

## DELIVERY ORDER

FINAL

1. CONTRACT NO. <b>N00024-01-D-7026</b>		2. DELIVERY ORDER NO. <b>0005</b>		3. EFFECTIVE DATE <b>5/28/02</b>		4. PURCH REQUEST NO. <b>N00024-02-NR-00085</b>					
5. ISSUED BY Naval Sea Systems Command (NAVSEA) Andrea M. Terry / SEA 02551T BUILDING 197, ROOM 5W-1759      terryam@navsea.navy.mil 1333 ISAAC HULL AVENUE SE WASHINGTON NAVY YARD, DC 20376-2040      (202)781-3851				6. ADMINISTERED BY (if other than 6)      CODE DCMC Baltimore - Manassas 10500 Battleview Parkway, Suite 200 Manassas, VA 22100							
7. CONTRACTOR Northrop Grumman Info Tech Defense Mission Sys Div 12005 Sunrise Valley Drive Reston, VA 20191 TIN: 95-2126773				8. DELIVERY DATE <b>See Section F</b>		9. CLOSING DATE/TIME					
11. SHIP TO <b>See Section D</b>				12. PAYMENT WILL BE MADE BY      CODE DFAS Columbus Center, South Entitlement Operations P.O. Box 182264 Columbus, OH 43213							
13. TYPE OF ORDER <b>D</b> <b>X</b>		This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.									
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.											
Northrop Grumman Info Tech Defense Mission Sys NAME OF CONTRACTOR      SIGNATURE      TYPED NAME AND TITLE      DATE SIGNED											
14. ACCOUNTING AND APPROPRIATION DATA <b>See Section G</b>											
15. ITEM NO.		16. SCHEDULE OF SUPPLIES/SERVICES		17. QUANTITY ORDERED/ACCEPTED*		18. UNIT		19. UNIT PRICE		20. AMOUNT	
		<b>See The Following Pages</b>									
*If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.				21. UNITED STATES OF AMERICA BY: <b>Claire M. Grady</b> 5/28/02 CONTRACTING/ORDERING OFFICER				22. TOTAL <b>[REDACTED]</b>			

CONTRACT NO.	DELIVERY ORDER NO.	PAGE
N00024-01-D-7026	0005	2 OF 40

## SECTION B SUPPLIES OR SERVICES AND PRICES

CLIN - SUPPLIES OR SERVICES

For CPFF Items:

Item	Supplies/Services Qty	Unit Est. Cost	Fixed Fee	CPFF
0001	PMS422 Support			
0001AA	Systems Engineering and Program Office Support (RDT&E)			
0001AB	Systems Engineering and Program Office Support (WPN)			
0001AC	Systems Engineering and Program Office Support (SCN) Option			
0001AG	RDT&E Programs Support (RDT&E)			
0001AH	RDT&E Programs Support (RDT&E)			
0001AN	SM and VLS Production Support (WPN)			
0001AP	SM and VLS Production Support (SCN) Option			
0001AQ	SM and VLS Production Support (WPN) Option			
0001AU	FMS Programs Support. Effort benefiting other customers, including the United States Navy, may not be charged to this item. Only work unique to FMS Case JA-P-GZL may be charged to this item. For performance of SOW task 4. (FMS Case #JA-P-G			

CONTRACT NO.	DELIVERY ORDER NO.	PAGE
N00024-01-D-7026	0005	3 OF 40

ZL)  
Option

0001BA Option 1 -  
Systems  
Engineering and  
Program Office  
Support (TBD)  
Option

0001BG Option 1 - RDT&E  
Programs Support  
(TBD)  
Option

0001BN Option 1 - SM and  
VLS Production  
Support (TBD)  
Option

0001BU Option 1 - FMS  
Programs Support  
(FMS Case #TBD)  
Option

0001CA Option 2 -  
Systems  
Engineering and  
Program Office  
Support (TBD)  
Option

0001CG Option 2 - RDT&E  
Programs Support  
(TBD)  
Option

0001CN Option 2 - SM and  
VLS Production  
Support (TBD)  
Option

0001CU Option 2 - FMS  
Programs Support  
(FMS Case #TBD)  
Option

0001DA Option 3 -  
Systems  
Engineering and  
Program Office  
Support (TBD)  
Option

0001DG Option 3 - RDT&E  
Programs Support  
(TBD)  
Option

0001DN Option 3 - SM and  
VLS Production  
Support (TBD)  
Option

CONTRACT NO.	DELIVERY ORDER NO.	PAGE
N00024-01-D-7026	0005	4 OF 40

0001DU Option 3 - FMS  
Programs Support  
(FMS Case #TBD)  
Option

0004 PMS422 Support

0004AA Option 4 -  
Systems  
Engineering and  
Program Office  
Support (TBD)  
Option

0004AG Option 4 - RDT&E  
Programs Support  
(TBD)  
Option

0004AN Option 4 - SM and  
VLS Production  
Support (TBD)  
Option

0004AU Option 4 - FMS  
Programs Support  
(FMS Case #TBD)  
Option

0004BA Award Term 1 -  
Systems  
Engineering and  
Program Office  
Support (TBD)  
Option

0004BG Award Term 1 -  
RDT&E Programs  
Support (TBD)  
Option

0004BN Award Term 1 - SM  
and VLS  
Production  
Support (TBD)  
Option

0004BU Award Term 1 -  
FMS Programs  
Support  
(FMS Case #TBD)  
Option

0004CA Award Term 2 -  
Systems  
Engineering and  
Program Office  
Support (TBD)  
Option

0004CG Award Term 2 -  
RDT&E Programs

CONTRACT NO.	DELIVERY ORDER NO.	PAGE
N00024-01-D-7026	0005	5 OF 40

Support (TBD)  
Option

0004CN Award Term 2 - SM  
and VLS  
Production  
Support (TBD)  
Option

0004CU Award Term 2 -  
FMS Programs  
Support  
(FMS Case #TBD)  
Option

0004DA Award Term 3 -  
Systems  
Engineering and  
Program Office  
Support (TBD)  
Option

0004DG Award Term 3 -  
RDT&E Programs  
Support (TBD)  
Option

0004DN Award Term 3 - SM  
and VLS  
Production  
Support (TBD)  
Option

0004DU Award Term 3 -  
FMS Programs  
Support  
(FMS Case #TBD)  
Option

0004EA Award Term 4 -  
Systems  
Engineering and  
Program Office  
Support (TBD)  
Option

0004EG Award Term 4 -  
RDT&E Programs  
Support (TBD)  
Option

0004EN Award Term 4 - SM  
and VLS  
Production  
Support (TBD)  
Option

0004EU Award Term 4 -  
FMS Programs  
Support  
(FMS Case #TBD)  
Option

CONTRACT NO.	DELIVERY ORDER NO.	PAGE
N00024-01-D-7026	0005	6 OF 40

0007 PMS 422 Support

0007AA Award Term 5 -  
Systems  
Engineering and  
Program Office  
Support (TBD)  
Option

0007AG Award Term 5 -  
RDT&E Programs  
Support (TBD)  
Option

0007AN Award Term 5 - SM  
and VLS  
Production  
Support (TBD)  
Option

0007AU Award Term 5 -  
FMS Programs  
Support  
(FMS Case #TBD)  
Option

For ODC Items:

Item	Supplies/Services Qty	Unit Est. Cost
0003		
0003AA Other Direct Costs in support of Item 0001AA (RDT&E)	1.0 Lot	
0003AB Other Direct Costs in support of Item 0001AB (WPN)	1.0 Lot	
0003AC Other Direct Costs in support of Item 0001AC (SCN) Option	1.0 Lot	
0003AG Other Direct Costs in support of Item 0001AG (RDT&E)	1.0 Lot	
0003AN Other Direct Costs in support of Item 0001AN (WPN)	1.0 Lot	
0003AP Other Direct Costs in support of Item 0001AP	1.0 Lot	

CONTRACT NO.	DELIVERY ORDER NO.	PAGE
N00024-01-D-7026	0005	7 OF 40

(SCN)  
Option

0003AU FMS. Other  
Direct Costs in  
support of Item  
0001AU. Effort  
benefiting other  
customers,  
including the  
United States  
Navy, may not be  
charged to this  
item. Only work  
unique to FMS  
Case JA-P-GZL may  
be charged to  
this item. For  
performance of  
SOW task 4.  
(FMS Case #JA-P-G  
ZL)  
Option

1.0 Lot



0003BA Option 1 - Other  
Direct Costs in  
support of Item  
0001BA (TBD)  
Option

1.0 Lot



0003BG Option 1 - Other  
Direct Costs in  
support of Item  
0001BG (TBD)  
Option

