCs in support of Option Year 5- Year 6 Labor CLINs 7500 and 7501 (Notes B and E) (Fund Type - OTHER)				
950014	R425 Surge ODCs (OY5) for ESB 3 Travel and Material for Repairs in Bahrain 9.0 SOF (OPN)				
950015	R425 ODCs in support of Option Year 5- Year 6 Labor CLINs 7500 and 7501 (Notes B and E) (SCN)				
9503	R425 ODCs in support of Option Year 5- Year 6 Labor CLIN 7503 (Notes B and E) (Fund Type - TBD)				
950301	R425 ODCs in support of Option Year 5- Year 6 Labor CLIN 7503 (Notes B and E) (FMS)				
9600	R425 ODCs in support of Option Year 6- Year 7 Labor CLINs 7600 and 7601 (Notes B and E) (Fund Type - TBD)				
960001	R425 ODCs in support of Option Year 6- Year 7 Labor CLINs 7600 and 7601 (Notes B and E) (SCN)				
960002	R425 ODCs in support of Option Year 6- Year 7 Labor CLINs 7600 and 7601 (Notes B and E) (SCN)				
960003	R425 ODCs in support of Option Year 6- Year 7 Labor CLINs 7600 and 7601 (Notes B and E) (SCN)				
960004	R425 ODCs in support of Option Year 6- Year 7 Labor CLINs 7600 and 7601 (Notes B and E) (SCN)				
960005	R425 ODCs in support of Option Year 6- Year 7 Labor CLINs 7600 and 7601 (Notes B and E) (SCN)				
960006	R425 ODCs in support of Option Year 6- Year 7 Labor CLINs 7600 and 7601 (Notes B and E) (SCN)				
960007	R425 ODCs in support of Option Year 6- Year 7 Labor CLINs 7600 and 7601 (Notes B and E) (NDSF)				
960008	R425 ODCs in support of Option Year 6- Year 7 Labor CLINs 7600 and 7601 (Notes B and E) (SCN)				
960009	R425 ODCs in support of Option Year 6- Year 7 Labor CLINs 7600 and 7601 (Notes B and E) (NDSF)				
960010	R425 ODCs in support of Option Year 6- Year 7 Labor CLINs 7600 and 7601 (Notes B and E) (NDSF)				
960011	R425 ODCs in support of Option Year 6- Year 7 Labor CLINs 7600 and 7601 (Notes B and E) (SCN)				
960012	R425 ODCs in support of Option Year 6- Year 7 Labor CLINs 7600 and 7601 (Notes B and E) (SCN)				
960013	R425 ODCs in support of Option Year 6- Year 7 Labor CLINs 7600 and 7601 (Notes B and E) (SCN)				
960014	R425 ODCs in support of Option Year 6- Year 7 Labor CLINs 7600 and 7601 (Notes B and E) (NDSF)				
960015	R425 ODCs in support of Option Year 6- Year 7 Labor CLINs 7600 and 7601 (Notes B and E) (SCN)				
960016	R425 ODCs in support of Option Year 6- Year 7 Labor CLINs 7600 and 7601 (Notes B and E) (OPN)				

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 32 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Item	PSC Supplies/Services	Qty	Unit	Est.	Cost
9603	R425 ODCs in support of Option Year 6- Year 7 Labor CLINs 7603 and 7604 (Notes B and E) (Fund Type - TBD)				
960301	R425 ODCs in support of Option Year 6- Year 7 Labor CLINs 7603 and 7604 (Notes B and E) (SCN)				
960302	R425 ODCs in support of Option Year 6- Year 7 Labor CLINs 7603 and 7604 (Notes B and E) (SCN)				
960303	R425 ODCs in support of Option Year 6- Year 7 Labor CLINs 7603 and 7604 (Notes B and E) (SCN)				
960304	R425 ODCs in support of Option Year 6- Year 7 Labor CLINs 7603 and 7604 (Notes B and E) (SCN)				

NOTES:

NOTE A: LEVEL OF EFFORT

For Labor Items, Offerors shall propose the labor hours specified in Section B to perform the requirements of the Statement of Work for the period of performance specified in SECTION F. The PAYMENT OF FEE(S) (LEVEL OF EFFORT) clause applies to these Items.

NOTE B: OPTION

Option Item to which the OPTION clause in SECTION I applies and which is to be supplied only if and to the extent said Option is exercised.

NOTE C: PERFORMANCE INCENTIVE

Performance Incentive Item to which the AWARD FEE clause found in this SECTION B applies and which is to be awarded only if and to the extent said Item is earned in accordance with the aforementioned clause.

Offerors are instructed that the maximum Award Fee amount allowed on this Task Order shall not exceed of Target Cost (excluding ODCs) and therefore Offerors shall not propose an Award Fee amount greater than of Target Cost (excluding ODCs). A proposed Award Fee greater than will render an Offeror's proposal ineligible for award. These items shall not be priced to include man-hours or an Estimated Cost or Base Fee, only an Award Fee amount. In addition, the "CPAF" column is "Award Fee Only" for the purpose of Award Fee items.

NOTE D: SURGE

If, as a result of unforeseen Program circumstances, it is determined that an increased level of effort is required, the Government reserves the right to exercise a "surge" Option CLIN for additional work under the Task Order. The Contracting Officer may exercise this Surge Option Item by providing written notice to the Contractor at least 60 calendar days prior to exercise of the surge Option Item. Surge Option Items are to be priced at Man hours per year. These items shall be proposed as Cost-plus-fixed-fee. Offerors shall not propose a Fixed Fee amount greater than of Target Cost (excluding ODCs).

NOTE E: ODC

The Government estimates ODCs inclusive of travel costs for this Task to be no more than in the base year in year 2, in year 3, in year 4 and in year 5. This estimate must be included in Section B of the offer for each ODC CLIN. Other ODC amounts proposed by an Offeror shall be included in said CLINs and explained in the narrative rationale provided by the Offeror in their cost proposal. These Items are non-fee bearing CLINs and shall be priced as cost-only. Non-fee bearing refers to fee (i.e., profit), not allowable indirect costs or burdens.

NOTE F: SUBCONTRACTORS

The following is a list of approved subcontractors for this effort:

CLAUSES INCORPORATED IN FULL TEXT:

CONTRACT TYPE SUMMARY FOR PAYMENT OFFICE (COST TYPE) (NAVSEA) (FEB 1997)

This entire Task Order is cost type.

DETERMINATION OF FEE(S)

(APPLICABLE TO CLINS 4000, 4100, 7200, 7300, 7400, 7500 and, if Options are exercised, 7600 and 7603)

(a) FEES PAYABLE

(1) There are three fee(s) payable under this Task Order, a cost incentive fee in accordance with FAR 52.216-10 INCENTIVE FEE (MAR 1997), an award fee in accordance with the AWARD FEE portion of this clause and a fixed fee in accordance with FAR 52.216-8 FIXED FEE (MAR 1997). These fees are exclusive (separate) of one another and shall be calculated as follows:

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 33 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

(i) Cost Incentive Fee. The cost incentive fee payable shall be calculated in accordance with FAR 52.216-10 in section I. (See 52.216-10 for fee limitations). The first incentive fee calculation will be at the end of the second year of the task order. If Option Year CLIN 4100 is not exercised, incentive fee will be calculated at the end of the Base Year period of performance.

a. Maximum Fee. The maximum incentive fee payable shall not exceed of target cost. In no event shall the incentive fee payable under this provision be greater than of Target Cost. The contractor shall propose the minimum, the target and the maximum fees.

(ii) Award Fee. The award fee payable shall be calculated as follows:

a. General. Pursuit of the award fee shall not come at the expense of the overall effort. The Contractor's performance must be satisfactory in order to be eligible for award fee.

b. Maximum Fee. The maximum award fee payable shall not exceed of target cost. In no event shall the award fee payable under this provision be greater than of Target Cost.

c. Fee Determination. The payable award fee shall be recommended by the Award Fee Review Board (AFRB) and determined by the Fee Determining Official (FDO) (PMS 385). This determination and the methodology established herein for determining the award fee amount earned are unilateral decisions made solely at the discretion of the Government.

d. Payment of Award Fee. The Contractor shall be paid the determined award fee amount, if any, upon submittal of a proper invoice or voucher to the cognizant Payment Office, together with a copy of the unilateral modification to the task order authorizing payment of such fee as determined by the Government. The invoice shall show the amount of Award Fee determined payable at the Contract Line Item Number (CLIN)/Sub-Line Item Number (SLIN) level, which shall be based upon the allowable costs (exclusive of any fees and FCCM) incurred by the Contractor during the Evaluation Period. The invoice must cite the appropriate accounting data in order for payment to be achieved and be submitted in accordance with the invoicing instructions provided in SECTION G of this Task Order.

(iii) Fixed Fee. The Government shall pay the fixed fee of of Estimated Cost for Surge CLINS.

(iv) Total Fees. The total fees payable for the Cost Incentive Fee and the Award Fee are calculated as described in paragraphs (i) and (ii) above. Each of these fees are exclusive of one another and shall be calculated separately. In no event shall the Total Fees payable under this Task Order be greater than of Target Cost, the combined total of Maximum Cost Incentive Fee at and Maximum Award Fee Pool

(2) The *final* target cost, target fee and Award Fee pool amounts shall be based upon the actual level of effort the contractor provides as explained in the following paragraphs.

PROPOSED AMOUNT

Labor Items	Labor Hours	Target cost	Target Fee	Award Fee Potential	Total Amount
4000					
Base					
Rate/Hr					
Base					
4100					
Option Year 1					
Rate/Hr					
Option Year 1					
7200					

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 34 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Option Year 2					
Rate/Hr					
Option Year 2					
7300					
Option Year 3					
Rate/Hr					
Option Year 3					
7400					
Option Year 4					
Rate/ Hr					
Option Year 4					
7500					
Option Year 5					
Rate/Hr					
Option Year 5					
7600					
Option Year 6					
Rate/ Hr					
Option Year 6					
7603					
Option Year 6					
Rate/ Hr					
Option Year 6					

(i) The *final* CPIF target cost for CLIN 4000 and (if and to the extent Options are exercised) Option CLIN(s) 4100, 7200, 7300, and 7400 shall be determined by multiplying the allowable hours worked, including subcontractor hours, under the CLIN by the rate/hour in the target cost column including cost of money, in the preceding table.

(ii) The *final* CPIF target fee for CLIN 4000 and (if and to the extent Options are exercised) Option CLIN(s) 4100, 7200, 7300, and 7400 shall be determined by multiplying the allowable hours worked, including subcontractor hours, under the CLIN by the rate/hr in the target fee column of the preceding table.

(iii) The share ratio for the CPIF portion of the fee structure is 65/35 (65% Government and 35% Contractor) for both underruns and overruns. The fee earned under the CPIF portion of the fee structure will be based on the total allowable cost incurred by the contractor in comparison to the *final* target cost for each of the aforementioned labor CLINs. See the Incentive Fee clause (FAR 52.216-10) in Section I of this Task Order for further information on

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 35 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

how the target cost and target fee are determined and the fee earned is calculated.

(iv) The *final* Award Fee pool for CLIN 4002 and (if Options are exercised) 4102, 7202, 7302, and 7402 shall be calculated by multiplying the allowable hours worked under the CLIN by the rate/hr in the Award Fee Potential column of the preceding table. The *final* Award Fee pool amount will not be determined by the actual cost incurred but by the number of LOE hours worked at the proposed rate. The fee earned under the Award Fee portion of the fee structure will be based on the Award Fee score given by the Fee Determining Official (FDO) as stipulated in the below Award Fee Plan, paragraph (b).

(v) Separate Target Fee and Award Fee pools have been established for CLIN 4000 and (if and to the extent Options are exercised) 4100, 7200, 7300, and 7400. Accordingly, the cost performance on one (or more) of the CLINs in the above table cannot be used by the Contractor to offset the cost performance on one or more of the other CLINs in the above table. For example, if the contractor underruns CLIN 4000 this underrun cannot be used by the Contractor to offset an overrun on CLIN 4100.

(b) AWARD FEE PLAN

(1) Organization:

Fee Determining Official (FDO): PMS 385 (or designee)

Award Fee Review Board (AFRB):

Chairman: PMS 385 (or designee)

Contracting Officer: SEA 0265 (or other Government contracting representative)

Performance Monitors: As designated by the Government in Technical Instructions

Legal Advisor: SEA 00L representative

Member: Other members as designated by the Government

(2) Responsibilities:

· Fee Determining Official (FDO):

--Approves the membership of the AFRB

--Reviews recommendations of the AFRB and determines the amount of award fee earned and payable to the contractor for each evaluation period. The FDO may accept, modify, or amend the AFRB recommendation and the award fee. When the FDO determines a fee other than that recommended by the AFRB, a written rationale will be provided for the record.

--Provides written notification to the Contracting Officer within 60 calendar days of the end of the award fee evaluation period and upon determination of the award fee amount to authorize issuance of a unilateral modification setting forth the specified award fee.

--Provides an award fee authorization letter to the contractor when authorized by the Contracting Officer. A summary evaluation, including the rating assigned to each evaluation area will be included as an attachment.

--Discusses evaluation findings with the contractor, as necessary.

· Award Fee Review Board (AFRB):

--Collects and reviews reported metrics from performance monitors and compiles a recommended rating for each evaluation factor and provides a summary evaluation to the FDO.

--Completes the summary evaluation within 60 days after the evaluation period ends.

· Contracting Officer:

--Issues a unilateral modification to the Task Order to authorize payment of the award fee within 30 calendar days of receipt of the written notification from the FDO.

--Reviews the award fee documentation and advises the FDO as to when the unilateral Task Order modification to authorize payment of performance incentive fee may be executed.

(3) Award Fee Determination Procedures:

(a) Within 30 days after the close of a rating period, the contractor shall furnish to the AFRB such information as may be required including a certified statement of costs to assist the AFRB in evaluating the contractor's performance.

(b) The AFRB may consider reports, both oral and written, from all interested parties. Within 5 working days after the award fee meeting the AFRB shall arrive at a consensus on the performance rating and advise the FDO of its recommendation including reasons, rationale and justifications therefore.

(c) Within 10 days the FDO shall provide the PCO a final performance evaluation and determination of award fee for the Task Order. The PCO or his duly authorized representative shall notify the contractor, via electronic mail, of the award fee determination.

(d) The contractor, by written notice or electronic mail to the PCO within 5 days after receipt of the notification, may request reconsideration of the FDO's

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 36 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

award fee determination. The Contractor's request shall include written comments on the valuation findings and conclusions, and the Contractor's opinion of its accomplishments in relation to the applicable evaluation criteria. If the contractor fails to include written comments with his request for reconsideration the Government will not reconsider the award fee determination

(e) Within 30 days the PCO shall issue a unilateral modification to the Task Order to provide for the award fee earned.

(4) Finality of the Fee Determining Official's Decision

Determinations of the FDO with respect to the amount of award fee to be paid to the contractor are final. Any changes to the award fee determination will be made at the sole discretion of the Government.