1.0 Lot



0003BN Option 1 - Other  
Direct Costs in  
support of Item  
0001BN (TBD)  
Option

1.0 Lot



0003BU Option 1 - Other  
Direct Costs in  
support of Item  
0001BU  
(FMS Case #TBD)  
Option

1.0 Lot



0003CA Option 2 - Other  
Direct Costs in  
support of Item  
0001CA (TBD)  
Option

1.0 Lot



0003CG Option 2 - Other  
Direct Costs in  
support of Item  
0001CG (TBD)  
Option

1.0 Lot



0003CN Option 2 - Other  
Direct Costs in

1.0 Lot



CONTRACT NO.	DELIVERY ORDER NO.	PAGE
N00024-01-D-7026	0005	8 OF 40

support of Item  
0001CN (TBD)  
Option

0003CU Option 2 - Other  
Direct Costs in  
support of Item  
0001CU  
(FMS Case #TBD)  
Option

1.0 Lot

0003DA Option 3 - Other  
Direct Costs in  
support of Item  
0001DA (TBD)  
Option

1.0 Lot

0003DG Option 3 - Other  
Direct Costs in  
support of Item  
0001DG (TBD)  
Option

1.0 Lot

0003DN Option 3 - Other  
Direct Costs in  
support of Item  
0001DN (TBD)  
Option

1.0 Lot

0003DU Option 3 - Other  
Direct Costs in  
support of Item  
0001DU  
(FMS Case #TBD)  
Option

1.0 Lot

0006

0006AA Option 4 - Other  
Direct Costs in  
support of Item  
0004AA (TBD)  
Option

1.0 Lot

0006AG Option 4 - Other  
Direct Costs in  
support of Item  
0004AG (TBD)  
Option

1.0 Lot

0006AN Option 4 - Other  
Direct Costs in  
support of Item  
0004AN (TBD)  
Option



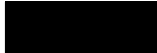


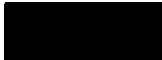



1.0 Lot

0006AU Option 4 - Other  
Direct Costs in  
support of Item  
0004AU  
(FMS Case #TBD)  
Option

1.0 Lot



CONTRACT NO.	DELIVERY ORDER NO.	PAGE
N00024-01-D-7026	0005	9 OF 40

0006BA Award Term 1 - Other Direct Costs in support of Item 0004BA (TBD) Option	1.0 Lot	
0006BG Award Term 1 - Other Direct Costs in support of Item 0004BG (TBD) Option	1.0 Lot	
0006BN Award Term 1 - Other Direct Costs in support of Item 0004BN (TBD) Option	1.0 Lot	
0006BU Award Term 1 - Other Direct Costs in support of Item 0004BU (FMS Case #TBD) Option	1.0 Lot	
0006CA Award Term 2 - Other Direct Costs in support of Item 0004CA (TBD) Option	1.0 Lot	
0006CG Award Term 2 - Other Direct Costs in support of Item 0004CG (TBD) Option	1.0 Lot	
0006CN Award Term 2 - Other Direct Costs in support of Item 0004CN (TBD) Option	1.0 Lot	
0006CU Award Term 2 - Other Direct Costs in Support of Item 0004CU. (FMS Case #TBD) Option	1.0 Lot	
0006DA Award Term 3 - Other Direct Costs in support of Item 0004DA (TBD) Option	1.0 Lot	

CONTRACT NO.	DELIVERY ORDER NO.	PAGE
N00024-01-D-7026	0005	10 OF 40

0006DG Award Term 3 - 1.0 Lot  
 Other Direct  
 Costs in support  
 of Item 0004DG  
 (TBD)  
 Option

0006DN Award Term 3 - 1.0 Lot  
 Other Direct  
 Costs in support  
 of Item 0004DN  
 (TBD)  
 Option

0006DU Award Term 3 - 1.0 Lot  
 Other Direct  
 Costs in support  
 of Item 0004DU  
 (FMS Case #TBD)  
 Option

0006EA Award Term 4 - 1.0 Lot  
 Other Direct  
 Costs in support  
 of Item 0004EA  
 (TBD)  
 Option

0006EG Award Term 4 - 1.0 Lot  
 Other Direct  
 Costs in support  
 of Item 0004EG  
 (TBD)  
 Option

0006EN Award Term 4 - 1.0 Lot  
 Other Direct  
 Costs in support  
 of Item 0004EN  
 (TBD)  
 Option

0006EU Award Term 4 - 1.0 Lot  
 Other Direct  
 Costs in support  
 of Item 0004EU  
 (FMS Case #TBD)  
 Option

0009

0009AA Award Term 5 - 1.0 Lot  
 Other Direct  
 Costs in support  
 of Item 0007AA  
 (TBD)  
 Option

0009AG Award Term 5 - 1.0 Lot  
 Other Direct  
 Costs in support  
 of Item 0007AG  
 (TBD)

CONTRACT NO.	DELIVERY ORDER NO.	PAGE
N00024-01-D-7026	0005	11 OF 40

Option

0009AN Award Term 5 - 1.0 Lot [REDACTED]  
 Other Direct  
 Costs in support  
 of Item 0007AN  
 (TBD)  
 Option

0009AU Award Term 5 - 1.0 Lot [REDACTED]  
 Other Direct  
 Costs in support  
 of Item 0007AU  
 (FMS Case #TBD)  
 Option

NOTE A - Option items - Option Item to which the option clause in SECTION I-2 applies and which is to be supplied only if and to the extent said option is exercised. The exercise of option Items in this task order past the base period of the IDIQ contract is also conditional upon the exercise of Option 1 of the IDIQ contract.

NOTE B- Award Term Items - Award Terms to which the clause in Section J applies and which is to be supplied only if and to the extent that an award term is earned and retained in accordance with the Award Term Clause and Plan in this task order.

NOTE C - Additional SLINs may be created to accomodate the obligation of multiple types of funds, but the level of effort shall not increase beyond that established in this contract.

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

This entire delivery order is cost type.

PAYMENTS OF FEE(S) (LEVEL OF EFFORT) (NAVSEA) (MAY 1993)

(a) For purposes of this delivery order, "fee" means "target fee" in cost-plus-incentive-fee type delivery orders, "base fee" in cost-plus-award-fee type delivery orders, or "fixed fee" in cost-plus-fixed-fee type delivery orders for level of effort type delivery orders.

(b) The Government shall make payments to the Contractor, subject to and in accordance with the clause in this contract entitled "FIXED FEE" (FAR 52.216-8) or "INCENTIVE FEE", (FAR 52.216-10), as applicable. Such payments shall be equal to three percent (3.0%) of the allowable cost of each invoice submitted by and payable to the Contractor pursuant to the clause of this contract entitled "ALLOWABLE COST AND PAYMENT" (FAR 52.216-7), subject to the withholding terms and conditions of the "FIXED FEE" or "INCENTIVE FEE" clause, as applicable (percentage of fee is based on fee dollars divided by estimated cost dollars, including facilities capital cost of money). Total fee(s) paid to the Contractor shall not exceed the fee amount(s) set forth in this contract.

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

(d) Fee(s) withheld pursuant to the terms and conditions of this contract shall not be

CONTRACT NO.	DELIVERY ORDER NO.	PAGE
N00024-01-D-7026	0005	12 OF 40

paid until the contract has been modified to reduce the fee(s) in accordance with the "LEVEL OF EFFORT" special contract requirement, or until the Procuring Contracting Officer has advised the paying office in writing that no fee adjustment is required.

CONTRACT NO.	DELIVERY ORDER NO.	PAGE
N00024-01-D-7026	0005	13 OF 40

## SECTION C DESCRIPTIONS AND SPECIFICATIONS

### TASK 1: SYSTEMS ENGINEERING and PROGRAM OFFICE SUPPORT

The purpose of this task is to provide professional support services to the Systems Engineering, and Other Standard Missile Program Office as needed. The Systems Engineering tasking includes providing technical, engineering and analytical support to the following engineers: (1) Lethality, (2) Performance, (3) Sensors and (4) Aero/G&C/Software Systems (5) Fleet Support; as well as providing executive assistance and management support to the Systems Engineer.