(5) Evaluation Criteria and Weight

Upon completion of the work, the AFRB will consider the Contractor's performance with respect to each of the evaluation factors. The Government reserves the right to adjust the following evaluation plan by unilateral contract modification prior to the commencement of the effected evaluation period.

Two award fee evaluation factors will be used to assess contractor performance and determine award fee under this Task Order. These factors are 1) Quality of Performance and 2) Timeliness of Performance.

Factor One: Quality of Performance

Definition: Quality of Performance is characterized by the overall degree of excellence and superiority of the contractor's management, planning, personnel, small business utilization, subcontractors/vendors, safety, inter-organizational and intra-organizational communication, and data/report submissions. The contractor is expected to provide quality services applying effective and efficient use of resources and available technologies to complete task objectives. Operational efficiency and program support planning for tasks are valued characteristics of quality performance. Well trained and capable contractor interface with PMS 385 representatives/personnel will be a positive factor.

Consideration: To the degree that the contractors' planning, resources, communications, and overall efforts result in effective, efficient and successful completion of delivery order objectives, the award fee will be greater. The converse is also true. Skillful program planning and management support efforts during the performance period will also be evaluated. To the degree that creative and innovative contractor solutions result in effective, efficient and safe execution of delivery order objectives/completion, award fee will be greater. The converse is also true. The contractor's ability to anticipate, avoid and prepare for likely as well as unforeseen problems is valued. The Government will consider how well the contractor is able to effectively and efficiently overcome/workaround factors beyond his control.

Factor Two: Timeliness of Performance

Definition: Timeliness of performance is characterized by the overall degree of excellence and superiority the contractor demonstrates in obtaining in-house and subcontractor resources, mobility/demobilizing resources, manning those resources, establishing and meeting realistic schedules, recovering from missed events and deadlines, and communication with PMS 385 representative(s). The contractor is expected to provide timely services which result in successful completion of objectives. Efficient use of resources and the contractor's overall ability to complete objectives/goals within schedule are valued characteristics of timely performance. Well-managed, capable, cost effective and efficient subcontractors/vendors will be a positive factor. Scheduling creativity leading to maximum efficiency and cost savings will be a positive factor.

Consideration: To the degree that the contractor's planning, resources, communications and overall efforts result in effective, efficient and successful completion of delivery order objectives, the award fee will be greater. The converse is also true. Skillful program planning and management that minimizes the impact of missed milestones and allows for efficient and effective recovery leading to successful completion of delivery order objectives are also expected. Effective and timely communication with PMS 385 Representative(s) on delivery order progress and immediate identification of problems are of major importance. To the degree that the contractor's efforts result in effective, efficient, timely and safe execution of delivery order objectives/completion, award fee will be greater. The converse is also true. The contractor's ability to procure/subcontract necessary resources in a timely and efficient manner is of major importance. To the degree that factors beyond the contractor's control prohibit or interfere with successful completion of task objectives, award fee will not be adversely impacted. However, Government will consider how well the contractor is able to effectively and efficiently overcome/workaround factors beyond his control.

Factor Weights. The evaluation criteria are weighted for the purpose of determining the percentage of the Award Fee available for each factor. The factor weights may be changed unilaterally by the Government if notice is provided to the Contractor prior to the evaluation period in which the changed weights will apply. The Contractor may request a change in the factor weights upon written request to the Contracting Officer. It is at the Government's discretion to alter the weights upon request by the Contractor. The factor weights are as follows:

Factor No. 1. WEIGHT: 60%

This evaluation factor is weighted at 60% for purposes of determining the total possible Award Fee payable under this provision. Up to but no more than 60% of the total possible Award Fee is payable for this factor for the evaluation period.

Factor No. 2. WEIGHT: 40%

This evaluation factor is weighted at 40% for purposes of determining the total possible Award Fee payable under this provision. Up to and no more than 40% of the total possible Award Fee is payable for this factor for the evaluation period.

(6) Evaluation Periods

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 37 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Performance Ratings will be conducted in accordance with the schedule below

Evaluation Period	Start Date	End Date
1	Upon Award of Task Order	12 Months After Award
2	Upon Award of Option Year 1	12 Months After Award
3	Upon Award of Option Year 2	12 Months After Award
4	Upon Award of Option Year 3	12 Months After Award
5	Upon Award of Option Year 4	12 Months After Award

**Note: The above table will be updated with actual start/end dates upon Task Order Award.*

(7) Ratings. In evaluating Contractor performance for this Award Fee, the following ratings shall be used to determine the percentage of fee payable:

Rating	Performance Rating	Definition of Rating
Excellent	91-100	Contractor has exceeded almost all of the significant award-fee criteria and has met overall schedule and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.
Very Good	76-90	Contractor has exceeded many of the significant award-fee criteria and has met overall schedule and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for award-fee evaluation period.
Good	61-75	Contractor has exceeded some of the significant award-fee criteria and has met overall schedule and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.
Satisfactory	51-60	Contractor has met overall schedule and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.
Unsatisfactory	50 and below	Contractor has failed to meet overall schedule and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.

**Note: A performance rating of 50 or below is deemed Unsatisfactory. The Contractor shall not be entitled to an award fee for a rating of 50 or below. In the event an Unsatisfactory performance rating is given in any factor, no Award Fee shall be paid for that factor to the Contractor. Hence, an unsatisfactory rating for any factor will result in no Award Fee for that factor*

(8) Calculation of Award Fee

The relationship of the percent of award fee pool to be paid for each contract line item evaluated to the final performance rating as determined by the FDO will be as follows.

For Performance Ratings of 51-100, the percent of Award Fee Pool will be calculated as follows:

- 1) The weighted score will be calculated by multiplying the Performance Rating by the weight of each factor and dividing by 100.
- 2) The Total Weighted Score will be calculated by adding the weighted scores for each factor.
- 3) The Award Fee Pool will be calculated by multiplying the actual hours worked by the Award Fee (Fee Per Hour) as bid. (See Bid Amount chart in section (a)(iv)(2)).
- 4) The Award Fee Amount will be calculated multiplying the Total weighted score by the award fee pool.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 38 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Example:

Step one: Weighted Score

Score x Weight divided by 100 = Weighted Score

(Factor 1) $90 \times 60 / 100 = 54$

(Factor 2) $95 \times 40 / 100 = 38$

Step two: Total Weighted Score

Factor 1 + Factor 2 = Total Weighted Score

$54 + 38 = 92$

Step Three: Award Fee Pool

Actual Hrs x Bid Fee Per Hour = Award Fee Pool

$240000 \times 50.00 = 12,000,000$

Step Four: Award Fee Amount

Total weighted score x Pool = Award Fee Amount

$92 \times 12,000,000 = 1,104,000,000.00$

(9) Maximum Award Fee

In no event shall the total Award Fee under this Task Order exceed of total cost (excluding Facilities Capital Cost of Money).

(10) Payment of Award Fee

The contractor shall be paid award fee, if any, upon submittal of proper invoice or voucher to the cognizant Payment Office, together with a copy of the unilateral modification to the Task Order authorizing payment of award fee for the applicable Evaluation Period. The contractor's invoice must cite the appropriate accounting data in order for payment to be effected. There will be no interim or advance billing of award fee prior to a final determination by the FDO.

(11) Amount Available for Payment of Award Fee and Amount Earned

The following table summarizes the amount available by award fee period and the amount earned by period.

Evaluation Period	Amount Available	Amount Earned
1	JHSV -	TBD
2	MLP -	TBD
3	TBD	TBD
4	TBD	TBD
5	TBD	TBD

**Note this table will be completed over the duration of the Task Order.*

EXPEDITING CONTRACT CLOSEOUT (NAVSEA) (DEC 1995)

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

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

LIMITATION OF COST OR LIMITATION OF FUNDS LANGUAGE

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

PAYMENTS OF FEE(S) (LEVEL OF EFFORT) Alternate 1 (NAVSEA) (MAY 2010) (APPLICABLE TO LABOR CLINs 4000, 4001, 4100, 4101, 7200, 7201, 7300, 7301, 7400, AND 7401)

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

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 39 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

fee" in cost-plus-fixed-fee type contracts for level of effort type contracts.

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

TRAVEL COSTS - ALTERNATE I (NAVSEA) (DEC 2005) (APPLICABLE TO ODC CLINs 6000, 6100, 9200, 9300 AND 9400)

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

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

(c) Relocation costs and travel costs incident to relocation are allowable to the extent

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 40 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

SECTION C DESCRIPTIONS AND SPECIFICATIONS

INTRODUCTION:

The mission of PMS 385 is to develop, design, acquire, outfit and test Strategic and Theater Sealift Ships and systems. PMS 385 also provides concept studies, preliminary design and technology development. These efforts include detailed research, development, transitioning, and integration efforts for Maritime Prepositioning Force (MPF), Strategic Sealift, and Naval Operational Logistics (OPLOG) Integration. These efforts may also include the transition of mission applicable Office of Naval Research (ONR) developed technologies. Currently PMS 385 is in the acquisition phase for one ship, the Joint High Speed Vessel (JHSV), the transition from Research and Development (R&D) to Production for the Maritime Landing Platform (MLP) and a variety of (R&D) efforts for MPF, Strategic Sealift and OPLOG Integration. The JHSV Program is a Joint Army/Navy program with PMS385 acting as the joint acquisition office. The Lead Ship, JHSV 1 (Army), is currently under construction with delivery planned for early FY12. Contract options for JHSV 2 (Navy) & 3 (Army) are planned for award in early FY10 with contract options for another 7 ships not yet available for exercise. Future contract awards will be required for ships beyond the first 10. The MLP program recently awarded a contract Systems Design Part 2 (SD2) with options for Long Lead Time Material (LLTM) Detailed Design and Construction (DD&C). Option exercises are planned to support delivery of the first ship in FY13. This solicitation requires professional and engineering services to support the Strategic and Theater Sealift Ships program office in executing its responsibility to satisfy current and future Navy needs for JHSV, MLP and R&D for MPF, Sealift, and OPLOG Technologies.

BACKGROUND:

This solicitation seeks a Contractor or Contractors capable of providing expertise in the areas listed below to assist PMS 385 and the SEA 05C Systems Design manager assigned to support PMS385 programs in accomplishing the PMS385 missions and objectives. These tasks shall be primarily executed in the Washington, DC Metro area, with additional work being performed in Mobile, AL, San Diego, CA and other locations as yet to be determined.

Offeror(s) shall provide an adaptable, flexible team structure that maximizes productivity, efficiency, and accountability within the funds provided by the Government. The successful offeror must execute the scope of work in a manner that provides for high quality, timely and well-integrated services which incorporate the proper mix and demonstrate the most effective use of personnel.

The Statement of Work (SOW) defines support areas relevant to the Strategic and Theater Sealift program office. Support areas include, but are not limited to, Program Planning and Management, Business and Financial Management, Research Development Engineering, Systems Engineering, Production Planning and Production Engineering, Test and Evaluation Engineering, and Integrated Logistics Support.

SCOPE:

1.0 GENERAL

2.0 PROGRAM MANAGEMENT

3.0 BUSINESS AND FINANCIAL MANAGEMENT

4.0 RESEARCH AND DEVELOPMENT ENGINEERING

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 41 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

5.0 SYSTEMS ENGINEERING

6.0 PRODUCTION PLANNING AND PRODUCTION ENGINEERING

7.0 TEST AND EVALUATION (T&E) ENGINEERING

8.0 INTEGRATED LOGISTICS SUPPORT (ILS)

9.0 SOF SUPPORT

1.0 GENERAL

1.1 Quality Control Plan (QCP)

The Contractor shall maintain and update as required the QCP submitted with the Contractor's proposal. The QCP shall ensure that Government receives the level of quality that is consistent with the requirements specified in the task order. The QCP shall be a deliverable for this task order CDRL A006. Basic requirements to the plan shall include how the offeror will ensure that the appropriate personnel and resources are available for supporting the effort; how deliveries will be tracked; how problems will be resolved; how performance will be monitored and how feedback from the government will be obtained regarding performance. The government will also evaluate the offeror's organizational quality control program and its compliance with applicable quality regulations.

1.2 Electronic Email

The Contractor shall have an electronic mail capability and the necessary connectivity to communicate with PMS 385 team members. MS Outlook mail is preferred in order to communicate and coordinate meetings and schedules with PMS 385. The Contractor must have the capacity to interface via electronic mail and provide Internet addresses for all employees supporting this task order. The Contractor shall be responsible for obtaining all necessary Public Key Infrastructure (PKI) certificates for their employees who must access DoD websites in the performance of the contract. The Contractor shall be proficient in and use Microsoft Office as the primary document/spreadsheet/database application suite. The Contractor shall use Microsoft Project (2000 or later) as the primary project scheduling application.

1.3 NMCI Computer Access

The Contractor will have access to the NMCI Network.

1.4 Staffing

The Contractor shall ramp-up immediately upon Task Order award and have its support team in place and fully functioning within 45 calendar days from effective date of the Task Order. Key Personnel positions identified by Contractor in its proposal must be filled within 30 calendar days of Task Order award. The Contractor's team shall align itself to support the program with an efficient mix of financial, technical, and administrative personnel with a cost effective balance of experience and expertise levels. The Contractor shall provide an adaptable, flexible team structure that is best suited to accomplishing both planned and emergent tasks. Emphasis shall be placed on a team structure that also maximizes productivity, efficiency, and accountability within cost estimates provided by the Government. The Contractor must execute this scope of work to provides for high quality, timely and well-integrated support services while incorporating an efficient personnel mix demonstrating the most effective use of personnel. Approximately 1 to 2 contract staff might be required to be seated at the Pentagon to provide PMS 385 support to OPNAV.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 42 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

1.5 Contract Progress Status Reporting

The Contractor shall comply with the following requirements for monthly progress reporting to be deemed responsive to the requirements of this Task Order.

For each monthly progress report:

1.5.1 Part 1 – Narrative Description

Provide in accordance with Exhibit A CDRLs monthly reports that include the following: a narrative description of work accomplished during the period for each Technical Instruction (TI) received broken out by Task and Subtask Areas, an Earned Value Report, details of problems encountered or anticipated with appropriate recommendations, a description of travel by TI task area, together with a narrative of work planned for the next reporting period. Each narrative by TI task area will highlight the Contractor's self-evaluation of performance against evaluation factors, and will be used in award term/award fee determinations.

1.5.2 Part 2 – Financial Status

The Contractor shall use the matrix of CLINs as outlined in Section B to aggregate tasks in preparing the monthly performance report and for reporting hours and dollars for both planned and actual expenditures. The Contractor shall report hours and dollars by individual task as well as aggregate by CLIN.

1.6 Facility

Seating/Conference room space shall be available at the contractor's facility.

1.6.1 Program Acquisition Site

The offeror shall provide and maintain a suitable facility from which to conduct this work located as close as possible to the Washington Navy Yard, to support integrated design and engineering capability including accredited connectivity to the Navy's network infrastructure. This facility shall be capable of accommodating a mix of Government personnel and Contractor personnel to execute the work with seating spaces for up to 20 government workers. The facility shall provide all computer hardware and software required to support these task statements. The facility shall have a secure room approved for closed storage of classified material up to Secret and for classified data processing. The facility shall also have a conference room suitable for presentations and discussions up to Secret. The program acquisition site shall meet requirements for security accreditation up to Secret, if required by the project. Additionally, the offeror shall provide offsite safe storage of all backup digital data.

1.6.2 Conference Room

The Contractor shall provide on-site, within as close proximity as possible to the Washington Navy Yard, Classified (up to SECRET level) and Unclassified conference facilities and associated facilities for holding meetings, teleconferencing, video teleconferencing and briefings for PMS 385 program personnel. The Contractor's conference rooms shall be able to accommodate at least 55 people each, and be able to support at least 2 meetings simultaneously. The conference and meeting facilities shall include a networked conference room with projection and VTC capability (including the ability to host a VTC with multiple locations), with the VTC site having the ability to display VTC and data presentations. The VTC capability required is at

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 43 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

the unclassified level. No SIPRNET connectivity is required.

1.6.3 Waterfront Production Site

The Contractor shall provide and maintain a suitably facility from which to conduct Production Waterfront Management tasking located in the vicinity of Mobile, AL. This facility shall be capable of accommodating a mix of Government personnel and Contractor personnel. The facility shall provide all computer hardware and software required to support these SOW Task statements (6.7 - 6.17), telephone and internet connectivity, and necessary office furniture. The facility shall also have a conference room suitable for Unclassified presentations and video teleconferences which can accommodate up to 20 personnel.

2.0 PROGRAM MANAGEMENT

2.1 Program Management Support

Provide executive, analytical, management and administrative support including, but not limited to: strategic planning, training and personnel development; coordination of management office operations including management of records, schedules and correspondence; analytical support; deliverables tracking; task management; and advice to the Government to support development of milestones and objectives for PMS 385. Support the Strategic & Theater Sealift program office development and maintenance of plans. Support the development and maintenance of Strategic & Theater Sealift program briefings, including briefings for OPNAV, ASN, SECNAV, OSD AT&L, Congressional Committees, etc. Assist in development of congressional reports/responses to congressional inquiries.

2.1.1 Program Planning

Provide programmatic support for PMS 385 goals, objectives and acquisition strategies. Assist in developing required plans, concept papers, white papers and briefings. Provide support for Enterprise Resource Planning (ERP) development, preparations, implementation and execution, action and milestone planning and tracking, project planning and progress, program metrics establishment and tracking, and participation in designated meetings and milestone reviews.

2.1.2 Acquisition Management

Provide acquisition support, management planning and execution support for ship and ship system contract awards. Assist in acquisition program documentation development, including researching requirements and drafting assigned acquisition documents. Assist in the review of cost, schedule, and performance parameters with respect to the Acquisition Program Baseline (APB). Provide support during each major PEO SHIPS budget development exercise. Assist in the preparation of Defense Acquisition Executive Summary (DAES) reports, Selected Acquisition Reports (SARs), Program Deviation Reports, Probability of program success (POPS) updates, Program Management Decision Support System (PMDSS), Gate reviews and APB Change Reports. Assist in the preparation of exception DAES and SAR reports when required. Develop, implement and maintain a process for indexing, storage and retrieval of reports and supporting documentation. Support the Strategic & Theater Sealift program office with the coordination of all DOD Defense Acquisition Boards, Milestone, Gate Reviews, Resources Requirements Review Board (R3B) and PEO Ships/NAVSEA documentation. Assist

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 44 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

PMS 385 in the development of programmatic and technical documentation related to JHSV, MLP (e.g., ship specifications, test and evaluation documents, Milestone A and B documents, request for proposal documents, etc.)

2.2 Requirements Documentation Support

Provide support to the Strategic & Theater Sealift sponsor, OPNAV N85, and NAVSEA 05C. This support will include assistance and research in systems engineering efforts, development of requirements documents, and cost estimating functions.

2.2.1 Strategic & Theater Sealift sponsor

Support the Strategic & Theater Sealift sponsor/requirements offices (OPNAV N85 and OPNAV N42) with systems engineering and related efforts as required for the development and management of Strategic & Theater Sealift requirements documents (primarily the Initial Capabilities Document (ICD), Capabilities Development Document (CDD), Capability Production Document (CPD) and JCID supporting document) and supporting documentation and studies supporting the Strategic & Theater Sealift budget, including POM/PR issue support and studies. Support the conduct of surface warfare related studies as required. This may include analyses and REPORTS on any of the major warfare areas that support the surface Navy. This also includes, but is not limited to studies related to future force structure for the surface Navy.

2.2.2 OPNAV N85

Provide PMS 385 support to OPNAV N85 to clarify and improve understanding with respect to evolving mission package requirements, analysis, measures of effectiveness, capability requirements and milestone delivery dates, and overall progress toward delivering following ships and mission packages. Work on behalf of PMS 385 with OPNAV N85 to provide continuity and insight on all aspects of developing current and future capabilities. Provide support for special tasking related to the Strategic & Theater Sealift programs. Support may include data and fact gathering analyses, evaluations and recommendations related to DoD planning, programming, budgeting and warfare mission area requirements definitions, liaison with the cognizant organizations, stakeholders and coordination with identified points of contact. There may also be a need to provide support to the requirements generation processes, analysis of war fighting capabilities, development of program strategies, and development of plans of actions. Review developing progress, interim results, potential issues and friction points with OPNAV N85/N42 particularly as they are related to Strategic & Theater Sealift mission requirements, acquisition strategy, ICD/ CDD guidance, requirements, and performance attributes. This general support may include the collection and assessment of output data, preparation and presentation of briefings for agreed upon audiences and hosting meetings, as required. Provide support on behalf of PMS 385 to OPNAV N85/N42 for designated meetings to share information, evaluate efforts and support responses to inquiries.

2.2.3 Cost Analyses

Perform a range of cost estimating functions working closely with the NAVSEA technical authority (SEA 05C) for mission systems to include but not limited to: Review of Government and industry estimates and assumption methodologies. Review and validate parametric estimating tools and analysis and collection of historical cost data. Provide independent cost estimates for development, construction, operation, and support for both new and existing

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 45 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

systems. Assist the Government's monitoring and analyzing of Contractor cost and schedule performance reports in order to incorporate necessary impacts in the program cost. This support includes the development of an independent Estimate at Completion (EAC) as required.

Conduct and document risk analyses to provide confidence intervals, overall risk distributions, and determine likelihood of successful execution within budget. Support inquiries, briefings, and meetings with NAVSEA, OPNAV, OSD, and Congressional reviews and inquiries. Assist and participate in IBRs, OTBs, OTSs, and other baseline review events as required. Provide support to PMS 385 for planning, managing, conducting and documenting appropriate Earned Value Management Systems reviews, and assist in the resolution of issues or deficiencies cited in the reviews.

2.3 Development and Concept Analysis

Provide advice, recommendations and drafts of strategic, programmatic, and business plans. Conduct analysis of current and proposed business practices, perform organizational assessments, develop improved business processes, and identify and track major technical and programmatic issues. Address strategy development, alternative analyses, and technical and programmatic assessments to support responses to the changing environment and fiscal priorities. Assist in the development and updating of strategies to support evolving program requirements by collecting and analyzing data, preparing outlines, and assisting in development and preparation of status, information and decision briefings. Assist in development and preparation of issue papers, point papers, presentations and study reports. Research emerging Strategic & Theater Sealift information technologies, and assist the Government in performing verification of requirements, standards, concepts, and technologies for applicability to the Strategic & Theater Sealift and associated PEO SHIPS programs. Assist in the development of technical, programmatic, and operational concepts and plans for integrating technologies into the Strategic & Theater Sealift acquisition strategy. Participate in applicable Integrated Product Teams, Working Groups, Advisory Groups, etc. on all aspects of strategic and operational concepts for Strategic & Theater Sealift programs and its missions. Plans will support both existing and future Joint Interoperability requirements.

2.4 Risks and Opportunities Management

Support the coordination of the Strategic & Theater Sealift risk program, facilitating the Strategic & Theater Sealift risk board meetings and assessments and maintaining an interactive, web-accessible Strategic & Theater Sealift risk database for PMS385. Serve as the Strategic & Theater Sealift Risk Coordinator. As part of this role, perform a range of risk and opportunities management functions to include but not limited to: support Strategic & Theater Sealift programs in the conduct and review of total program risk and opportunities assessments, monitor the industry team risk programs and provide input and recommendations on risk mitigations to PMS 385. Maintain and update as required, the Risk Management Plan (RMP) and associated processes. Assist in supporting the Risk Manager in the execution of the RM Process and associated documentation. Support a process that defines program risks, prioritizes these risks according to occurrence probability, identifies consequences of these risks, and develops mitigation plans to reduce/eliminate risks. Support the establishment and conduct of a Risk Management Working Group and Program Risk Board. Participate in risk assessment and reduction efforts utilizing the process defined in the RMP and the Program's identified risk management tool(s) (i.e., Risk Exchange).

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 46 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

3.0 BUSINESS AND FINANCIAL MANAGEMENT

3.1 Budget Execution

Provide financial and management support for PMS 385 budget development, execution and reporting in NAVSEA Enterprise Resource Planning (ERP) and non ERP systems and processes. Assist in the maintenance of an across the board budget documentation including detailed task planning sheets for all of the PMS 385 divisions. Assist in identification, justification, and defense of the financial resources for both current budgets and out-year forecasts. Assist in gaining acceptance for the five-year plan, preparing budget exhibits, and supporting documentation used to defend yearly submissions to FMB and Congress. Assist in the development of budget execution data required for the annual Ship Cost Adjustment (SCA).

3.1.1 Financial Management, Analysis, and Reporting

Provide inputs to and assist in supporting the preparation of various exhibits, briefings, presentations and funding documents on the yearly execution of funding, including RDT&E, SCN, OM&N, NDSF, and OCF funding in NAVSEA Enterprise Resource Planning (ERP) and non ERP systems and processes. Conduct analyses, report financial risk, and advise the Program Manager of strategies to mitigate the impact of financial risks on the program. Assist the program in responding to internal and external inquiries and requests for program information.

Assist in the preparation of funding execution documents, track and analyze program financial transactions, and assist in the development of obligation phasing plans. The Contractor will document program financial status weekly. Provide financial status reports and assessments to identify program financial surpluses and shortfalls, assist in data accumulation, and analysis and assist in preparing program budget submissions. Provide assistance to the Government in gaining acceptance for budget execution plan(s) with the NAVSEA comptroller and FMB. Provide assistance in the development of the Government's ERP and yearly Task Planning Sheets for all funding execution.

3.1.2 Statutory and Regulatory Reports

Provide input and advise the Government of statutory and regulatory reports in NAVSEA Enterprise Resource Planning (ERP) and non ERP systems and processes. Maintain records of financial history and related documents. Research and prepare inputs to various financial issues that confront PMS 385.

3.2 Contract Management

Assist PMS385 in the development and review of contracts with Government and industry teams Technical Instructions (TIs), Procurement Requests (PRs), execution review studies, alternatives analyses, change orders, other contract modifications, and Requests for Proposal (RFPs).

Provide assistance in monitoring of contract progress and cost changes growth due to industry input (from program briefings, Ship Production Progress Conference (SPPC) results, CPR data, etc), change orders and other contract modifications in both NAVSEA Enterprise Resource Planning (ERP) and non ERP systems and processes.

3.3 Earned Value Management System (EVMS)

Assist in the monitoring of Government and industry teams' Earned Value Management System

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 47 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

(EVMS) and support the maintenance of the Program Manager's Estimate at Completion (PM EAC) for all ships under contract in both NAVSEA ERP and non ERP systems and processes.

3.3.1 Engineering and Production Analyses

Perform ship design and construction Contractor and Subcontractor engineering and production analyses to include but not limited to physical progress, design progress and material procurement, schedule and cost realism, EVMS, Integrated Master Schedule and Critical Path Analysis, shipbuilder's process and progress measurement, quality assurance and testing.

3.3.2 Evaluation of Monthly Submissions

Assist in the Government's evaluation of the PARMs and shipbuilder Contractor monthly submissions.

3.3.3 Analyze and Assess Reports

Analyze and assess PARM and Contractor-submitted reports, contract performance baselines and Estimates at Completion (EACs). Monitor analyze and assess prime and vendor performance of ship design and construction contracts and report prime /vendor performance and status. Assess program cost status, shipbuilder progress and spend plans. Analyze engineering and production cost and schedule performance as necessary in assessment of variances to include identifying trends.

3.4 Briefing Materials

Prepare correspondence and briefing materials to support program reviews, and general data calls.

4.0 RESEARCH AND DEVELOPMENT ENGINEERING

4.1 Maritime Prepositioning Force (MPF) Systems

Assist in the development of new concepts and technologies applicable to ship, related equipments and systems that will provide a highly flexible operational and logistics support capability to enable Expeditionary Maneuver Warfare concepts and to meet required operational capabilities with respect to Force Closure, Amphibious Task Force Integration, Sustainment and Reconstitution/Redeployment.

4.2 Strategic Sealift Research and Development

Assist in the development of new concepts and technologies which can be applied to or will enable the development of future strategic sealift, combat logistics force, and sea basing systems. The technologies include ship configuration concepts, equipments to increase cargo handling and cargo loading/unloading rates (including commercial and merchant ship systems), improved man/machine interfaces, improved structural configurations and materials, and Logistics-Over-the-Shore (LOTS) equipment and system improvements to enable LOTS operations to satisfy JFC sea state and operational requirements.

4.3 Naval Operational Logistics Integration (OPLOG)

Develop enabling technologies for future and in-service afloat operational logistics and integrated supply systems; support the government's definition of integrated combat logistics

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 48 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

force and combatant logistics requirements; coordinate and facilitate information sharing, communication and data collection for cooperative initiatives of acquisition programs, program sponsors, engineering managers, the Navy science and technology community and fleet customers.

4.4 Demonstration and Evaluation

The Contractor may be required to procure incidental materials needed for execution of construction/fabrication of feasibility models and mock ups, and materials in support of shipboard and laboratory testing, and technology development leading to demonstration and evaluation. Prototype hardware items incidental to demonstration and evaluation tasks may be procured or designed/fabricated for the purposes of testing and validation of concepts, equipments, systems or products. This may require technical and on-site assistance in procurement, in-process design reviews, hardware manufacturing, progressing, equipment and installations. This may also require technical and on-site assistance in performing tests and trials and in supporting Technical Evaluation (TECHEVAL), Operational Evaluation (OPEVAL), and test results analyses. Material and hardware may be procured under this task order for prototype and demonstration shipboard installations.

5.0 SYSTEMS ENGINEERING

5.1 Total Ship Systems Engineering

Provide technical and management support for PMS 385 engineering efforts for the PMS 385 Systems Integration Manager (SIM) and the SEA 05 System Design Managers (SDM) throughout the development, design Production, delivery, and testing phases of ship construction. Provide technical support for introduction, development and fielding in the areas of Ship Design/Hull, Mechanical and Electrical, Combat Systems, C4I systems, Aviation Integration, and Mission Package Integration.