#### I. SYSTEMS ENGINEERING

##### GENERAL REQUIREMENTS

- \* Develop and maintain a schedule of Program Office technical, programmatic and administrative events and meetings. These schedules shall be updated as requested or, as a minimum, weekly. Maintain a tracking system of action items.
- \* The offeror shall operate and maintain a computerized central library system to catalogue, update, retain, and recall both classified and unclassified information.
- \* Attend periodic meetings as directed.
- \* Travel to prime contractor sites, Government facilities, field activities, ranges and laboratories as directed.
- \* Prepare briefings and associated materials and assist with preparing and supporting meetings including development of agendas, announcement letters, coordination of attendees and providing meeting minutes, as required.
- \* Provide general project management support to include:
  1. Assist in the development of Public Affair issues surrounding flight tests.
  2. Coordinate taskers and liaison with sponsors.
  3. Provide support on the areas of strategic planning and analysis required accomplishing program milestones and goals to support management decision making.
  4. Earned value management.
- \* Provide engineering support to include:
  1. Perform, review and/or analyze feasibility, rough order of magnitude, and concept studies.
  2. Perform and/or provide recommendations to ship and weapon system design reviews, including naval architecture in the context of a total ship engineering approach (both platform and weapon system) including but not limited to integration of combat systems and C4ISR interfaces, requirements tracibility measures of effectiveness, insertion of new technology, and analyses of construction and support costs.
  3. Perform and/or provide reviews, analysis, studies, documentation and recommendations for systems engineering design and/or naval architecture through all phases of a ship and weapons system life cycle including technology development, demonstrations, prototype development and test and evaluation.
  4. Review, analyze and make recommendations for the development of Mission Needs Statement (MNS), Technical Evaluation Master Plan (TEMP), Operational Requirements Document (ORD), Circular of Requirements (COR), technical documentation and general specifications.
  5. Develop input to ship and weapon systems specifications and contracts.
  6. Provide Computer Aided Design/Computer Aided Engineering.
  7. Develop/maintain engineering plans, program records, design histories, design configurations, databases and other documentation.
  8. Perform and participate in modeling, engineering development, prototype, pre-production and simulation development and analyses.
  9. Identify and provide recommendations to resolve weapon system test and evaluation issues.
  10. Draft, analyze, review and provide recommendations on test and evaluation program planning, provide installation, testing, execution documentation and checkout support of ship and weapons systems and participate in tests and trials.
  11. Perform and make recommendations on technical, performance, producibility, life cycle, risk, ROI, etc. and tradeoff studies and assessments.
  12. Provide recommendations to utilize new initiatives, new technologies and best practices to incorporate new engineering developments into ship and weapon systems.

CONTRACT NO.	DELIVERY ORDER NO.	PAGE
N00024-01-D-7026	0005	14 OF 40

13. Provide technical support for evolving science and technology projects into advanced technology development.
14. Independently assess maturity of advanced technology developments and recommend actions to transition into engineering development.
15. Conduct systems integration analyses including Human Systems Integration (HSI) engineering.
16. Identify and recommend solutions to quality assurance issues.
17. Conduct reliability, maintainability, availability, hazard, safety, and risk analyses and reviews.
18. Conduct ship/system check and recommend solutions for ship/system problems.
19. Develop, review and provide recommendations on total ship and ship system specification and design certification requirements.
20. Provide recommendations for resolution of emergent technical issues.
21. Facilitate IPTs, special advisory boards, offsites, working groups, audit teams, etc.
22. Develop/review and provide recommendations for engineering change proposals (ECPs), Justification Cost Forms (JCFs), Ship Alterations (SHIPALTs), Ordnance Alterations (ORDALTs), etc.
23. Provide engineering analyses, recommendations and documentation to IPTs, special advisory boards, offsites, working groups, audit teams, etc.
24. Conduct analyses, reviews, assessments, provide recommendations and prepare documentation for systems safety; occupational safety and health, and environmental protection including Environmental Assessments (EAs), environmental impact statements, Overseas Environmental Assessments (OEAs), Programmatic Environmental Safety and Health Evaluations (PESHEs), Weapons System Explosive Safety Review Board (WSESRB) and the National Environmental Policy Act (NEPA).
25. Perform interoperability and interface studies and recommend solutions. Document the proposed process and develop testing procedures to confirm results.
26. Assist in the Small Business Innovative Research (SBIR), Manufacturing Technology (MANTECH) and Future Naval Capabilities (FNC) processes.
27. Provide systems engineering analysis, reviews, studies, documentation and recommendations related to the development, interoperability, integration analysis, operations, sustainment and disposal of Battle Force units, interface between units, systems, subsystems and equipment.
28. Perform COTS analysis in the systems engineering process.
29. Provide technical analysis, reviews, studies, documentation and recommendations for the development of training materials and of operational doctrine and techniques.
30. Provide support in the development, analysis, testing and certification of materials and their application.
31. Develop, review, analyze and document engineering processes, associated metrics and provide recommendations to improve those processes.
32. Prepare, review and provide recommendations on ship, systems and equipment drawings.
33. Analyze, develop, review, document and provide recommendations on performance assessments against evolving threats in various environments.
34. Analyze, develop, review, evaluate and provide recommendations for approaches to ship and battle force global connectivity.
35. Provide engineering management to include configuration management, design budget development and monitoring, and technical logistics interface.
36. Provide information and recommendations to respond to Congressional, DOD, other Government agency, media or industry inquiries, and audits and for Congressional Testimony.
37. Provide recommendations and initiatives for Command Improvements to reduce overall costs, including but not limited to business case analysis, cost benefit analysis, e-business solutions.

#### SPECIFIC REQUIREMENTS

##### A. Performance Engineering

The contractor shall provide engineering, technical and analytical support to the Performance Engineer to ensure development of an integrated and efficient in-service missile program. Specifically the effort shall include providing the following expertise: missile performance (capability/readiness/reliability/safety), test and evaluation, Fleet support (including tactics and training), safety, asset management and

CONTRACT NO.	DELIVERY ORDER NO.	PAGE
N00024-01-D-7026	0005	15 OF 40

systems integration. The contractor shall also participate directly in the SM Performance Assessment Working Group (SMPAWG), Fleet Support Team (FST), Air Defense Systems Engineering Council (SEC), SM Assessment and Reliability Team (SMART) and associated tasking that stem from these efforts. Specific efforts include:

- (a) The contractor shall develop program reports, plans, schedules, and briefings as directed.
- (b) The contractor shall present briefings and actively participate in required meetings. This may include technical interchange reviews and teleconferences, program level reviews, test planning working groups, system engineering/integration meetings, mission control panels, mission readiness reviews, Fleet interface meetings and training meetings.
- (c) The contractor shall assist in the direction of SM-2 and SM-3 test program elements by creating element task statements, defining objectives, setting milestones, evaluating testability relative to system engineering metrics and performing top-level analyses that can guide the debate over direction and rate of progress to be planned. The contractor shall maintain program element plans, progress and results to meet the frequent need for quick response for program information.

#### B. Sensors

The contractor shall provide technical, engineering, and analytical expertise in support of the Sensor Systems Branch. The effort may include the following tasks:

- (a) Develop and maintain a schedule of technical, programmatic, and administrative events and meetings.
- (b) Operate and maintain a computerized central library system to catalogue, update, retain, and recall both classified and unclassified information.
- (c) Attend periodic meetings as directed.
- (d) Travel to prime contractor sites, government facilities, field activities, ranges and laboratories as directed.
- (e) Prepare briefings and associated materials and assist with preparing and supporting meetings including development of agendas, announcement letters, coordination of attendees and providing meeting minutes, as required.
- (f) Provide financial support by maintaining financial spreadsheets, ensuring funding is obligated and assisting with Seataask efforts.
- (g) Provide general project management support to coordinate taskers and liaison with sponsors. Provide support in the areas of strategic planning and analysis, accomplishing milestones and goals to support management decision making.
- (h) Provide contract management support for award fee deliberations, contract modifications/technical instructions, and administrative documentation.
- (i) Perform and/or provide reviews, analysis, studies, documentation, and recommendations for the sensor engineering designs and strategies through all phases of the Standard Missile life cycle including technology development, test and evaluation.

#### C. Aero/G&C/Software Systems Support

The contractor shall provide programmatic, technical, engineering and analytical expertise in support of the Aero/G&C/Software Systems Branch to the SM Software Engineer and the SM Modeling & Simulation (M&S) Engineer.

The contractor shall provide the SM Software Engineer with programmatic, technical, engineering, and analytical expertise in support of software program planning and integration across all activities within the SM2 Blk IVA, LASM and TDD MK45 Mode 12/14 Programs. This support will ensure development of an integrated and efficient software effort for TDA, DA and ISET activities focused on achieving overall program objectives and system requirements. The contractor's primary focus will be the support of integration and testing of the SM-2 BLK IVA software, and design, coding and integration of LASM and TDD software. The contractor shall develop program reports, plans, schedules and briefings as directed by the SM Software Engineer to address various aspects of program initiatives, including the Pedigree Leverage Team, Integrated Software Engineering Team, and the DSP Team, from top level concepts and program plans to detailed

CONTRACT NO.	DELIVERY ORDER NO.	PAGE	OF	40
N00024-01-D-7026	0005	16		

technology roadmaps and meeting documentation. When so directed, the contractor will present briefings and actively participate in required meetings as the designated representative. This may include technical interchange reviews and teleconferences, IPT meetings, program level reviews, study working groups, mission control panels and flight readiness reviews. The contractor shall assist in the direction of SM-2, LASM and TDD software program elements by creating element task statements, define objectives, setting milestones, evaluating capability and progress relative to system engineering metrics and performing top-level analyses that can guide the debate over direction and rate of progress. The contractor shall assist in the direction of Pedigree Leverage Team, DSP Team and ISET efforts by creating task statements, defining objectives, setting milestones, evaluating capability and progress relative to system engineering metrics and performing top-level analyses that can guide the debate over direction and rate of progress. The contractor shall maintain project plans, progress, and results to meet the frequent need for quick response to requests for program information.

The contractor shall also provide SM software engineering services consisting of programmatic, software systems engineering, technical, and analytical expertise in support of "modeling and simulation" planning, development, and integration across all activities within all SM variants to include:

- (a) Provide general software systems engineering support.
- (b) Assist in coordinating simulation policy and practices within PEOTSC.
- (c) Coordinate simulation interfacing activities with other PEOTSC codes.
- (d) Provide software test engineering support for development of a CIL and analyzing software test reports.
- (e) Participate in design reviews regarding simulation development, verification, validation, and accreditation.
- (f) Assist in developing M&S accreditation plans.
- (g) Review and provide comments on MSP submitted VV&A documentation.
- (h) Participate in transforming of functional design into algorithms.
- (i) Participate in SARP reviews.
- (j) Participate in STRP reviews.

#### D. Fleet Support

The contractor shall provide support in the area Fleet Support for the MK-41 Vertical Launching System. The contractor will accomplish program goals and milestones to support management in decision-making requirements. This effort shall include and is not limited to:

- \* Prepare point and issue papers on technical issues.
- \* Assist in preparation of various data calls, effort may include cost requirements.
- \* Prepare and maintain program documentation and related instructions.
- \* Prepare and process MK-41 VLS waiver messages.
- \* Assist in Navy manning/billet requirements. Assist the Navy enlisted detailer and various commands in adjusting or correcting their manpower requirements.
- \* Prepare fleet support messages using the latest message software programs. This includes message for Trial Bravo's and Final VLS Certifications.
- \* Attend conferences in support of the MK-41 VLS Program: In-service Engineering Agent Review (ISEA) conference that is held at Port Hueneme CA, and the Advanced Vertical Launching System Technician (VAT) conference, normally held at Millington, TN.
- \* Schedule and support several Fleet Investigation Teleconferences. Track and prepared the monthly report that list all the action items that are generated from the teleconference and monitor all the current casreps for the Mk13/26 and Mk-41 VLS systems.
- \* Review Classified Message Traffic and review classified reports. Process the data as required.
- \* Update and maintain several MK-41 VLS technical publications for the program office personnel.
- \* Work issues with the MK-41 VLS Schools that are located in Damneck, VA and San Diego CA. Issues may included, GM manning, Training and equipment. Attend VLS Class graduations with the Lockheed Martin Representative.
- \* Track the location of all the Mk-41 VATs that assigned through out the navy.



CONTRACT NO.	DELIVERY ORDER NO.	PAGE		
N00024-01-D-7026	0005	17	OF	40

\* Perform administration duties as assigned in-conjunction with the fast paces fleet support requirements.

#### E. Test & Evaluation Engineering Support

The contractor shall provide programmatic, technical, engineering and analytical expertise in support of the Fleet Support/T&E Branch to the T&E Engineer.

- (a) Support all aspects of the SM test and evaluation and performance verification.
- (b) Draft documents and presentations in support of test and evaluation activities.
- (c) Coordinate and facilitate performance verification working group meetings.
- (d) Review and provide technical and programmatic comments on test and evaluation program documents including TEMP, ITEP, performance verification plans, individual ground and flight test plans and target system requirement documents.
- (e) Support ground and flight test planning, conduct analyses and prepare reports.
- (f) Monitor contractor and field activity test and range readiness activities.
- (g) Provide test and evaluation budget and financial support including review of field activity budgets and participate in review of cost performance reports.
- (h) Participate in coordination of resources for test activities.
- (i) Participate as member of evaluation and performance verification related working groups and integrated product teams.
- (j) Provide support for test and evaluation related meetings including T&E planning meeting, test plan reviews, scenario certifications, mission control panels, mission readiness reviews, and data reviews.
- (k) Provide daily onsite customer interface and liaison to Navy and DoD agencies.

#### II. OTHER PROGRAM OFFICE SUPPORT

##### 1) Executive Assistance and Personnel Administration

- a) The contractor shall provide the program office with executive assistance. Special emphasis is placed on maintaining the Program Manager, Deputy Program manager and Systems Engineer's calendar of events and schedule including the coordination of travel events. EA efforts should be creative in utilizing innovative technology approaches to assist the Systems Engineer in defining, documenting and modernizing the full range of general support tasks. Support will include, but not limited to, providing inputs to and/or updates to program office records, publications, safe inventories, schedules, calendars and reports for the Systems Engineer. Other tasks include preparing draft correspondence.
- b) Assist with generating and updating the following personnel charts: organization, training, awards, DAWIA certification.
- c) Provide support with regards to writing position descriptions (PDs) and billet prioritization.
- d) Participate in and support billet planning/justification efforts.

##### 2) Performance Metrics

The contractor shall provide efforts in support of performance metrics to the Program Manager and Deputy Program Manager.

- (a) Provide technical and analytical support with regards to all metrics and performance management initiatives to include such reports as DAES, SAR, Unit Cost Reports, and CPARs and earned value.
- (b) Participate in OSD SAR reviews/audits.
- (c) Maintain unique auditable SM program database in the required format as backup for the various reports.
- (d) Prepare and maintain electronic database of baseline deviation reports and baseline change requests in the required format such as CARS.

##### 3) Program Planning

- a) The contractor shall provide program planning and business plan development support to

CONTRACT NO.	DELIVERY ORDER NO.	PAGE	OF	40
N00024-01-D-7026	0005	18		

the Program Manager and Deputy Program Manager.

- b) Review and analyze Navy provided documents related to all Standard Missile US and international program planning. Provide technical and business assessments and recommendations for changes to program and business plans. Provide detailed documentation to support critical planning recommendations.
- c) Recommend input for the preparation of required documents for formal briefings, program reviews and presentations for Standard Missile and related components. Provide analysis, with appropriate documentation (including detailed graphic representations) to support Navy produced major program presentations.
- d) Develop and maintain acquisition program documentation in accordance with DoD 5000.2 series. This will include but not limited to Program Protection Plans, Technology Assessment/Control Plans, Cost Analysis Requirements documents and environmental analyses.
- e) Assist in preparing and updating Acquisition Plans
- f) Using Navy provided planning documentation and schedules, identify and track key milestone events that pace the Standard Missile development process. Report potential deviations from schedule, recommend alternate courses of action and assess programmatic impacts.
- g) Assist in coordinating and administering the field activity business plan development effort (SEATASK).

#### 4) Management Support

- a) The contractor shall provide support in the area of strategic planning and analysis required to accomplishing program goals and milestones to support management decision making.
- b) Prepare point and issue papers on technical, financial and programmatic issues.
- c) Assist in preparation of various data calls, efforts may include financial analysis, report preparation and distribution and graphical support.
- d) Draft, analyze, integrate, review and provide recommendations for milestone and other documentation IAW Government and DoD regulations.
- e) Evaluate issues and provide recommendations related to SM cost, schedule and performance issues.
- f) Prepare and maintain program documentation.
- g) Analyze, evaluate and provide recommendations for total ownership cost (TOC), CAIV and LCC evaluations and associated management plans.

#### 5) GENERAL SUPPORT

- a) The contractor shall provide general assistance and office support to the SM Program Office.
- b) Graphics support and produce briefing slides, metric charts, etc. as necessary.
- c) Receive, log and track classified documents.
- d) Assist in the planning, coordination and execution of program meetings and events.
- e) Prepare schedules, directories and computerized information tracking systems.

#### TASK 2:

##### RDT&E PROGRAMS

The purpose of this task is to provide professional support services to the following RDT&E funded Standard Missile Programs: SM-3, Conventional Munitions, Lethality, and Standard Missile Improvements.