5.1.1 Ship Design

Provide assistance in the Government's monitoring and analyzing of the development of ship design with industry and assist in performing technical evaluations by providing advice to the Government on risk areas, required changes, certification impacts, lifecycle impacts, or other systems integration challenges.

5.1.2 Technical Reviews

Support the Strategic & Theater Sealift program office technical reviews, analyses, and evaluations of PARM and industry designs in the above areas. Participate in Integrated Product Teams (IPTs), working groups, design meetings, and production reviews.

5.1.3 Technical Baseline

Support the technical design approval and production introduction of each technical baseline. Support the Design Maturity, Function Design Readiness, Production Readiness and other review and approval process. Advise both the SIM and SDM on each proposed technical baseline modification.

5.1.4 Risk Analysis on Baseline Modifications

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 49 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Perform risk analysis of proposed design baseline modifications/changes. Provide a technical evaluation of each proposed change for the change board. Identify documentation requiring revisions or updates as a result of new or modified industry designs.

5.1.5 Design Drawings Review

Provide technical support in the review of design drawings, revision notices, ship specifications, and contract data deliverables for shipbuilding contracts issued by PMS 385. Assist in the verification that equipment installations and contractor submitted drawings are in accordance with contract requirements.

5.1.6 Technical Analysis

Provide Technical Analysis in the following areas:

5.1.6.1 HM&E

Provide technical analyses and services for ship design, naval architecture, marine engineering, and integrated systems engineering for Hull, Mechanical and Electrical (HM&E) systems issues including Aviation IPTs and certifications.

5.1.6.2 Combat/C4I Systems Integration

Provide technical analyses and services for Combat/C4I Systems integration including evaluating and advising the Government of risk areas, risk mitigation opportunities, and opportunities for commonality. Provide assistance for the risk reduction of network and software integration.

5.1.6.3 Procurement

Provide technical analyses and services for the ship procurement, including evaluating and advising the Government of risk areas, risk mitigation opportunities, and opportunities for commonality.

5.1.6.4 Single Service Vendor

Provide technical analyses and services for Single Service Vendor product related issues including but not limited to Machinery Control Systems issues. Evaluate and advise the Government of risk areas and opportunities for risk reduction.

5.1.6.5 Trial Card

Provide technical analyses and services for Trial Card review and resolution.

5.1.7 Design Solutions

Support the development of design solutions for production and development challenges as they emerge.

5.1.8 Testing Lessons Learned

Coordinate testing lessons-learned from Post Delivery Test and Trials results and develop corrective actions.

5.1.9 Configuration Data

Develop and maintain configuration data. Coordinate the resolution of discrepancies. Prepare technical assessments of Government responsible deficiencies that are documented from

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 50 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Builder's and Acceptance Trials.

5.1.10 Systems Engineering Plan/Design Manual/Ship Design Guide

Develop and Maintain the Systems Engineering Plan (SEP), Design Manual, and Ship Design Guide.

5.1.11 Ship Specification Configuration

Maintain Ship Specification Configuration and support Document Change Process in PMS 385 Project Management System environment. Maintain a technical requirement traceability matrix for each PMS 385 ship acquisition program.

5.1.12 Statements of Work

Assist the Government in the development, review and update of statements of work and coordination of pricing and scheduling and monitoring the execution of Contractor Special Studies related to design/systems engineering. Provide advice regarding technical input to the statement of work for new solicitations.

5.2 Engineering Analysis

Provide engineering, analysis, and technical studies support. Review and assist in the Government's evaluation of development studies and production execution. Assist in the Government's evaluation and validation requirements traceability for operational requirements, performance requirements, Measures of Performance (MOPs) and Measures of Effectiveness (MOEs). Perform risk analyses and assessments of proposed alternatives. Assist in the development and evaluation of plans, procedures and processes for Navy Certifications and Verification and Validation, as they relate to the elements of the system design. Conduct independent system engineering analyses to identify and recommend resolutions to emergent issues. Analyze system functionality and requirements development. Perform interoperability assessments as required.

5.3 Planning and Procedures

Provide support in the development/evaluation of plans, procedures, and processes as they relate to the ship design elements. Provide expertise and engineering support to all aspects of systems engineering. Assist Government's development of information, documentation, and technical studies provided to industry to assist in the definition and design. Assist the Government's development of responses to industry queries. Provide support in the Government's development of all required technical documentation.

5.4 Science and Technology

Assist in the Government's coordination of all Strategic & Theater Sealift Science and Technology (S&T) efforts. (i.e., Small Business Innovative Research (SBIR) topic areas, annual S&T investments, S&T funding sources, ongoing Technology Transition agreements/MOAs, new and ongoing Technology Transition agreements, and Development efforts focused on achieving Technology Readiness Level (TRL)).

6.0 PRODUCTION PLANNING AND PRODUCTION ENGINEERING

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 51 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

6.1 Program Management

Provide the Strategic & Theater Sealift programs with support and assistance in researching, planning, budgeting, maintaining, conducting, and executing production support. Assist in the development of Flag presentations, point papers and talking points as required. Provide additional production support to cover increased workload as additional ships are awarded.

6.2 Schedule Analysis

Provide reports and recommendations on Integrated Master Schedule (IMS) analysis. Analyze the overall IMS, for schedule and data integrity, including relationship logic and calculated date and float values, progress status anomalies including out of sequence progressing, tracking & monitoring the critical path, analyzing resource demand spreads and assessing performance to the baseline/operational plan. Included will be schedule movement analysis, percent low float analysis, review of activities reporting physical percent complete and resource level analysis to indicate where program is headed. Lists of critical items or items in jeopardy will be highlighted. Provide technical inputs relating to IMS performance requirements. Provide analysis and metrics relating to the impacts of schedule changes that show out of sequence work. Support various earned value and production reviews including Integrated Baseline Reviews, OTB/OTS reviews, Productions Readiness Reviews (PRR) and Shipbuilding Production Progress Conferences (SPPC) providing production and schedule inputs. Add new ships to existing metrics reports as required.

6.3 Production Quality Management

Provide quality engineering services, metrics, analysis, and recommendations. Investigate production quality issues and generate technical reports of issues at each of the 2 shipyards for the MLP and the JHSV Programs. Research root causes of trends and report findings. Generate ad hoc and routine reports using Total System Management (TSM). Generate critical quality metrics on a monthly basis. Assist in the Governments review of contractor submission of QA Plans and Procedures to assess compliance with PMS 385 shipbuilder contracts, ship specifications, and other requirements.

6.4 Production Business Management

Monitor, assess, and report on performance of construction contracts. Support the Principal Assistant Program Manager (PAPM) and other managers with EVM Analysis that correlate EVM/CPR data with actual surveillance information (assessing physical shipyard performance and schedule adherence) to provide a complete picture of shipbuilder cost and schedule performance. Develop and maintain Task planning Sheets. Collect, track and manage to completion action items from OTB/OTS, Integrated Baseline Reviews (IBR), and Program Reviews. Coordinate and prepare production POM and PR submittals. Track funding documents and help manage production budget allocations. Prepare and provide production budget documentation in support of budget previews. Collect, track and manage to completion all PMS385 action items from the weekly Program Director Business Meeting.

6.5 Develop and Maintain Familiarization Handbook

The Contractor will develop and maintain ship specific compartment and system handbooks.

6.6 Production Engineering

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 52 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Assist the Production Managers in review/analysis/reporting of manning, rework, out of sequence analysis, learning curve analysis and physical progress metrics. Develop and update monthly, production metrics books derived from IMS and other detailed production data. Utilize Primavera and other scheduling software to perform production analysis of the ship construction schedule. Use the wInsight program (software program produced by Deltek) and other EVM software programs to mine the detailed cost performance data. Produce a standard monthly set of excel charts from the data and provide the hard and soft copy books of the data monthly with a report highlighting emerging performance trends both in hours and material costs. Analyze and interpret EVM and IMS data at the lowest level in wInsite. Perform industrial engineering analysis of productivity trends and impact analysis of trade performance on cost and critical paths.

6.7 Production Work Package Management

Provide Work package analysis to define production readiness, establish production readiness requirements and refine the production readiness assessment process. Ensure that work packages are developed to support accurate physical progressing and cost reporting. Support War room meeting development efforts.

6.8 Coordinate Trials

Provide Production Trial Card Management Support. With Government oversight, Develop/implement the Trial Card management system and support the Trial Card Management requirements. Coordinate Trials. With Government oversight, Serve as on-site Trial Card Management expert during ship trials. Manage the trial card work flow in DIMS. Coordinate and manage Trial Card support for scheduled trial events for each platform for Builders Trials (BT), Acceptance Trials (AT) and Final Contract Trials (FCT). Prepare materials for trial card entry into the Deficiency Item Management System (DIMS).

6.8.1 Trial Card Database

Maintain the IT infrastructure for Trial Card Databases to include providing software upgrades and changes as well as maintenance and data backup. Additional services include: providing on-site support during Builders, Acceptance and Final Contract Trials to ensure hardware/software operability; assisting users; assisting INSURV.

6.8.2 Onsite Trial Card Support

Implement production management support tools and provide on-site support at the MLP and JHSV shipyards.

6.9 Production Waterfront Management

Provide PMS 385 Contractor liaison coordination at each waterfront. Track and coordinate compartment completion efforts, providing regular, real-time status input to the Production Officer. Integrate compartment and system completion efforts with the production test schedule. With Government oversight, develop and execute Navy and Ship's Force compartment acceptance and turnover processes.

6.10 Production Pipe completion and test management

Provide technical expert in the conduct of weld, piping and HM&E inspections at each of the

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 53 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

two PMS 385 waterfronts. Analyze weld deficiencies. Track and coordinates pipe system construction and test at the pipe spool and segment level. Collects for turnover to Ship's Force pertinent pipe test history items for system turnover process.

6.11 Deck Machinery and Corrosion Control

Provide shipboard technical support in the areas of Deck Machinery and Corrosion. Compare the "as is" condition to the build specs and drawings to validate compliance of the installations. Analyze and trouble-shoot problems, perform inspections and provide recommended solutions.

6.12 Label Plate Management

Assist and provide support to the tiger team to visit each of the ships within 6 months of Acceptance Testing (AT) and perform an assessment of the shipboard label plates (piping, compartments, systems, etc), validating them to the drawings and ship design. Develop a database for the ship design that identifies each label plate. Produce label plates to correct shipboard deficiencies. Review and compare all systems drawings, specifications and ship requirements documents, HVAC Design Criteria, to determine the damage control and ship labeling requirements for each ship. Conduct 100% shipboard check of completed ship to ensure all required label plates and documentation is corrected. Provide reports on findings.

6.13 Production Certification Management

Coordinate inspections and tests to complete required ship certifications on each ship. Maintain a current matrix of requirements for each certification. Coordinate closely with certifying authorities to ensure all requirements are met. Collect for turnover to ship's force pertinent certification-related artifacts for material history to include inspections, material test data reports.

6.14 Test Management

Support Test Management within the following categories:

6.14.1 Production Test Management

Provide assistance for on-site inspection functions for ship tests, compartment completion inspections, certifications and trials. Record documented deficiencies, screenings and status using an automated information system. Participate in at-sea ship trials and trial card pre-screenings. Conduct trial card recording, tracking, coding, trend analysis, and engineering analysis using an automated information system. Support PMS 385 and SUPSHIP to coordinate inspections and tests to complete required ship certifications. Maintain a current matrix of requirements for each certification.

6.14.2 HM&E Test Management

Support SUPSHIP with the coordination and execution of the HM&E Test plan as directed. Coordinate closely with the shipbuilder to ensure all requisites are complete prior to testing. Coordinate a Naval Technical Authority (NTA) test witness program. Coordinate and document Program Office input and guidance to waterfront test organization, track and report test observations/feedback/failures/metrics.

6.14.3 Combat System Test Management

Coordinate closely with the shipbuilder to ensure all requisites are complete prior to testing.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 54 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Coordinate a NTA test witness program. Coordinate and document Program Office input and guidance to waterfront test organization, track and report test observations/feedback/failures/metrics.

6.14.4 Production Test and Trials HM&E Support

Provide technical analyses and services for all HM&E elements engineering issues including evaluation and support to the Government in planning and conduct of test and evaluation of all Hull, Mechanical, and Electrical systems and subsystems to be integrated into the ships. Participate in at sea ship trials, liaison with INSURV to de-conflict operational and performance issues and conduct trial card pre-screening. Focus of support efforts will be on New Construction Test and Trials to include Builders and Acceptance Trials, Industrial Post-Delivery Availability period, and Post-Shakedown Availability period.

6.14.5 Production Test and Trials C/S Support

Provide technical support to assess, evaluate, and provide recommendations for combat systems equipment and system problems that arise in support of ships trials, Commanding Officer Concerns letters and Trial Card reviews. Participate in at sea ship trials, liaison with INSURV to de-conflict operational and performance issues and conduct trial card pre-screening.

6.15 Support the execution of Post Delivery Availabilities (PDA)

Participate in planning efforts and review of PDA work specifications and Engineering Change Proposals (ECPs).

6.16 Provide Post Shakedown Availability (PSA) planning support

Participate in planning efforts and review of PSA work specifications and (ECPs). Conduct research and ship checks to validate planned work package scope. Provide Final Contract Trial (FCT) availability and Post Repair Trial (PRT) planning and execution.

6.17 Waterfront Staffing Support

Provide primary staffing support of PSA Planning and Execution on the waterfront, either at a Navy or private shipyard or at a ship's homeport. Access the vessel including all spaces of the vessel and possible dry-docks where it may be docked in order to progress work being completed during the availability. Provide support at NAVSEA's Washington Navy Yard facility during the PSA planning phase as well as on-site support at the PSA executing yard.

6.18 Post Delivery Hull Support Management

Provide primary support for the Hull Manager (HM) and coordinate all IPDA/PSA planning and execution efforts. Monitor work item candidates from various sources including the Configuration Control Board (CCB), PEO IWS, HM&E Support Team, PDSM, Ships Force, and Lessons Learned. Generate Planning Letters for growth and emergent items during the PSA. Produce chit request for the various work items. Create and maintain a Post-PSA tracking matrix to ensure that work items not completed during the PSA window will remain open until completion.

6.19 Post Delivery Trial Cards Management

Provide a Trial Card Manager (TCM) to each ship. The TCM supports the Hull Manager (HM)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 55 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

and is the focal point for all Trial Card Management efforts from Sail Away through the End of SCN. Work with the PMS HM to resolve trial card issues as they arise and to track and close all trial cards and work items. Review, evaluate and coordinate all trial cards for closure (signed-off by the appropriate personnel) and maintain the Database for the Compartment Closeout Process.