##### I. RDT&E

##### GENERAL REQUIREMENTS

\* Develop and maintain a schedule of Program Office technical, programmatic and administrative events and meetings. These schedules shall be updated as requested or, as a minimum, weekly. Maintain a tracking system of action items.

CONTRACT NO.	DELIVERY ORDER NO.	PAGE	OF	40
N00024-01-D-7026	0005	19		

- \* The offeror shall operate and maintain a computerized central library system to catalogue, update, retain, and recall both classified and unclassified information.
- \* Attend periodic meetings as directed.
- \* Travel to prime contractor sites, Government facilities, field activities, ranges and laboratories as directed.
- \* Prepare briefings and associated materials and assist with preparing and supporting meetings including development of agendas, announcement letters, coordination of attendees and providing meeting minutes, as required.
- \* Provide financial support to include
  1. Maintaining financial spreadsheets, ensuring funding is obligated.
  2. Assist with SEATASK efforts.
  3. Assist with cost model development.
  4. Tracking funding documents.
- \* Provide general project management support to include:
  1. Assist in the development of Public Affair issues surrounding flight tests.
  2. Coordinate taskers and liaison with sponsors.
  3. Provide support on the areas of strategic planning and analysis required accomplishing program milestones and goals to support management decision making.
  4. Earned value management.
- \* Provide contract management input for award fee deliveries, contract modifications, technical instructions and administrative data.
- \* Provide engineering support to include:
  1. Perform, review and/or analyze feasibility, rough order of magnitude, and concept studies.
  2. Perform and/or provide recommendations to ship and weapon system design reviews, including naval architecture in the context of a total ship engineering approach (both platform and weapon system) including but not limited to integration of combat systems and C4ISR interfaces, requirements tracibility measures of effectiveness, insertion of new technology, and analyses of construction and support costs.
  3. Perform and/or provide reviews, analysis, studies, documentation and recommendations for systems engineering design and/or naval architecture through all phases of a ship and weapons system life cycle including technology development, demonstrations, prototype development and test and evaluation.
  4. Review, analyze and make recommendations for the development of documents to include Mission Needs Statement (MNS), Technical Evaluation Master Plan (TEMP), Operational Requirements Document (ORD), Circular of Requirements (COR), technical documentation and general specifications.
  5. Develop input to ship and weapon systems specifications and contracts.
  6. Provide Computer Aided Design/Computer Aided Engineering.
  7. Develop/maintain engineering plans, program records, design histories, design configurations, databases and other documentation.
  8. Perform and participate in modeling, engineering development, prototype, pre-production and simulation development and analyses.
  9. Identify and provide recommendations to resolve weapon system test and evaluation issues.
  10. Draft, analyze, review and provide recommendations on test and evaluation program planning, provide installation, testing, execution documentation and checkout support of ship and weapons systems and participate in tests and trials.
  11. Perform and make recommendations on technical, performance, producibility, life cycle, risk, ROI, etc. and tradeoff studies and assessments.
  12. Provide recommendations to utilize new initiatives, new technologies and best practices to incorporate new engineering developments into ship and weapon systems.
  13. Provide technical support for evolving science and technology projects into advanced technology development.
  14. Independently assess maturity of advanced technology developments and recommend actions to transition into engineering development.
  15. Conduct systems integration analyses including Human Systems Integration (HSI) engineering.
  16. Identify and recommend solutions to quality assurance issues
  17. Conduct reliability, maintainability, availability, hazard, safety, and risk analyses and reviews.
  18. Conduct ship/system check and recommend solutions for ship/system problems.
  19. Develop, review and provide recommendations on total ship and ship system

CONTRACT NO.	DELIVERY ORDER NO.	PAGE	OF	40
N00024-01-D-7026	0005	20		

specification and design certification requirements.

20. Provide recommendations for resolution of emergent technical issues.
21. Facilitate IPTs, special advisory boards, offsites, working groups, audit teams, etc.
22. Develop/review and provide recommendations for engineering change proposals (ECPs), Justification Cost Forms (JCFs), Ship Alterations (SHIPALTs), Ordnance Alterations (ORDALTs), etc.
23. Provide engineering analyses, recommendations and documentation to IPTs, special advisory boards, offsites, working groups, audit teams, etc.
24. Conduct analyses, reviews, assessments, provide recommendations and prepare documentation for systems safety; occupational safety and health, and environmental protection including Environmental Assessments (EAs), environmental impact statements, Overseas Environmental Assessments (OEAs), Programmatic Environmental Safety and Health Evaluations (PESHEs), Weapons System Explosive Safety Review Board (WSESRB) and the National Environmental Policy Act (NEPA).
25. Perform interoperability and interface studies and recommend solutions. Document the proposed process and develop testing procedures to confirm results.
26. Assist in the Small Business Innovative Research (SBIR), Manufacturing Technology (MANTECH) and Future Naval Capabilities (FNC) processes.
27. Provide systems engineering analysis, reviews, studies, documentation and recommendations related to the development, interoperability, integration analysis, operations, sustainment and disposal of Battle Force units, interface between units, systems, subsystems and equipment.
28. Perform COTS analysis in the systems engineering process
29. Provide technical analysis, reviews, studies, documentation and recommendations for the development of training materials and of operational doctrine and techniques.
30. Provide support in the development, analysis, testing and certification of materials and their application.
31. Develop, review, analyze and document engineering processes, associated metrics and provide recommendations to improve those processes.
32. Prepare, review and provide recommendations on ship, systems and equipment drawings.
33. Analyze, develop, review, document and provide recommendations on performance assessments against evolving threats in various environments.
34. Analyze, develop, review, evaluate and provide recommendations for approaches to ship and battle force global connectivity.
35. Provide engineering management to include configuration management, design budget development and monitoring, and technical logistics interface.
36. Provide information and recommendations to respond to Congressional, DOD, other Government agency, media or industry inquiries, and audits and for Congressional Testimony.
37. Provide recommendations and initiatives for Command Improvements to reduce overall costs, including but not limited to Business Case Analysis, cost benefit analysis, e-business solutions.

#### Test and Evaluation

1. The contractor shall provide technical analysis of the SM testing requirements and develop/present briefings as necessary.
2. If required, the contractor shall provide on-site participation of STANDARD Missile system integration and test activities such as acceptance testing and design validation
3. The contractor shall perform top-level assessments and analyses to address the benefits of integrating new technology into Surface Navy Missiles and Testing. These assessments will be used to support system engineering decisions that effect Surface Navy Missiles.
4. The contractor shall maintain familiarity with technology development programs throughout the test and evaluation community in order to identify promising opportunities that could benefit Surface Navy Missile Testing.
5. The contractor will provide recommendations on investment strategies to provide a balanced testing and evaluation program that could provide increased capability in future Surface Navy Missile development.

#### Test Equipment Development

1. The contractor shall support PMS-422 in efforts to modify and develop Surface Navy

CONTRACT NO.	DELIVERY ORDER NO.	PAGE	21	OF	40
N00024-01-D-7026	0005				

missile test equipment.

2. The contractor shall assist in determining the strategy for replacing some or all of the current test stations with PC-based test equipment for Surface Navy Missile testing.

3. The contractor shall evaluate current test equipment and present recommendations for future upgrades in order to provide efficient Surface Navy Missile testing.

4. The contractor shall assist in the development of software for Surface Navy Missiles.

5. The contractor shall evaluate current test equipment and make recommendations for future upgrades in order to provide efficient Surface Navy Missile testing.

#### Mission Operations and Data Analysis

1. The contractor shall assist PMS-422 with development of test procedures, coordination and engineering analysis.

2. If required, the contractor shall coordinate test operations and provide summary analyses of relevant test results.

#### RDT&E Programs

The contractor shall support the respective RDT&E Project Managers and staff in the technical and programmatic management and analysis of the SM-3 Aegis LEAP Intercept Flight Test Program, 04 Capability Program, Risk Reduction Activities, Japan Cooperative Research activities, Kinetic Energy Booster, Conventional Munitions, Lethality, and Standard Missile Improvements.

#### SM-3 Engineering Support

1. The contractor shall possess technical expertise in the areas of missile integration and test, kinetic warhead design, integration and test, IR seekers, hover facilitation, axial and divert propulsion, infrared sensors, infrared discrimination, guidance systems and missile system analysis.

2. The contractor shall possess technical expertise in the Lightweight Exo-Atmospheric Projectile (LEAP) legacy programs.

3. The contractor shall support the Kinetic Warhead (KW) Engineer in the development and execution of future KW development plans as these activities transition from Aegis LEAP Intercept to 04 Capability and JCR.