6.20 Post Delivery Hull Engineering

Provide a Post Delivery Hull Engineer to each ship. The Hull Engineer supports the Hull Manager (HM) and coordinates all technical issues during the Post Delivery period, to include IPDA and PSA in order to assist the HM. Assist the HM at the CCB, coordinating the inclusion of ECPs into the IPDA and PSA work packages. Resolve HM&E engineering design and technical issues of the HM&E portion of the IPDA and PSA Work Package. Function as the lead engineer for HM&E installations accomplished at IPDA and PSA. Review work items for technical accuracy. Provide onsite Engineering support during Post Delivery Availabilities.

6.21 Funding Metrics to Support PEO SHIPS Post Delivery

Support the PDM and acquire Post Delivery cost information for all Post Delivery contracts. Provide Predicted End Cost (PEC) for upcoming availabilities and develop a solid history of determining the Direct Production Labor (DPL) hours for Post Shakedown availabilities.

6.22 Post Delivery Funding

Track all Post Delivery funding issued by BFM representatives for the correction of deficiencies and completion of deferred work during each availability. Obtain EAC reports from Planning and Executing shipyards in order to identify funding requirements for the PDM. Develop reports which accurately reflect outstanding budget requirements as well as the obligation of funds.

6.23 Develop a Work Package (WP) for each hull

Estimate the Direct Production Labor (DPL) hours for each work item in the WP. Utilize previous cost summaries issued by the Availability Planning and Executing Yards and apply cost information to applicable work items in upcoming availabilities. For work items not previously accomplished, assist the Government in developing an independent ROM man-hour and material estimate for the tasked changes and maintain a total work package man-hour estimate. This estimate will be available in advance of the shipyard EAC report and will be used by the PDM as an accurate measure for the size of each work package.

6.24 Post Delivery Logistic Support Coordination

Provide a PSA Logistics Coordinator is assigned to each ship during PSA and any planned or unplanned availabilities during the Post Delivery period. The Logistic Coordinator provides Integrated Logistics Support ILS to the government for contractor work items for the Hull Manager (HM) and is brought in during availabilities after Sail Away to ensure Government Furnished Material (GFM) and Contractor Furnished Equipment (CFE) ILS for PSA work items. Review, track and assess GFM schedules and deliveries.

6.25 Planning Letters

Develop draft planning letters for PMS 385 to complete and approve. Once finalized and approved by PMS 385 forward the Letters, to SUPSHIP for authorization for the IPDA/PSA Planning Yard to perform engineering and material kitting for the new work items.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 56 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

6.26 Production Oversight

Assist the Government in providing production oversight to each ship during PSA and any planned or unplanned availabilities. Track progress and report any issues to the Government related to successful progress including recommendations for quality assurance. Oversee all machinery/piping installations; coordinate open and inspection of HM&E machinery; monitor all applicable HM&E work items through completion during the PSA. Monitor all production work for adherence to quality, schedule and cost. Ensure all production work is performed according to work item specifications. Coordinate compartment closeout. Monitor Production progress and provide CPR analysis (actual vs. planned)

6.27 Rough Order of Magnitude (ROM)

Provide support/drafts and recommendations for Independent Government Rough Order of Magnitude (ROM) and “should cost” estimates for Post Delivery Engineering Changes and Additional Work items to be accomplished at either IPDA or PSA for ship designs.

6.28 IPDA and PSA Work Package

Manage the development and updates of the IPDA and PSA work package tracking databases. Maintain a web-based IPDA/PSA Database. Database for each ship to include, but not limited to Work Specifications for each IPDA/PSA work package item, IPDA Work Package Summary reports, PSA Work Package Summary reports, reports from Inspections and Surveys conducted during Post Delivery, Certification Letters and reports and Post Delivery Turnover Book.

6.29 Planning for Correction of Deficiencies

Contractor shall support planning for correction of Government identified deficiencies. Contractor shall designate representatives to serve as points of contact and conduct engineering reviews to determine correction of deficiency support requirements and individual work efforts. Based on engineering review results, contractor shall prepare work definition packages that may include but not limited to engineering sketches or guidance necessary to support work specs in sufficient detail to outline the correction of the deficiency. Contractor shall validate plans by supporting ship check based on ship availabilities. Contractor shall develop and provide a Planning Schedule to the Post-Delivery Manager upon tasking. The schedule should include a detailed breakout to the work package level including resource loading.

6.30 Correction of Deficiencies

Contractor shall support correction of deficiency efforts by completing required ship and equipment modifications in accordance with applicable industry regulations, provided references, and work definition packages. Rework caused by improperly trained personnel or negligence, shall be the responsibility of the contractor.

Contractor shall provide industrial support including, but not limited to the following tasks: foundation fabrication, foundation fit up, surface/deck preparation, preservation and restoration, cabling, wiring equipment, connector hook up, welding, HVAC modifications, piping system modifications, hot work, equipment removal, equipment reconfiguration, grinding, drilling and cutting plate, lagging and insulating, component manufacturing and installation, powder-coating, priming and painting, equipment disassembly/reassembly, equipment/material installation and transport, equipment testing, (sheet) metal fit/alteration/fabrication as required to correct Government identified deficiencies.

Contractor shall ensure all safety precautions in accordance with section 6.31 references are taken during industrial work to include, but not limited to; fire watch, personal protection equipment and fall protection.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 57 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Contractor shall ensure testing services required in accordance with section 6.31 references are performed. This includes, but is not limited to primary power electrical testing (megohmmeter), cable continuity testing, cable performance testing, Non-Destructive Testing (NDT), visual inspections of production work as required to complete each deficiency correction and any required system restoration testing.

Procurement of industrial consumables and tools required to complete the work per industry standards are the responsibility of the contractor.

The contractor shall procure limited materials as defined by the work definition package to correct the deficiency. It is intended that major material components will be supplied by the Government.

The contractor shall prepare installation completion documentation as outlined in references

6.31 References

The contractor shall reference MSC General Technical Requirements:

- (1) MSC Drawing No. 803-7081122; MSC General Technical Requirements
- (2) MSC Drawing No. 803-7081124; MSC Work Item Preparation Guide

70 TEST AND EVALUATION (T&E) ENGINEERING

7.1 Directors Support

Support the T&E directors with expertise and experience in researching, planning, budgeting, maintaining, conducting, and executing T&E.

7.1.1 Technical Support

Provide technical support in the development, update, and review, of all T&E documentation and plans, including updates to Developmental Test (DT) / Operational Test (OT) Test Scenarios, Plans and Reports, Live Fire Test and Evaluation (LFT&E) Management Plans, detailed program plans and schedules, and environmental and safety assessments for testing. Assist the Test Engineer in organizing and management of Developmental, Operational, Live Fire and other special testing events. Ensure consistency of planned tests with Total Ship Test Program Objectives. Identify variances and assist the Government in resolving any inconsistencies and eliminate any inadequacies. Track and support engineering and cost analyses for T&E objectives.

7.1.2 Yearly Budget Estimates

Assist in developing yearly budget estimates and exhibits for T&E. Coordinate Integrated Test Team inputs.

7.1.3 Master Plan

Maintain the T&E Master Plan (TEMP) in support of the Acquisition Strategy.

7.1.4 Post Delivery Test and Trials

Coordinate and assist in the execution of Post Delivery Test and Trials (PDTT) plan. Assist the Government in managing the conduct of testing, test ranges, test targets, personnel, instrumentation, and reporting.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 58 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

7.1.5 Industry Teams' Test and Evaluation

Monitor and analyze Industry Teams' Test and Evaluation plans and execution for ships. Provide combat systems expertise and experience in researching, planning, budgeting, maintaining, conducting, executing and evaluating combat system integration and test and trial activities. Provide total ship test program management services in all phases of the ship construction including combat systems tests, Builder's Trials, Acceptance Trials, post delivery, Final Contract Trials and Post Shakedown Availability.

7.1.6 Acquisition Documents

Participate in the review of and provide T&E input to acquisition documents. Provide advice, research and recommendations and draft inputs in support of PEO and program office T&E reporting requirements.

7.2 Live Fire Test and Evaluation

Support the T&E manager with expertise, analyses, and execution of the LFT&E plan.

7.2.1 Test and Evaluation Plan

Maintain the Live Fire Test and Evaluation Plan and assist in the implementation of that Program. Assist the Test Engineer in organizing and management of Developmental, Operational, Live Fire and other special testing events. Ensure consistency of planned tests with Total Ship Test Program Objectives. Provide yearly input on LFT&E funding requirements. Attend meetings and coordinate LFT&E efforts with DOT&E LFT&E and the NAVSEA Technical Authority.

7.2.2 Modeling and Simulation

Coordinate and support the conduct of all LFT&E Modeling and Simulation (M&S) for ship Survivability. Conduct specific survivability assessments using various tools. Develop and support the implementation of a modeling and simulation verification, validation, and accreditation process. Support the development of the VV&A plan. Identify all M&S planned for use in support of Operational Test and LFT&E. Prepare drafts of the V&V packages and assure accreditation for all models.

7.2.3 Total Ship Survivability Trial (TSST)

Provide Program Planning and Execution, engineering and technical assistance for the Total Ship Survivability Trial (TSST).

7.2.4 Ship Shock Inspections

Provide Program Planning and Execution, engineering and technical assistance for all ship shock testing, including LFT&E scale model testing, Total Ship Survivability Test (TSST) ship shock inspections and environmental impact assessments and Full Scale Shock Trials.

7.2.5 Equipment and System Problems

Provide technical assessments, evaluations and advise the Government on equipment and system problems that arise in connection with or during ship test and trials.

7.2.6 Certification Management

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 59 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Coordinate Strategic & Theater Sealift program certifications, maintaining a list of all required certifications with an active accounting of each certification's key attributes and status. Serve as the Strategic & Theater Sealift Certification Coordinator, actively coordinating efforts needed to insure each of the certifications is accomplished at the appropriate time supporting ship delivery and fielding. Advise PMS 385 on any actions needed to be taken to approve and assure certification accomplishment.

8.0 INTEGRATED LOGISTICS SUPPORT (ILS)

8.1 ILS Management

Provide services for performance of ILS Management, to include: maintenance planning, supply support, design interface, training and training support, facilities, technical data/publications, manpower and personnel, technical manuals, computer resources support, packing, handling storage & transportation, support & test equipment, Reliability Availability Maintainability (RAM) analysis, contract deliverables (DRL), configuration management, Government Furnished Equipment (GFE) management, Information management and ILS special studies. Assist in the development of Performance Based Logistics (PBL) and interim support solutions. Provide assistance in determining how PBL and interim support can be integrated with organic infrastructure. Develop criteria and estimates to support evaluation of supportability requirement to include Environment, Safety, and Occupational Health (ESOH) and Human Systems Integration (HSI) elements; participate in IPT meetings. Evaluate Contractors' support/supportability documentation and plans, and support design reviews.

8.2 Plans and Procedures

Develop and evaluate plans, procedures, and processes for certifications, Validation & Verification as they interrelate with ILS deliverables. Research industry designs and plans for Life-Cycle sustainment and provide recommendations to the Government to assist in determining cost, readiness and or supportability impact of concepts. Analyze Cost-benefit trade-off studies.

8.3 Changes

Analyze, report, and recommend changes to data and/or appropriate databases to maintain technical, logistic, and other life-cycle support data in configuration management systems' archive information.

8.4 Supply Support

Provide management and analysis of the Logistics Support Information (LSI), Allowance Equipment List (AEL), General Use Consumable List (GUCL) items and all Buy List (equivalent to COSAL) Reviews. Review all products related to supply support and assure configuration control of the baseline logistics products for installed equipments.

8.5 Manpower Personnel and Training/Human Systems Integration (MPI/HSI)

Track and support technical studies and analyses for Manpower Personnel and Training/Human Systems Integration (MPI/HSI). The overall support includes the preparation, coordination and execution of detailed Government and industry MPT/HSI studies, cost, risk, and other analyses, and participation in applicable Teams, Working Groups, and Advisory Groups, related to all

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 60 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

Programs. Assist the Government in addressing legal and policy issues related to manning as directed. Perform specific MPT/HSI-related technical studies and analysis as directed.

8.6 Configuration Management Plan

Provide configuration identification control status accounting and audits. Develop and update the Configuration Management Plan (CMP). Provide support to the PMS 385 Change Manager with respect to Change Boards from agenda development, Preliminary Control Board (PCB), Technical Systems Review (TSR), through Configuration Control Board (CCB), development of minutes, and final negotiation and contract modification, working closely with the Technical Director, Production Director, and SUPSHIP Bath.

8.7 Support the Change Implementation process

The Contractor will audit revisions to the contract documents. Maintain master records of all change documentation. Prepare and maintain Change Management (CM) status reports and financial summary documentation of changes for each sea frame awarded.

8.8 Integrated Data Environment (IDE)

Provide Data Management and Integrated Data Environment (IDE) Management support to the PMS 385 Manager for administering the procedures for managing the development, modification and maintenance of contracts. Develop and update the Data Management Plan (DMP). Provide technical data management support covering all phases of the Data Requirements List (DRL) and correspondence management. Prepare and maintain Data Management (DM) status reports. Distribute DRL submissions to cognizant Data Monitors for review, monitor overall DRL review cycle for data evaluations and maintain master records of all data management documentation electronically. Prepare DD Form 1423 DRL Packages in accordance with contract requirements. Provide the necessary support required to assist in the upkeep, maintenance services, help desk and IDE development required to maintain the Program's key IDE tools.

9.0 SOF Support

The MLP AFSB is designed and being built specifically in response to a CENTCOM Request for Forces (RFF) to provide dedicated platforms to conduct Airborne Mine-countermeasure Missions (AMCM) and Special Operations Force (SOF) missions in its area of responsibility (AOR). The SOF component requires an AFSB for planning and conducting Intelligence, Surveillance, and Reconnaissance (ISR) and Boat Assault Force (BAF) and Helicopter Assault Force (HAF) missions. The current AFSB design meets threshold SOF requirements but additional funding has been programmed in PB15 to increase the ship's capability to meet objective SOF requirements. To that end, SOF Space, Weight, and Service (S/W/S) reservations were included in the current design for communication, aviation, medical and logistics support items. The SOF backfit will incorporate additional SOF capability estimate to be approximately \$48M per ship. This tasking initiates the technical study necessary to complete the analysis necessary to achieve the objective SOF requirements.

CLAUSES INCORPORATED IN FULL TEXT

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 61 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

DATA REQUIREMENTS (NAVSEA)(SEP 1992)

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

ACCESS TO PROPRIETARY DATA OR COMPUTER SOFTWARE (NAVSEA) (JUN 1994)

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

(b) The Contractor agrees to: (1) indoctrinate its personnel who will have access to the data or software as to the restrictions under which access is granted; (2) not disclose the data or software to another party or other Contractor personnel except as authorized by the Contracting Officer; (3) not engage in any other action, venture, or employment wherein this information will be used, other than under this contract, in any manner inconsistent with the spirit and intent of this requirement; (4) not disclose the data or software to any other party, including, but not limited to, joint venturer, affiliate, successor, or assign of the Contractor; and (5) reproduce the restrictive stamp, marking, or legend on each use of the data or software whether in whole or in part.

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

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

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

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

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 62 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

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

- (a) The Contractor agrees to test for viruses all computer software and/or computer databases, as defined in the clause entitled "RIGHTS IN NONCOMMERCIAL COMPUTER SOFTWARE AND NONCOMMERCIAL COMPUTER SOFTWARE DOCUMENTATION" (DFARS 252.227-7014), before delivery of that computer software or computer database in whatever media and on whatever system the software is delivered. The Contractor warrants that any such computer software and/or computer database will be free of viruses when delivered.
- (b) The Contractor agrees to test any computer software and/or computer database(s) received from the Government for viruses prior to use under this contract.
- (c) Unless otherwise agreed in writing, any license agreement governing the use of any computer software to be delivered as a result of this contract must be paid-up and perpetual, or so nearly perpetual as to allow the use of the computer software or computer data base with the equipment for which it is obtained, or any replacement equipment, for so long as such equipment is used. Otherwise the computer software or computer database does not meet the minimum functional requirements of this contract. In the event that there is any routine to disable the computer software or computer database after the software is developed for or delivered to the Government, that routine shall not disable the computer software or computer database until at least twenty-five calendar years after the delivery date of the affected computer software or computer database to the Government.
- (d) No copy protection devices or systems shall be used in any computer software or computer database delivered under this contract to restrict or limit the Government from making copies. This does not prohibit license agreements from specifying the maximum amount of copies that can be made.
- (e) Delivery by the Contractor to the Government of certain technical data and other data is now frequently required in digital form rather than as hard copy. Such delivery may cause confusion between data rights and computer software rights. It is agreed that, to the extent that any such data is computer software by virtue of its delivery in digital form, the Government will be licensed to use that digital-form data with exactly the same rights and limitations as if the data had been delivered as hard copy.
- (f) Any limited rights legends or other allowed legends placed by a Contractor on technical data or other data delivered in digital form shall be digitally included on the same media as the digital-form data and must be associated with the corresponding digital-form technical data to which the legends apply to the extent possible. Such legends shall also be placed in human-readable form on a visible surface of the media carrying the digital-form data as delivered, to the extent possible.

NON-DISCLOSURE AGREEMENTS

Contractor personnel shall be provided a Statement of Non-disclosure of Information

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 63 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

(Attachment 3) which shall be completed and signed by each employee as a condition for each employee providing services under this Task Order. Completed Non-disclosure Statements shall be returned to the Contracting Officer's Representative (identified as the Task Order Manager in Section G) within fifteen working days after Task Order award or from the date of hire for new employees.

ORGANIZATIONAL CONFLICT OF INTEREST (NAVSEA) (JUL 2000)

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

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

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

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

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

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

(e) The Contractor further agrees that, during the performance of this contract and for a period of

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 64 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

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

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

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

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

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

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

(k) The Contractor shall promptly notify the Contracting Officer, in writing, if it has been tasked

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 65 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

to evaluate or advise the Government concerning its own products or activities or those of a competitor in order to ensure proper safeguards exist to guarantee objectivity and to protect the Government's interest.

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

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

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

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 66 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

SECTION D PACKAGING AND MARKING

APPLICABLE TO ALL ITEMS -There are no packaging or marking requirements for the services ordered under this Task Order. All requirements for packaging and marking of supplies or documents associated with the services shall be packaged, packed and marked in accordance with the provisions set forth below or as specified in the Technical Instructions.

DATA PACKAGING LANGUAGE

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

MARKING OF REPORTS (NAVSEA) (SEP 1990)

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

- (1) name and business address of the Contractor
- (2) contract number
- (3) task order number
- (4) whether the contract was competitively or non-competitively awarded
- (5) sponsor:

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 67 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

SECTION E INSPECTION AND ACCEPTANCE

CLAUSES INCORPORATED BY REFERENCE

52.246-3 Inspection Of Supplies Cost-Reimbursement MAY 2001

52.246-5 Inspection Of Services Cost-Reimbursement APR 1984

CLAUSES INCORPORATED IN FULL TEXT

INSPECTION AND ACCEPTANCE LANGUAGE FOR DATA

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

INSPECTION AND ACCEPTANCE LANGUAGE FOR LOE SERVICES

Item 4000, Option Items (if exercised) 4001, 4100, 4101, 7200, 7201, 7300, 7301, 7400 and 7401 -
Inspection and acceptance shall be made by the Contracting Officer's Representative (COR) or a designated representative of the Government. **Note that the COR is the TOM identified in Section G of this Task Order.*

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 68 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

SECTION F DELIVERABLES OR PERFORMANCE

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

4000	2/14/2012 - 9/30/2013
4001	2/14/2012 - 2/9/2014
4002	2/10/2012 - 2/9/2013
4100	2/14/2013 - 2/9/2014
4101	2/10/2013 - 2/9/2014
4102	2/10/2013 - 2/9/2014
6000	2/10/2012 - 9/30/2013
6100	2/14/2013 - 9/30/2013
7200	2/10/2014 - 2/9/2015
7201	2/10/2014 - 2/9/2015
7202	2/10/2014 - 2/9/2015
7300	2/10/2015 - 2/9/2016
7301	2/10/2015 - 2/9/2016
7302	2/10/2015 - 2/9/2016
7303	6/4/2015 - 6/3/2016
7400	2/10/2016 - 2/9/2017
7401	2/10/2016 - 2/9/2017
7402	2/10/2016 - 2/9/2017
7403	2/10/2016 - 2/9/2017
7500	2/10/2017 - 2/9/2018
7501	2/10/2017 - 2/9/2018
7502	2/10/2017 - 2/9/2018
7503	12/31/2016 - 12/30/2017
7504	2/10/2017 - 2/9/2018
7600	2/10/2018 - 2/9/2019
7601	2/10/2018 - 2/9/2019
7602	2/10/2018 - 2/9/2019
7603	2/10/2018 - 6/30/2018
7604	2/10/2018 - 6/30/2018
9200	2/10/2014 - 2/9/2015
9300	2/10/2015 - 2/9/2016
9400	2/10/2016 - 2/9/2017
9500	2/10/2017 - 2/9/2018
9503	12/31/2016 - 12/30/2017
9600	2/10/2018 - 2/9/2019
9603	2/10/2018 - 6/30/2018

PERFORMANCE LANGUAGE FOR LOE SERVICES

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 69 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

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

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

4000	2/14/2012 - 9/30/2013
4001	2/14/2012 - 2/9/2014
4002	2/10/2012 - 2/9/2013
4100	2/14/2013 - 2/9/2014
4101	2/10/2013 - 2/9/2014
4102	2/10/2013 - 2/9/2014
6000	2/10/2012 - 9/30/2013
6100	2/14/2013 - 9/30/2013
7200	2/10/2014 - 2/9/2015
7201	2/10/2014 - 2/9/2015
7202	2/10/2014 - 2/9/2015
7300	2/10/2015 - 2/9/2016
7301	2/10/2015 - 2/9/2016
7302	2/10/2015 - 2/9/2016
7303	6/4/2015 - 6/3/2016
7400	2/10/2016 - 2/9/2017
7401	2/10/2016 - 2/9/2017
7402	2/10/2016 - 2/9/2017
7403	2/10/2016 - 2/9/2017
7500	2/10/2017 - 2/9/2018
7501	2/10/2017 - 2/9/2018
7502	2/10/2017 - 2/9/2018
7503	12/31/2016 - 12/30/2017
7504	2/10/2017 - 2/9/2018
7600	2/10/2018 - 2/9/2019
7601	2/10/2018 - 2/9/2019
7602	2/10/2018 - 2/9/2019
7603	2/10/2018 - 6/30/2018
7604	2/10/2018 - 6/30/2018
9200	2/10/2014 - 2/9/2015
9300	2/10/2015 - 2/9/2016
9400	2/10/2016 - 2/9/2017
9500	2/10/2017 - 2/9/2018
9503	12/31/2016 - 12/30/2017
9600	2/10/2018 - 2/9/2019
9603	2/10/2018 - 6/30/2018

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 70 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

SLIN	MOD FUNDED	MOD EXTENDED	POP: START DATE	POP: END DATE	FUNDING
400001	MOD 00	MOD 11	2/10/2012	9/30/2013	FY12 O&M,N*
400002	MOD 01	MOD 08	2/10/2012	2/9/2013	FY12 NDSF R&D
400003	MOD 01	MOD 08	2/10/2012	2/9/2013	FY11 NDSF Proc
400004	MOD 01	MOD 11	4/16/2012	9/30/2013	FY11 RDT&E,N*
400005	MOD 01	MOD 10	4/16/2012	9/30/2013	FY12 NDSF OF
400006	MOD 01	MOD 08	2/10/2012	2/9/2013	FY11 NDSF Proc
400007	MOD 01	MOD 08	2/10/2012	2/9/2013	FY11 NDSF R&D
400008	MOD 01	MOD 10	4/16/2012	9/30/2013	FY12 RDT&E,N
400009	MOD 03	MOD 06	2/10/2012	9/28/2013	FY12 O&M,N*
400010	MOD 04	MOD 06	2/10/2012	9/28/2013	FY12 NDSF R&D
400011	MOD 05	MOD 11	2/10/2012	9/28/2013	FY12 NDSF R&D
400012	MOD 04	MOD 06	2/10/2012	9/28/2013	FY11 NDSF Proc
400013	MOD 06	N/A	2/10/2012	2/9/2013	FY11 NDSF R&D
400014	MOD 06	MOD 10	2/10/2012	9/30/2013	FY11 NDSF Proc
400015	MOD 06	MOD 09	2/10/2012	9/28/2013	FY12 O&M,N*
400016	MOD 06	MOD 09	2/10/2012	9/28/2013	FY12 O&M,N*
400017	MOD 06	MOD 09	2/10/2012	9/28/2013	FY11 RDT&E,N*
400018	MOD 09	N/A	2/10/2012	9/30/2013	FY13 NDSF OF
400019	MOD 10	N/A	12/1/2012	9/30/2013	FY11 NDSF Proc
400020	MOD 10	N/A	12/1/2012	9/30/2013	FY11 NDSF Proc
400101	MOD 04	N/A	2/10/2012	2/9/2013	FY11 NDSF R&D
400102	MOD 04	N/A	2/10/2012	2/9/2013	FY12 NDSF R&D
400103	MOD 04	MOD 10	2/10/2012	9/28/2013	FY11 LCS RDT&E
400104	MOD 04	MOD 10	2/10/2012	9/30/2013	FY12 LCS RDT&E
400105	MOD 06	MOD 09	2/10/2012	9/30/2013	FY12 FMS Admin
400106	MOD 06	MOD 10	2/10/2012	9/30/2013	FY12 LCS RDT&E
400107	MOD 08	MOD 09	2/10/2012	9/30/2013	FY95 NDSF R&D
400108	MOD 06	MOD 09	2/10/2012	9/28/2013	FY12 O&M,N
400109	MOD 10	N/A	10/1/2012	9/30/2013	FY12 NDSF R&D
400110	MOD 10	N/A	2/14/2013	9/30/2013	FY12 LCS RDT&E
400111	MOD 10	N/A	12/1/2012	9/30/2013	FY13 O&M,N
400112	MOD 11	MOD 12	2/14/2013	2/9/2014	FY11 NDSF Proc
400113	MOD 12	N/A	2/10/2012	2/9/2014	FY13 LCS RDT&E
400114	MOD 12	N/A	8/17/2012	2/9/2014	FY05 NDSF
400115	MOD 12	N/A	12/1/2012	2/9/2014	FY11 NDSF Proc
400116	MOD 12	N/A	6/1/2013	2/9/2014	FY13 O&M,N*
400117	MOD 12	N/A	6/1/2013	2/9/2014	FY11 NDSF Proc
400118	MOD 12	N/A	6/1/2013	2/9/2014	FY13 NDSF R&D
410001	MOD 09	MOD 10	2/10/2013	2/9/2014	FY13 NDSF OF
410002	MOD 11	MOD 12	2/14/2013	2/9/2014	FY11 NDSF Proc
410003	MOD 10	N/A	2/14/2013	9/30/2013	FY12 NDSF R&D

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 71 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

410004	MOD 10	N/A	2/14/2013	9/30/2013	FY11 NDSF Proc
410005	MOD 10	MOD 12	2/14/2013	2/9/2014	FY12 RDT&E,N
410006	MOD 10	N/A	2/14/2013	9/30/2013	FY13 O&M,N
410007	MOD 10	MOD 12	2/14/2013	2/9/2014	FY13 O&M,N
410008	MOD 10	MOD 12	2/14/2013	2/9/2014	FY13 O&M,N
410009	MOD 10	N/A	2/14/2013	9/30/2013	FY13 O&M,N
410010	MOD 11	MOD 12	2/14/2013	2/9/2014	FY13 NDSF PD
410011	MOD 11	MOD 12	2/14/2013	2/9/2014	FY12 NDSF Proc
410012	MOD 11	MOD 12	2/14/2013	2/9/2014	FY12 NDSF Proc
410013	MOD 12	N/A	2/10/2013	2/9/2014	FY08 NDSF
410014	MOD 12	N/A	2/10/2013	2/9/2014	FY13 NDSF R&D
410015	MOD 12	N/A	5/3/2013	2/9/2014	FY11 SEALIFT R&D
410016	MOD 12	N/A	5/3/2013	2/9/2014	FY12 SEALIFT R&D
410017	MOD 12	N/A	5/3/2013	2/9/2014	FY13 SEALIFT R&D
410018	MOD 12	N/A	2/10/2013	2/9/2014	FY11 NDSF Proc
410019	MOD 12	N/A	2/10/2013	2/9/2014	FY11 NDSF Proc
410020	MOD 12	N/A	2/10/2013	2/9/2014	FY13 RDT&E,N
410021	MOD 12	N/A	2/10/2013	2/9/2014	FY13 O&M,N*
410022	MOD 12	N/A	2/10/2013	2/9/2014	FY13 SCN (PD)
410023	MOD 12	N/A	2/10/2013	2/9/2014	FY13 SCN (PD)
410024	MOD 12	N/A	2/10/2013	2/9/2014	FY13 O&M,N*
410101	MOD 09	N/A	2/10/2013	2/9/2014	FY13 NDSF OF
410102	MOD 10	MOD 12	2/14/2013	2/9/2014	FY11 NDSF Proc
410103	MOD 12	N/A	2/10/2013	2/9/2014	FY11 NDSF Proc
410104	MOD 12	N/A	5/3/2013	2/9/2014	FY13 SEALIFT R&D
600001	MOD 00	MOD 10	2/10/2012	9/28/2013	FY12 O&M,N*
600002	MOD 01	MOD 09	2/10/2012	9/30/2013	FY12 NDSF OF
600003	MOD 01	MOD 09	2/10/2012	9/30/2013	FY11 NDSF R&D
600004	MOD 01	MOD 09	2/10/2012	9/30/2013	FY12 NDSF R&D
600005	MOD 01	MOD 09	2/10/2012	4/30/2013	FY12 O&M,N*
600006	MOD 01	MOD 09	2/10/2012	4/30/2013	FY12 O&M,N*
600007	MOD 04	MOD 06	2/10/2012	9/28/2013	FY12 NDSF R&D
600008	MOD 04	MOD 06	2/10/2012	9/28/2013	FY11 NDSF Proc
600009	MOD 04	MOD 06	2/10/2012	9/28/2013	FY11 NDSF R&D
600010	MOD 08	MOD 09	2/10/2012	9/30/2013	FY93 NDSF R&D
600011	MOD 08	MOD 09	2/10/2012	9/30/2013	FY11 NDSF R&D
600012	MOD 06	MOD 09	2/10/2012	9/28/2013	FY12 O&M,N*
610001	MOD 09	N/A	2/10/2013	2/9/2014	FY13 NDSF OF
610002	MOD 10	N/A	2/14/2013	9/30/2013	FY12 NDSF R&D
610003	MOD 10	N/A	2/14/2013	9/30/2013	FY11 NDSF Proc
610004	MOD 10	N/A	2/14/2013	9/30/2013	FY12 RDT&E, N
610005	MOD 10	N/A	2/14/2013	9/30/2013	FY13 O&M,N
610006	MOD 10	N/A	2/14/2013	9/30/2013	FY13 O&M,N
610007	MOD 10	N/A	2/14/2013	9/30/2013	FY13 O&M,N