4. The contractor shall provide technical expertise in the areas of: KW integration and test, infrared sensors, propulsion, guidance systems, and discrimination and lethal aimpoint algorithms.

5. The contractor shall coordinate the technology development and analysis activities of Raytheon and Government and university laboratories.

6. The contractor shall participate in the KW management team, lead KW management telecons, and prepare KW technical status assessment briefings and whitepapers, as required.

7. The contractor shall participate as a panel member in the SM development Test Leverage Team.

8. The contractor shall lead the coordination of quarterly SM-3 Risk Reduction reviews.

9. The contractor shall also lead the development and execution of working groups for Aimpoint Selection Algorithms, alternate KW operation concepts, threat characterization, discrimination algorithm implementation and others as directed by the SM-3 Project Manager.

10. The contractor shall support the SM-3 JCR Engineer in the development and execution of Japan/US cooperative development project.

11. The contractor shall participate in the Japan/US Cooperative Development Project System Engineering Subgroup and provide technical analysis and assessment of proposed color infrared sensor.

12. The contractor shall participate in test planning of US and Japan infrared sensors onboard the Airborne Surveillance Testbed (AST) aircraft.

13. The contractor shall work with Raytheon, Boeing, USASDC, Japan Defense Agency, and the Japan contractor to develop schedules, integration & test and mission plans for captive carry testing of the infrared sensors.

14. The contractor shall support special studies and analyses of SM-3 concepts,

CONTRACT NO.	DELIVERY ORDER NO.	PAGE	OF	40
N00024-01-D-7026	0005	22		

implementation strategies and other SM related assessments as directed by the SM-3 Project Manager.

#### KE Boost

1. The contractor shall provide on-site program management, technical analysis, and IT support to the Kinetic Boost Engineer and the STANDARD Missile Project Manager.
2. The contractor shall support the following functional areas: engineering process development, technical analysis, budget development and tracking,
3. The contractor shall provide program liaison with Navy and Multi-service organizations, and STANDARD Missile SM-3 and the Kinetic Boost Phase Tiger Team acquisition process support.

#### KE Boost Program Management

1. The contractor shall provide direct support to the Kinetic Boost Phase Tiger Team Manager for actions assigned by the STANDARD Missile Project Manager and STANDARD Missile Program Manager for analysis of Kinetic Warhead technical inputs and action item responses for content and issue resolution
2. The contractor shall provide representation of Kinetic Boost Phase Tiger Team Manager at required events, meetings, working groups, or action item responses in his/her absence
3. The contractor shall assist in the development of engineering processes to invoke efficiencies in program and Kinetic Boost Phase Tiger Team operation
4. The contractor shall be the Kinetic Boost Phase Tiger Team liaison with Navy and Multi-Service agencies outside STANDARD Missile for technical and analytical inputs and feedback
5. The contractor shall participate in Kinetic Boost Phase Tiger Team Cost analysis working groups, analyze and quantify cost, schedule and performance risk, based on CONOPS and system design, and review risk mitigation proposals
6. The contractor shall conduct Kinetic Boost Phase Tiger Team functional area/department budget process, detailed budget development, and execution
7. The contractor shall develop Kinetic Boost Phase Tiger Team technical design analysis procedures, tools, measures of effectiveness, measures of performance, and review processes.
8. The contractor shall develop program and system Risk assessments, and review/comment on Industry risk measurement and analysis processes
9. The contractor shall develop statements of technical support and Kinetic Boost Phase Tiger Team element interface development for Field Activity action and budgeting
10. The contractor shall participate in and provide Kinetic Boost Phase Tiger Team inputs into Navy/Industry IPTs and STANDARD Missile and other U.S. Navy development program design and development reviews
11. The contractor shall develop, review, and facilitate Sponsor and other program briefings
12. The contractor shall generate and track correspondence from the Kinetic Boost Phase Tiger Team Office
13. The contractor shall develop and integrate Kinetic Boost Phase Tiger Team Travel scheduling and department calendars

#### Lethality

1. The contractor shall provide the SM Lethality Engineer with technical, engineering, and analytical expertise in support of lethality program planning and integration across all activities within the Navy Area, Navy Theater Wide and BMDO Corporate Lethality Programs to ensure development of an integrated and efficient program focused on achieving overall program objectives and system requirements. The contractor's primary focus will be the support of integration and testing of the SM-2 BLK IVA and SM-3 Kinetic Warhead (KW).
2. The contractor shall also support the SM Lethality Engineer in the execution of SM-3 Block I and II engineering trade studies and analyses; and provide technical and programmatic support for development of study plans and reports.
3. The contractor shall participate directly in live fire test and evaluation and SM-3 lethality testing and analysis execution, in every phase of the process from requirements definition to test data evaluation and reporting.
4. The contractor shall be onsite during significant development and demonstration

CONTRACT NO.	DELIVERY ORDER NO.	PAGE	OF	40
N00024-01-D-7026	0005	23		

testing and will provide succinct summaries of the events to the SM Lethality Engineer.

5. The contractor shall also actively participate in test data analysis and failure investigations and will provide technical evaluations and recommendations to the contractor team and program office.
6. The contractor shall provide technical assistance to the SM Lethality Engineer to develop threat representative testing scenarios for SM-2 and SM-3 missiles.
7. The contractor shall also participate in threat representative target definition to ensure SM issues are addressed.
8. The contractor shall develop program reports, plans, schedules and briefings as directed by the SM Lethality Engineer to address various aspects of program initiatives, from top level concepts and program plans to detailed test results and analyses.
9. The contractor will present briefings and actively participate in required meetings as the designated representative. This may include technical interchange reviews and teleconferences, IPT meetings, program level reviews, test planning working groups, mission control panels and flight readiness reviews.
10. The contractor shall assist in the direction of SM-2 and SM-3 test program elements by creating element task statements, define objectives, setting milestones, evaluating testability relative to system engineering metrics and performing top-level analyses that can guide the debate over direction and rate of progress to be planned.
11. The contractor shall maintain program element plans, progress, and results to meet the frequent need for quick response to requests for program information.

#### Other Engineering Support

The offeror shall possess technical expertise in the areas of missile integration and test, MK45 Mod 12/14 TDD, Advanced Ordnance, Future STANDARD Missile Studies, Lethality, Conventional Munitions, Kinetic Energy booster, kinetic warhead integration and test, IR seekers, hover facilitation, axial and divert propulsion, infrared sensors, infrared discrimination, guidance systems and missile system analysis.

#### Program Management

1. Draft, analyze, integrate, review and provide recommendations for Milestone and other documentation in accordance with Government, DOD and Service regulations
2. Evaluate issues and provide recommendations related to weapon system cost, schedule, and performance
3. Gather information, identify issues and provide recommendations and draft documentation to achieve overall goals for weapon system strategic planning
4. Recommend resolution of issues for milestone decisions
5. Provide recommendations regarding programming, planning and budgeting management
6. Provide information and recommendations to respond to Congressional, DOD, other Government agency, media or industry inquiries, and audits and for Congressional testimony
7. Analyze, evaluate and provide recommendations for the planning, development, monitoring and execution of procurement and contractual documentation and field activity performance
8. Facilitate IPTs, special advisory boards, offsites, working groups, audit teams etc.
9. Analyze, evaluate and prepare program briefs, reports and correspondence
10. Prepare and maintain program documentation
11. Analyze contractor proposals as permitted by law, regulation and NAVSEA policy.
12. Review, track, and provide recommendations regarding the evaluation of contract deliverables
13. Review, assess and monitor production reports and recommend resolution to production problems
14. Provide recommendations and initiatives for Command Improvements to reduce overall costs, including but not limited to Business Case Analysis, cost benefit analysis, e-business solutions

TASK 3:

SM & VLS Production Support

CONTRACT NO.	DELIVERY ORDER NO.	PAGE	OF	40
N00024-01-D-7026	0005	24		

There are two principal purposes of this task. (1) To provide professional support services to the Standard Missile (SM) Production Manager and the Launcher Systems Projects Manager. (2) Provide logistics management for the Standard Missile Program Office.