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 72 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

610008	MOD 10	N/A	2/14/2013	9/30/2013	FY13 O&M,N
610009	MOD 11	N/A	2/14/2013	9/30/2013	FY13 NDSF PD
610010	MOD 12	N/A	2/10/2013	2/9/2014	FY13 LCS RDT&E
610011	MOD 12	N/A	2/10/2013	2/9/2014	FY11 NDSF Proc
610012	MOD 12	N/A	2/10/2013	2/9/2014	FY13 O&M,N*
610013	MOD 12	N/A	2/10/2013	2/9/2014	FY13 NDSF R&D
610014	MOD 12	N/A	2/10/2013	2/9/2014	FY13 SCN (PD)
610015	MOD 12	N/A	2/10/2013	2/9/2014	FY13 O&M,N*
610016	MOD 12	N/A	2/10/2013	2/9/2014	FY13 SCN (PD)
*2410(a) is invoked					

Note:

2410(a) authority is also invoked on the following SLINs in the modification noted below:

SLIN	Modification
730012	22
730040	22
730115	22
930006	22

CLAUSES INCORPORATED BY REFERENCE

52.242-15 Stop-Work Order AUG 1989

52.242-15 Alt I Stop-Work Order (Aug 1989) - Alternate I APR 1984

52.247-34 F.O.B. Destination NOV 1991

CLAUSES INCORPORATED IN FULL TEXT

DATA DELIVERY LANGUAGE FOR SERVICES ONLY PROCUREMENTS

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

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 73 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

SECTION G CONTRACT ADMINISTRATION DATA

CONTRACTOR CENTRAL REGISTRATION (CCR) - The contractor must be registered with the Contractor Central Registration (CCR) in order to be eligible for award. The Contractor must maintain registration throughout the period of performance. PAYMENT will not be made to the contractor if the Contractor's registration lapses.

252.232-7006 WIDE AREA WORKFLOW PAYMENT INSTRUCTIONS (MAY 2013)

(a) *Definitions.* As used in this clause—

“Department of Defense Activity Address Code (DoDAAC)” is a six position code that uniquely identifies a unit, activity, or organization.

“Document type” means the type of payment request or receiving report available for creation in Wide Area WorkFlow (WAWF).

“Local processing office (LPO)” is the office responsible for payment certification when payment certification is done external to the entitlement system.

(b) *Electronic invoicing.* The WAWF system is the method to electronically process vendor payment requests and receiving reports, as authorized by DFARS [252.232-7003](#), Electronic Submission of Payment Requests and Receiving Reports.

(c) *WAWF access.* To access WAWF, the Contractor shall—

(1) Have a designated electronic business point of contact in the System for Award Management at <https://www.acquisition.gov>; and

(2) Be registered to use WAWF at <https://wawf.eb.mil/> following the step-by-step procedures for self-registration available at this web site.

(d) *WAWF training.* The Contractor should follow the training instructions of the WAWF Web-Based Training Course and use the Practice Training Site before submitting payment requests through WAWF. Both can be accessed by selecting the “Web Based Training” link on the WAWF home page at <https://wawf.eb.mil/>

(e) *WAWF methods of document submission.* Document submissions may be via web entry, Electronic Data Interchange, or File Transfer Protocol.

(f) *WAWF payment instructions.* The Contractor must use the following information when submitting payment requests and receiving reports in WAWF for this contract/order:

(1) *Document type.* The Contractor shall use the following document type(s).

Cost Voucher

(2) *Inspection/acceptance location.* The Contractor shall select the following inspection/acceptance location(s) in WAWF, as specified by the contracting officer.

Not Applicable

(3) *Document routing.* The Contractor shall use the information in the Routing Data Table below only to

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 74 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

fill in applicable fields in WAWF when creating payment requests and receiving reports in the system.

Routing Data Table*

<i>Field Name in WAWF</i>	<i>Data to be entered in WAWF</i>
Pay Official DoDAAC	HQ0338
Issue By DoDAAC	N00024
Admin DoDAAC	S2101A
Inspect By DoDAAC	N00024
Ship To Code	N00024
Ship From Code	N/A
Mark For Code	N/A
Service Approver (DoDAAC)	N00024
Service Acceptor (DoDAAC)	N00024
Accept at Other DoDAAC	N/A
LPO DoDAAC	N/A
DCAA Auditor DoDAAC	HAA471
Other DoDAAC(s)	N/A

(4) *Payment request and supporting documentation.* The Contractor shall ensure a payment request includes appropriate contract line item and subline item descriptions of the work performed or supplies delivered, unit price/cost per unit, fee (if applicable), and all relevant back-up documentation, as defined in DFARS Appendix F, (e.g. timesheets) in support of each payment request.

(5) *WAWF email notifications.* The Contractor shall enter the e-mail address identified below in the “Send Additional Email Notifications” field of WAWF once a document is submitted in the system.

(g) *WAWF point of contact.*

(1) The Contractor may obtain clarification regarding invoicing in WAWF from the following contracting activity’s WAWF point of contact.

(2) For technical WAWF help, contact the WAWF helpdesk at.

c) Clause “SUPPLEMENTAL INSTRUCTIONS REGARDING ELECTRONIC INVOICING (NAVSEA) (SEP 2012)” is hereby incorporated as follows:

SUPPLEMENTAL INSTRUCTIONS REGARDING ELECTRONIC INVOICING (NAVSEA) (SEP 2012)

(a) The Contractor agrees to segregate costs incurred under this contract/task order (TO), as applicable, at the lowest level of performance, either at the technical instruction (TI), sub line item number (SLIN), or contract line item number (CLIN) level, rather than on a total contract/TO basis, and to submit

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 75 of 139	FINAL
----------------------------------	---	----------------------------------	-------------------	-------

invoices reflecting costs incurred at that level. Supporting documentation in Wide Area Workflow (WAWF) for invoices shall include summaries of work charged during the period covered as well as overall cumulative summaries by individual labor categories, rates, and hours (both straight time and overtime) invoiced; as well as, a cost breakdown of other direct costs (ODCs), materials, and travel, by TI, SLIN, or CLIN level. For other than firm fixed price subcontractors, subcontractors are also required to provide labor categories, rates, and hours (both straight time and overtime) invoiced; as well as, a cost breakdown of ODCs, materials, and travel invoiced. Supporting documentation may be encrypted before submission to the prime contractor for WAWF invoice submittal. Subcontractors may email encryption code information directly to the Contracting Officer (CO) and Contracting Officer Representative (COR). Should the subcontractor lack encryption capability, the subcontractor may also email detailed supporting cost information directly to the CO and COR; or other method as agreed to by the CO.

(b) Contractors submitting payment requests and receiving reports to WAWF using either Electronic Data Interchange (EDI) or Secure File Transfer Protocol (SFTP) shall separately send an email notification to the COR and CO on the same date they submit the invoice in WAWF. No payments shall be due if the contractor does not provide the COR and CO email notification as required herein.

POINTS OF CONTACT - The Government points of contact for this Task Order are as follows:

OMBUDSMAN (NAVSEA AND OVERARCHING)

PROCURING CONTRACTING OFFICER (PCO)

PURCHASE OFFICE REPRESENTATIVE (POR)

TASK ORDER MANAGER (TOM)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 125 of 139	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

The Government reserves the right to unilaterally change the points of contact at anytime.

TYPE OF ORDER

This Task Order is a Cost-Plus-Incentive-Fee (CPIF) type with Award Fee. The contractor shall devote the specified level of effort for the time period(s) stated in Sections F and H, as applicable.

Modification Funding:

Please note that legacy funding is provided by Financial Accounting Data Sheets, provided in Attachments to Section J, for:

Modification 26, SLIN 730042 in the amount of

Modification 28, SLIN 740184 in the amount of

Accounting Data

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 126 of 139	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

SECTION H SPECIAL CONTRACT REQUIREMENTS

NAVSEA 5252.232-9104 ALLOTMENT OF FUNDS (JAN 2008)*(Applicable to CLINs 4000 and 6000, Option CLINs (if exercised) 4001, 4100, 4101, 4200, 4201, 4300, 4301, 4400, 4401, 6100, 6200, 6300, and 6400).*

(a) This contract is incrementally funded with respect to both cost and fee. The amount(s) presently available and allotted to this contract for payment of fee for incrementally funded contract line item number/contract subline item number (CLIN/SLIN), subject to the clause entitled "FIXED FEE" (FAR 52.216-8) or "INCENTIVE FEE" (FAR 52.216-10), as appropriate, is specified below. The amount(s) presently available and allotted to this contract for payment of cost for incrementally funded CLINs/SLINs is set forth below. As provided in the clause of this contract entitled "LIMITATION OF FUNDS" (FAR 52.232-22), the CLINs/SLINs covered thereby, and the period of performance for which it is estimated the allotted amount(s) will cover are as follows:

CPFF/CPIF/ODC			
ITEM	ALLOTED TO COST	ALLOTED TO FEE	EST. POP THROUGH
6000			
7200			
7201			
7300			
7301			
7303			
7400			
7401			
7403			
7500			
7501			
7503			
7504			
7600			
7601			
9200			
9300			
9400			
9500			
9503			

CPAF

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 127 of 139	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

ITEM	EST.COST	BASE FEE	AWARD FEE	EST. POP THROUGH
7202				
7302				
7402				
7502				

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

(c) CLINs/SLINs 4000, 4001, 4100, 4101, 6100, 7603, 7604, 9600, 9603 are fully funded and performance under these CLINs/SLINs is subject to the clause of this contract entitled "LIMITATION OF COST" (FAR 52.232-20).

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

NAVSEA 5252.216-9122 LEVEL OF EFFORT (ALTERNATE 1) (May 2010)

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

(b) Of the total man-hours of direct labor set forth above, it is estimated that man-hours are uncompensated effort.

Uncompensated effort is defined as hours provided by personnel in excess of 40 hours per week without additional compensation for such excess work. All other effort is defined as compensated effort. If no effort is indicated in the first sentence of this paragraph, uncompensated effort performed by the Contractor shall not be counted in fulfillment of the level of effort obligations under this contract.

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

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 128 of 139	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

(d) The level of effort for this contract shall be expended at an average rate of approximately hours per week. It is understood and agreed that the rate of man-hours per month may fluctuate in pursuit of the technical objective, provided such fluctuation does not result in the use of the total man-hours of effort prior to the expiration of the term hereof, except as provided in the following paragraph.

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

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

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

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

(i) Unless the Contracting Officer determines that alternative worksite arrangements are detrimental to contract performance, the Contractor may perform up to 10% of the hours at an alternative worksite, provided the Contractor has a company-approved alternative worksite plan. The primary worksite is the traditional "main office" worksite. An alternative worksite means an employee's

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 129 of 139	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

residence or a telecommuting center. A telecommuting center is a geographically convenient office setting as an alternative to an employee's main office. The Government reserves the right to review the Contractor's alternative worksite plan. In the event performance becomes unacceptable, the Contractor will be prohibited from counting the hours performed at the alternative worksite in fulfilling the total level of effort obligations of the contract. Regardless of work location, all contract terms and conditions, including security requirements and labor laws, remain in effect. The Government shall not incur any additional cost nor provide additional equipment for contract performance as a result of the Contractor's election to implement an alternative worksite plan.

(j) Notwithstanding any of the provisions in the above paragraphs and subject to the LIMITATION OF FUNDS or LIMITATION OF COST clauses, as applicable, the period of performance may be extended and the estimated cost may be increased in order to permit the Contractor to provide all of the man-hours listed in paragraph (a) above. The contractor shall continue to be paid fee for each man-hour performed in accordance with the terms of the contract.

NAVSEA 5252.242-9115 TECHNICAL INSTRUCTIONS (APR 1999)

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

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

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

(b) Technical instructions must be within the general scope of work stated in the contract. Technical instructions may not be used to: (1) assign additional work under the contract; (2) direct a change as defined in the "CHANGES" clause of this contract; (3) increase or decrease the contract price or estimated contract amount (including fee), as applicable, the level of effort, or the time required for contract performance; or (4) change any of the terms, conditions or specifications of the contract.

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

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

5252.202-9101 ADDITIONAL DEFINITIONS (MAY 1993)

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

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 130 of 139	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

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

5252.237-9106 SUBSTITUTION OF PERSONNEL (SEP 1990)

- (a) The Contractor agrees that a partial basis for award of this contract is the list of key personnel proposed. Accordingly, the Contractor agrees to assign to this contract those key persons whose resumes were submitted with the proposal necessary to fulfill the requirements of the contract. No substitution shall be made without prior notification to and concurrence of the Contracting Officer in accordance with this requirement.
- (b) All proposed substitutes shall have qualifications equal to or higher than the qualifications of the person to be replaced. The Contracting Officer shall be notified in writing of any proposed substitution at least forty-five (45) days, or ninety (90) days if a security clearance is to be obtained, in advance of the proposed substitution. Such notification shall include: (1) an explanation of the circumstances necessitating the substitution; (2) a complete resume of the proposed substitute; and (3) any other information requested by the Contracting Officer to enable him/her to judge whether or not the Contractor is maintaining the same high quality of personnel that provided the partial basis for award.

5252.249-9105 AWARD FEE DETERMINATION IN EVENT OF TERMINATION OR DISCONTINUANCE (CA) (JAN 1990)

In the event that this Task Order is terminated in whole or pursuant to the contract clause entitled "TERMINATION (COST REIMBURSEMENT)"

(FAR 52.249-6) or in the event this Task Order is discontinued pursuant to the contract clause entitled "LIMITATION OF COST" (FAR 52.232-20), the last award fee period shall end with the effective date of such termination or discontinuance. In either of such events, the amount of award fee, if any, determined to be otherwise payable shall be adjusted or prorated to reflect the difference, if any, in award fee periods resulting from termination or discontinuance.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 131 of 139	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

SECTION I CONTRACT CLAUSES

CLAUSES INCORPORATED BY REFERENCE

All clauses incorporated by reference in the basic IDIQ contract apply to this Task Order, as applicable.