# I. Production Programs

## GENERAL REQUIREMENTS

- \* Develop and maintain a schedule of Program Office technical, programmatic and administrative events and meetings. These schedules shall be updated as requested or, as a minimum, weekly. Maintain a tracking system of action items.
- \* The contractor shall operate and maintain a computerized central library system to catalogue, update, retain, and recall both classified and unclassified information.
- \* Attend periodic meetings as directed.
- \* Travel to prime contractor sites, Government facilities, field activities, ranges and laboratories as directed.
- \* Prepare briefings and associated materials and assist with preparing and supporting meetings including development of agendas, announcement letters, coordination of attendees and providing meeting minutes, as required.
- \* Provide general engineering support to include:
  1. Review, analyze and make recommendations for the development of documents to include Mission Needs Statement (MNS), Technical Evaluation Master Plan (TEMP), Operational Requirements Document (ORD), Circular of Requirements (COR), technical documentation and general specifications.
  2. Provide engineering management to include configuration management, design budget development and monitoring, and technical logistics interface.
  3. Provide information and recommendations to respond to Congressional, DOD, other Government agency, media or industry inquiries, and audits and for Congressional Testimony.
  4. Provide recommendations and initiatives for Command Improvements to reduce overall costs, cost benefit analysis, e-business solutions.
- \* Provide contract management input for award fee deliveries, contract modifications, technical instructions and administrative data.
- \* Provide program management support to include:
  1. Draft, analyze, integrate, review and provide recommendations for Milestone and other documentation in accordance with Government, DOD and Service regulations.
  2. Evaluate issues and provide recommendations related to ship, submarine, information system, or weapon system cost, schedule, and performance.
  3. Gather information, identify issues and provide recommendations and draft documentation to achieve overall goals for weapon system strategic planning.
  4. Recommend resolution of issues for milestone decisions.
  5. Provide recommendations regarding programming, planning and budgeting management.
  6. Provide information and recommendations to respond to Congressional, DOD, other Government agency, media or industry inquiries, and audits and for Congressional testimony.
  7. Analyze, evaluate and provide recommendations for the planning, development, monitoring and execution of procurement and contractual documentation and field activity performance.
  8. Facilitate IPTs, special advisory boards, offsites, working groups, audit teams etc.
  9. Analyze, evaluate and prepare program briefs, reports and correspondence.
  10. Review, analyze and provide recommendations to utilize new initiatives and best practices to improve areas within program management.
  11. Prepare and maintain program documentation.
  12. Provide inputs to independent cost estimates (for life cycle costs or other activities).
  13. Prepare estimates at completion (EAC) for work conducted by a government activity or a contractor.
  14. Analyze contractor proposals as permitted by law, regulation and NAVSEA policy.
  17. Conduct cost/performance trade off studies.
  18. Perform contract earned value management system (EVMS) analyses.
  19. Analyze, evaluate and provide recommendations for Total Ownership Cost (TOC), CAIV



CONTRACT NO.	DELIVERY ORDER NO.	PAGE	OF	40
N00024-01-D-7026	0005	25		

and LCC evaluations and associated management plans.

20. Perform tradeoff studies and risk assessments.
21. Provide program support for reviews, conferences, briefings and other meetings.
22. Conduct surveys and analyze results.
23. Draft program schedules and Gantt charts and perform critical path analysis.
24. Integrate Environmental, Safety and Health (ESH) requirements with the DOD acquisition process.
25. Review, track, and provide recommendations regarding the evaluation of contract deliverables.
26. Maintain status of action items and issues related to fleet investigations.
27. Provide design oversight including configuration and data management.
28. Review, assess and monitor production reports and recommend resolution to production problems.
29. Draft, analyze, review and provide recommendations on test and evaluation program planning, provide installation, testing, execution documentation and checkout support of ship and weapons systems and participate in tests and trials.
30. Provide recommendations and initiatives for Command Improvements to reduce overall costs, including but not limited to Business Case Analysis, cost benefit analysis, e-business solutions.

#### SPECIFIC REQUIREMENTS

##### A. SM Production

The contractor shall provide the U.S. Production Manager with program management support in the areas of financial management and acquisition support.

##### Financial Management

- (a) Provide support for budget planning and execution.
- (b) Provide input for SEATASK formatting and field activity fiscal and programmatic reporting.
- (c) Provide assistance in evaluation of proposal cost estimates in accordance with law, regulation and NAVSEA policy.
- (d) Provide support for preparation of presentation material to support and defend budget submissions at all levels of DoD.

##### Acquisition Support

- (a) Provide technical and administrative support in preparation and processing of procurement documentation.
- (b) Assist in the coordination of U.S requirements with FMS requirements and vice-a-versa; assist in the cost analysis of pro rata allocations between production support tasks and Foreign Military Sales.
- (c) Assist in the coordination of procurement problems with Navy personnel, Government agencies and other support contractors.
- (d) Provide input on obligations/expenditure status.
- (e) Maintain a monitor program history database. Analyze program history and provide recommendations for program scheduling.
- (f) Assist in analyzing and monitoring the Standard Missile Financial Planning and Reporting System for budget execution.
- (g) Provide inputs to obligation/phasing plans, compare actuals with planned and provide impact analyses as required.

##### B. VLS Production

- (a) WPN, SCN, and OPN Funding - The contractor shall assist in investigating acquisition management requirements, major program acquisition policy, DoD and SECNAV policy, directives and contracting regulations for program impact.
- (b) Support the Launcher Systems Manager in providing on-site assistance in Planning, Programming and Budgeting.

CONTRACT NO.	DELIVERY ORDER NO.	PAGE	OF	40
N00024-01-D-7026	0005	26		

- (c) Gather inputs for, generate and distribute weekly report.
- (d) Generate Flag Level quality presentations.
- (e) Generate agendas, attend meetings, and generate meeting minutes and track and resolve action items.
- (f) Support requests for special studies and analysis.
- (g) Assist in preparing point papers, reclamation, and other program documentation as required to articulate and support program requirements.
- (h) Interface with field activities, VLS contractors and other program office managers to collect, assess, analyze, interpret and collate Program Objective Memorandum and budget data and justification to support budget submissions.
- (i) Assist in the data collection for, generation of, staffing of and preparation for the semi-annual Metrics briefs.
- (j) Establish and update a tasker/action item database that includes tasker/action item documentation, person assigned to answer the tasker/action item, date assigned, due date, status and, when completed, the response.
- (k) Provide input for SEATASK formatting and field activity fiscal and programmatic reporting.
- (l) Assist in the semi-annual review and markup of the AEGIS Ship Project Directive Part IIs to assure funding requirement alignment. Additionally assist in the preparation and production of the quarterly AEGIS Acquisition Agent presentation.
- (m) Assist in gathering data for and preparing the annual VAMOSOC financial data report.
- (n) Assist in coordinating new ship construction requirements including new launcher baseline introduction.
- (o) Assist in coordinating the planning and technical review of the bi-annual VLS Naval Training System Plan update to include new VLS baselines.
- (p) Evaluate VLS ECPs for new ship construction impact and provide recommendations to Launcher Systems manager. Additionally have the capability to access various VLS related databases to enter or retrieve information.
- (q) Provide electronic Monthly Work-hour and Cost Reports.

## II. LOGISTICS MANAGEMENT

Provide logistics management to the Standard Missile Program Office to include:

- \* Draft and recommend technical ILS requirements in systems development, systems production and modernization for the life cycle of the program.
- \* Analyze and recommend logistics element processes (e.g. configuration management process, support and sparring process).
- \* Conduct ILS risk assessments.
- \* Develop logistics support plans and planning documentation (e.g. the ILS portions of the Master Acquisition Program Plan (MAPP), the ILS portion of the Mission Needs Statements (MNS), the ILS portion of the operational Requirements Document (ORD), ILS portion of the Test and Evaluation Master Plan (TEMP), Supply Support Plan (SSP), Commercial Off the Shelf (COTS) Management Plan, Technology Insertion Plan etc.).
- \* Develop Integrated Logistics Support (ILS) Schedules and track ILS performance.
- \* Develop performance measures/metrics.
- \* Review, evaluate, coordinate and provide recommendations on support/test equipment
- \* Review, analyze, validate and verify, and recommend changes to technical documentation

### TASK 4:

#### FMS PROGRAMS

There are two principal purposes of this task. (1) To provide professional support services to the International Projects Manager and (2) Provide logistics management for the Standard Missile Program Office.

#### I. FMS PROGRAMS

##### GENERAL REQUIREMENTS

- \* Develop and maintain a schedule of Program Office technical, programmatic and administrative events and meetings. These schedules shall be updated as requested or, as

CONTRACT NO.	DELIVERY ORDER NO.	PAGE
N00024-01-D-7026	0005	27 OF 40

a minimum, weekly. Maintain a tracking system of action items.

\* The contractor shall operate and maintain a computerized central library system to catalogue, update, retain, and recall both classified and unclassified information.

\* Attend periodic meetings as directed.

\* Travel to prime contractor sites, Government facilities, field activities, ranges and laboratories as directed.