Note: Regarding 52.244-2 -- SUBCONTRACTS (JUNE 2007) - ALTERNATE I (JUNE 2007), teaming arrangement with any firm not included in the Contractor's basic IDIQ contract must be submitted to the basic MAC Contracting Officer for approval prior to proposal submission. Team member (subcontract) additions after Task Order award must be approved by the Task Order Contracting Officer.

CLAUSES INCORPORATED BY FULL TEXT

FAR 52.216-1 TYPE OF CONTRACT (APR 1984)

The Government contemplates award of a cost reimbursement Task Order resulting from this solicitation.

52.216-10 INCENTIVE FEE (MAR 1997)

(Cost Incentive Fee applicable to Labor CLIN 4000, Option CLINs (if and to the extent exercised) 4100, 7200, 7300, and 7400.)

(a) General. The Government shall pay the Contractor for performing this contract a fee determined as provided in this contract.

(b) Target cost and target fee. The target cost and target fee specified in the Schedule are subject to adjustment if the contract is modified in accordance with paragraph (d) of this clause.

(1) "Target cost," as used in this contract, means the estimated cost of this contract as initially

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 132 of 139	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

negotiated, adjusted in accordance with paragraph (d) of this clause.

(2) “Target fee,” as used in this contract, means the fee initially negotiated on the assumption that this contract would be performed for a cost equal to the estimated cost initially negotiated, adjusted in accordance with paragraph (d) of this clause.

(c) Withholding of payment. Normally, the Government shall pay the fee to the Contractor as specified in the Schedule. However, when the Contracting Officer considers that performance or cost indicates that the Contractor will not achieve target, the Government shall pay on the basis of an appropriate lesser fee. When the Contractor demonstrates that performance or cost clearly indicates that the Contractor will earn a fee significantly above the target fee, the Government may, at the sole discretion of the Contracting Officer, pay on the basis of an appropriate higher fee. After payment of 85 percent of the applicable fee, the Contracting Officer may withhold further payment of fee until a reserve is set aside in an amount that the Contracting Officer considers necessary to protect the Government’s interest. This reserve shall not exceed 15 percent of the applicable fee or \$100,000, whichever is less. The Contracting Officer shall release 75 percent of all fee withholds under this contract after receipt of the certified final indirect cost rate proposal covering the year of physical completion of this contract, provided the Contractor has satisfied all other contract terms and conditions, including the submission of the final patent and royalty reports, and is not delinquent in submitting final vouchers on prior years’ settlements. The Contracting Officer may release up to 90 percent of the fee withholds under this contract based on the Contractor’s past performance related to the submission and settlement of final indirect cost rate proposals.

(d) Equitable adjustments. When the work under this contract is increased or decreased by a modification to this contract or when any equitable adjustment in the target cost is authorized under any other clause, equitable adjustments in the target cost, target fee, minimum fee, and maximum fee, as appropriate, shall be stated in a supplemental agreement to this contract.

(e) Fee payable.

(1) The fee payable under this contract shall be the target fee increased by every dollar that the total allowable cost is less than the target cost or decreased by for every dollar that the total allowable cost exceeds the target cost. In no event shall the fee be greater than -hundredths or less than percent of the target cost.

(2) The fee shall be subject to adjustment, to the extent provided in paragraph (d) of this clause, and within the minimum and maximum fee limitations in paragraph (e)(1) of this clause, when the total allowable cost is increased or decreased as a consequence of—

- (i) Payments made under assignments; or
- (ii) Claims excepted from the release as required by paragraph (h)(2) of the Allowable Cost and Payment clause.

(3) If this contract is terminated in its entirety, the portion of the target fee payable shall not be subject to an increase or decrease as provided in this paragraph. The termination shall be accomplished in accordance with other applicable clauses of this contract.

(4) For the purpose of fee adjustment, “total allowable cost” shall not include allowable costs

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 133 of 139	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

arising out of—

(i) Any of the causes covered by the Excusable Delays clause to the extent that they are beyond the control and without the fault or negligence of the Contractor or any subcontractor;

(ii) The taking effect, after negotiating the target cost, of a statute, court decision, written ruling, or regulation that results in the Contractor's being required to pay or bear the burden of any tax or duty or rate increase in a tax or duty;

(iii) Any direct cost attributed to the Contractor's involvement in litigation as required by the Contracting Officer pursuant to a clause of this contract, including furnishing evidence and information requested pursuant to the Notice and Assistance Regarding Patent and Copyright Infringement clause;

(iv) The purchase and maintenance of additional insurance not in the target cost and required by the Contracting Officer, or claims for reimbursement for liabilities to third persons pursuant to the Insurance Liability to Third Persons clause;

(v) Any claim, loss, or damage resulting from a risk for which the Contractor has been relieved of liability by the Government Property clause; or

(vi) Any claim, loss, or damage resulting from a risk defined in the contract as unusually hazardous or as a nuclear risk and against which the Government has expressly agreed to indemnify the Contractor.

(5) All other allowable costs are included in "total allowable cost" for fee adjustment in accordance with this paragraph (e), unless otherwise specifically provided in this contract.

(f) Contract modification. The total allowable cost and the adjusted fee determined as provided in this clause shall be evidenced by a modification to this contract signed by the Contractor and Contracting Officer.

(g) Inconsistencies. In the event of any language inconsistencies between this clause and provisioning documents or Government options under this contract, compensation for spare parts or other supplies and services ordered under such documents shall be determined in accordance with this clause.

**FAR 52.217-9 OPTION TO EXTEND THE TERM OF THE CONTRACT (MAR 2000)
(NAVSEA VARIATION) (SEP 2009)**

Note: The Government has the right within the time constraints stated below to fully exercise each of the below Option CLINs for the full level of effort stated in Section B or to partially exercise each of the below Option CLINs for less than the full level of effort stated in Section B and may exercise the Option for each CLIN multiple times until the entire level of effort for that CLIN is awarded.

Item	Latest Option Exercise Date
4001	No later than 12 mos after TO award
4002	No later than 12 mos after TO award
4100	No later than 24 mos after TO award
4101	No later than 24 mos after TO award
4102	No later than 24 mos after TO award
6001	No later than 12 mos after TO award
7200	No later than 36 mos after TO award

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 134 of 139	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

7201 No later than 36 mos after TO award
 7202 No later than 36 mos after TO award
 7300 No later than 48 mos after TO award
 7301 No later than 48 mos after TO award
 7302 No later than 48 mos after TO award
 7400 No later than 60 mos after TO award
 7401 No later than 60 mos after TO award
 7402 No later than 60 mos after TO award
 7500 9 February 2018

 7501 9 February 2018

 7502 9 February 2018

 9200 No later than 36 mos after TO award
 9300 No later than 48 mos after TO award
 9400 No later than 60 mos after TO award
 9500 9 February 2018



(b) If the Government exercises this option, the extended delivery order shall be considered to include this option clause.

52.204-9 -- Personal Identity Verification of Contractor Personnel (Sep 2007).

(a) The Contractor shall comply with agency personal identity verification procedures identified in the contract that implement Homeland Security Presidential Directive-12 (HSPD-12), Office of Management and Budget (OMB) guidance M-05-24, and Federal Information Processing Standards Publication (FIPS PUB) Number 201.

(b) The Contractor shall insert this clause in all subcontracts when the subcontractor is required to have routine physical access to a Federally-controlled facility and/or routine access to a Federally-controlled information system.

52.203-16 Preventing Personal Conflicts of Interest (2011)

(a) *Definitions.* As used in this clause—

Acquisition function closely associated with inherently governmental functions means supporting or providing advice or recommendations with regard to the following activities of a Federal agency:

- (1) Planning acquisitions.
- (2) Determining what supplies or services are to be acquired by the Government, including developing statements of work.
- (3) Developing or approving any contractual documents, to include documents defining requirements, incentive plans, and evaluation criteria.

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 135 of 139	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

(4) Evaluating contract proposals.

(5) Awarding Government contracts.

(6) Administering contracts (including ordering changes or giving technical direction in contract performance or contract quantities, evaluating contractor performance, and accepting or rejecting contractor products or services).

(7) Terminating contracts.

(8) Determining whether contract costs are reasonable, allocable, and allowable.

Covered employee means an individual who performs an acquisition function closely associated with inherently governmental functions and is—

(1) An employee of the contractor; or

(2) A subcontractor that is a self-employed individual treated as a covered employee of the contractor because there is no employer to whom such an individual could submit the required disclosures.

Non-public information means any Government or third-party information that—

(1) Is exempt from disclosure under the Freedom of Information Act (5 U.S.C. 552) or otherwise protected from disclosure by statute, Executive order, or regulation; or

(2) Has not been disseminated to the general public and the Government has not yet determined whether the information can or will be made available to the public.

Personal conflict of interest means a situation in which a covered employee has a financial interest, personal activity, or relationship that could impair the employee's ability to act impartially and in the best interest of the Government when performing under the contract. (A *de minimis* interest that would not “impair the employee's ability to act impartially and in the best interest of the Government” is not covered under this definition.)

(1) Among the sources of personal conflicts of interest are—

(i) Financial interests of the covered employee, of close family members, or of other members of the covered employee's household;

(ii) Other employment or financial relationships (including seeking or negotiating for prospective employment or business); and

(iii) Gifts, including travel.

(2) For example, financial interests referred to in paragraph (1) of this definition may arise from—

(i) Compensation, including wages, salaries, commissions, professional fees, or fees for business referrals;

(ii) Consulting relationships (including commercial and professional consulting and service

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 136 of 139	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

arrangements, scientific and technical advisory board memberships, or serving as an expert witness in litigation);

(iii) Services provided in exchange for honorariums or travel expense reimbursements;

(iv) Research funding or other forms of research support;

(v) Investment in the form of stock or bond ownership or partnership interest (excluding diversified mutual fund investments);

(vi) Real estate investments;

(vii) Patents, copyrights, and other intellectual property interests; or

(viii) Business ownership and investment interests.

(b) *Requirements.* The Contractor shall—

(1) Have procedures in place to screen covered employees for potential personal conflicts of interest, by—

(i) Obtaining and maintaining from each covered employee, when the employee is initially assigned to the task under the contract, a disclosure of interests that might be affected by the task to which the employee has been assigned, as follows:

(A) Financial interests of the covered employee, of close family members, or of other members of the covered employee's household.

(B) Other employment or financial relationships of the covered employee (including seeking or negotiating for prospective employment or business).

(C) Gifts, including travel; and

(ii) Requiring each covered employee to update the disclosure statement whenever the employee's personal or financial circumstances change in such a way that a new personal conflict of interest might occur because of the task the covered employee is performing.

(2) For each covered employee—

(i) Prevent personal conflicts of interest, including not assigning or allowing a covered employee to perform any task under the contract for which the Contractor has identified a personal conflict of interest for the employee that the Contractor or employee cannot satisfactorily prevent or mitigate in consultation with the contracting agency;

(ii) Prohibit use of non-public information accessed through performance of a Government contract for personal gain; and

(iii) Obtain a signed non-disclosure agreement to prohibit disclosure of non-public information accessed through performance of a Government contract.

(3) Inform covered employees of their obligation—

(i) To disclose and prevent personal conflicts of interest;

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 137 of 139	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

(ii) Not to use non-public information accessed through performance of a Government contract for personal gain; and

(iii) To avoid even the appearance of personal conflicts of interest;

(4) Maintain effective oversight to verify compliance with personal conflict-of-interest safeguards;

(5) Take appropriate disciplinary action in the case of covered employees who fail to comply with policies established pursuant to this clause; and

(6) Report to the Contracting Officer any personal conflict-of-interest violation by a covered employee as soon as it is identified. This report shall include a description of the violation and the proposed actions to be taken by the Contractor in response to the violation. Provide follow-up reports of corrective actions taken, as necessary. Personal conflict-of-interest violations include—

(i) Failure by a covered employee to disclose a personal conflict of interest;

(ii) Use by a covered employee of non-public information accessed through performance of a Government contract for personal gain; and

(iii) Failure of a covered employee to comply with the terms of a non-disclosure agreement.

(c) *Mitigation or waiver.* (1) In exceptional circumstances, if the Contractor cannot satisfactorily prevent a personal conflict of interest as required by paragraph (b)(2)(i) of this clause, the Contractor may submit a request through the Contracting Officer to the Head of the Contracting Activity for—

(i) Agreement to a plan to mitigate the personal conflict of interest; or

(ii) A waiver of the requirement.

(2) The Contractor shall include in the request any proposed mitigation of the personal conflict of interest.

(3) The Contractor shall—

(i) Comply, and require compliance by the covered employee, with any conditions imposed by the Government as necessary to mitigate the personal conflict of interest; or

(ii) Remove the Contractor employee or subcontractor employee from performance of the contract or terminate the applicable subcontract.

(d) *Subcontract flowdown.* The Contractor shall include the substance of this clause, including this paragraph (d), in subcontracts—

(1) That exceed \$150,000; and

(2) In which subcontractor employees will perform acquisition functions closely associated with inherently governmental functions (*i.e.*, instead of performance only by a self-employed individual).

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 138 of 139	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

(End of clause)

CONTRACT NO. N00178-04-D-4030	DELIVERY ORDER NO. N00178-04-D-4030-EH06	AMENDMENT/MODIFICATION NO. 48	PAGE 139 of 139	FINAL
----------------------------------	---	----------------------------------	--------------------	-------

SECTION J LIST OF ATTACHMENTS

Exhibit A Contract Data Requirements Lists (CDRLs) DD Form 1423

Attachment 1 - DD Form 254 (June 2012)

Attachment 2 - Non-Disclosure Agreement

Attachment 3 - Quality Assurance Surveillance Plan

Attachment 4 - Performance Report

Attachment 5 - Contract Discrepancy Report

Attachment 6 – Revised DD Form 254 (March 2013)

Attachment 7 – Financial Accounting Data Sheets for Mod 8 in the amount of \$98,799 (NDSF)

Attachment 8 - Financial Accounting Data Sheets for Mod 18 in the amount of \$330,000 (NDSF)

Attachment 9 - Financial Accounting Data Sheet for Mod 26 in the amount of \$640,271 (SCN). Please note that the FAD sheet states Mod 20 but is actually the FAD sheet for Mod 26.

Attachment 10 - Financial Accounting Data Sheet for Mod 28 in the amount of \$432,000 (NDSF).

Attachment 11 - Financial Accounting Data Sheet for Mod 30, SLIN 410213 in the amount of \$1,792 (NDSF)

Attachment 12 - Financial Accounting Data Sheet for Mod 35 in the amount of \$142,500 (NDSF)

Attachment 13 - Financial Accounting Data Sheet for Mod 36, SLINs 720202, 720204 and 750108 in the amount of \$192,464.

Attachment 14, Financial Accounting Data Sheet for Mod 37, SLINs 750108, 750113, 720203 and 730261 in the amount of \$72,591.