\* Prepare briefings and associated materials and assist with preparing and supporting meetings including development of agendas, announcement letters, coordination of attendees and providing meeting minutes, as required.

\* Provide general engineering support to include:

1. Review, analyze and make recommendations for the development of documents to include Mission Needs Statement (MNS), Technical Evaluation Master Plan (TEMP), Operational Requirements Document (ORD), Circular of Requirements (COR), technical documentation and general specifications.

2. Provide engineering management to include configuration management, design budget development and monitoring, and technical logistics interface.

3. Provide information and recommendations to respond to Congressional, DOD, other Government agency, media or industry inquiries, and audits and for Congressional Testimony.

4. Provide recommendations and initiatives for Command Improvements to reduce overall costs, including but not limited to Business Case Analysis, cost benefit analysis, e-business solutions.

\* Provide contract management input for award fee deliveries, contract modifications, technical instructions and administrative data.

\* Provide program management support to include:

1. Draft, analyze, integrate, review and provide recommendations for Milestone and other documentation in accordance with Government, DOD and Service regulations.

2. Evaluate issues and provide recommendations related to ship, submarine, information system, or weapon system cost, schedule, and performance.

3. Gather information, identify issues and provide recommendations and draft documentation to achieve overall goals for weapon system strategic planning.

4. Recommend resolution of issues for milestone decisions.

5. Provide recommendations regarding programming, planning and budgeting management.

6. Provide information and recommendations to respond to Congressional, DOD, other Government agency, media or industry inquiries, and audits and for Congressional testimony.

7. Analyze, evaluate and provide recommendations for the planning, development, monitoring and execution of procurement and contractual documentation and field activity performance.

8. Facilitate IPTs, special advisory boards, offsites, working groups, audit teams etc.

9. Analyze, evaluate and prepare program briefs, reports and correspondence.

10. Review, analyze and provide recommendations to utilize new initiatives and best practices to improve areas within program management.

11. Prepare and maintain program documentation.

12. Analyze, evaluate and provide recommendations for the management of FMS, International, DEA, Joint and Tri-service, etc. programs.

13. Provide inputs to independent cost estimates (for life cycle costs or other activities).

14. Prepare estimates at completion (EAC) for work conducted by a government activity or a contractor.

15. Analyze contractor proposals as permitted by law, regulation and NAVSEA policy.

16. Conduct cost/performance trade off studies.

17. Perform contract earned value management system (EVMS) analyses.

18. Analyze, evaluate and provide recommendations for Total Ownership Cost (TOC), CAIV and LCC evaluations and associated management plans.

19. Perform tradeoff studies and risk assessments.

20. Provide program support for reviews, conferences, briefings and other meetings.

21. Conduct surveys and analyze results.

22. Draft program schedules and Gantt charts and perform critical path analysis.

23. Integrate Environmental, Safety and Health (ESH) requirements with the DOD acquisition process.

24. Review, track, and evaluate contract deliverables.

25. Maintain status of action items and issues related to fleet investigations.

CONTRACT NO.	DELIVERY ORDER NO.	PAGE
N00024-01-D-7026	0005	28 OF 40

26. Provide design oversight including configuration and data management.  
 27. Review, assess and monitor production reports and recommend resolution to production problems.  
 28. Draft, analyze, review and provide recommendations on test and evaluation program planning, provide installation, testing, execution documentation and checkout support of ship and weapons systems and participate in tests and trials.  
 29. Provide recommendations and initiatives for Command Improvements to reduce overall costs, including but not limited to Business Case Analysis, cost benefit analysis, e-business solutions.

#### SPECIFIC REQUIREMENTS

##### A. FMS Projects

In addition to above, the contractor shall provide the International Projects Manager with technical/analytical support.

##### Technical/Analytical Support

1. The contractor shall provide support for STANDARD Missile and MK41 Vertical Launching System integration in the areas of international and FMS ship classes. The contractor should have experience and demonstrated knowledge of DoD/DoN and Department of State organizations and FMS processes as defined in the Security Assistance Management Manual, Arms Export Control Act, International Traffic in Arms Regulation and other applicable laws, policies, instructions and directives. The contractor shall have familiarity with the DCSA, Navy International Program Office, PMS380, PMS400, NATO SEASPARROW Program Office and other applicable organizations in the FMS chain of command. Support includes coordinating all programmatic and technical efforts for the following programs:

TASK A. AT-B-GUN  
 TASK B. AT-P-MGK  
 TASK C. BA-P-GAM  
 TASK D. CN-P-BBN  
 TASK E. CN-P-GGI  
 TASK F. CN-P-GKY  
 TASK G. EG-P-GGB  
 TASK H. FR-P-BNA  
 TASK I. FR-P-GVC  
 TASK J. FR-P-GVM  
 TASK K. GY-P-AKO  
 TASK L. GY-P-GNT  
 TASK M. IT-P-GMS  
 TASK N. IT-P-LDA  
 TASK O. IT-P-MBZ  
 TASK P. JA-P-AOI  
 TASK Q. JA-P-AOJ  
 TASK R. KS-P-AHU  
 TASK S. NE-P-AFN  
 TASK T. NE-P-GIJ  
 TASK U. NE-P-GJS  
 TASK V. NE-P-LFR  
 TASK W. SP-P-AMB  
 TASK X. SP-P-BQT  
 TASK Y. TK-P-AHT  
 TASK Z. TK-P-MES  
 TASK AA. TW-P-LEV  
 TASK BB. TW-P-LEX  
 TASK CC. JA-P-LSA  
 TASK DD. JA-P-GZL  
 TASK EE. JA-P-LQV  
 TASK FF. KS-P-LOW  
 TASK GG. NE-P-GIP

CONTRACT NO.	DELIVERY ORDER NO.	PAGE	OF	40
N00024-01-D-7026	0005	29		

TASK HH. SP-P-LPG  
TASK II. GE-P-

Efforts associated with tasks A through II apply to the following work requirements:

2. The contractor shall investigate, analyze, and make recommendations to resolve issues regarding equipment delivery, Integrated Logistics Support (ILS) coordination, configuration management, system compatibility and other engineering, technical and logistical concerns associated with FMS requirements. These issues and concerns are directly tasked to the STANDARD Missile Program Office FMS Section from various NAVSEA Directorates and Defense Agencies, including PMS380, PMS400, SEA 02, U.S. Navy field activities, FMS customer liaison offices and international defense agencies. The offeror shall respond directly to the STANDARD Missile Program Office with specific reference documentation and technical comments/recommendations.

3. The contractor shall assist in the coordination of FMS missile deliveries, components and equipment from the applicable hardware manufacturer's plant, Naval Weapon Stations, and other Naval Activities to the shipping point. This effort may occasionally consist of providing shipping data/instructions to the Military Traffic Management Command (MTMC), the FMS customer Freight Forwarder, the port of debarkation, and/or the in-country representative. In addition, when required, the contractor shall investigate and resolve reports of discrepancies in shipments when submitted by the customer.

4. The contractor shall provide ILS coordination assistance to the PMS422 FMS staff in support of life cycle requirements, including STANDARD Missile component repairs/upgrades processed through the Depot Level Maintenance Facility (DLMF). The offeror shall assist in identifying DLMF repair/upgrade requirements for returned FMS components for induction into the DLMF repair system. Each returned FMS component shall be identified by FMS case, nomenclature, part number, and serial number. Repair requirements will be initiated by procurement action to be covered in the respective DLMF repair contracts. Current DLMF repair contracts are for SM-1 and SM-2 components; later contracts will cover subsequent STANDARD Missile versions released for international sales.

5. FMS customers have several unique missile configurations. The contractor shall assist in analyzing and identifying the appropriate FMS missile configuration and, more importantly, identifying the applicable components and assemblies to meet the customers' specific requirements and ensure configuration accuracy during the execution of each Price and Availability (P&A), Project Directive and procurement package.

6. The contractor shall assist in resolving issues of system compatibility; these issues are closely related to configuration management and ILS concerns, especially when non-USN fire control systems are involved. FMS systems have created unique interoperability challenges. The contractor's support services shall consist of the following tasks with the review of each FMS acquisition package:

- \* Identify long-range logistics tasks and requirements.
- \* Analyze milestone developments.
- \* Assist in the development of procurement documentation.
- \* Track FMS procurement documentation.
- \* Track hardware component deliverables.
- \* Coordinate procurements with Navy action offices and associated U.S. Government agencies.
- \* Provide data to initiate Price and Availability (P&A) revisions.
- \* Coordinate releasability and export license actions related to each sale with Navy action offices and associated U.S. Government agencies.
- \* Provide timely updates to the Technology Transfer and Security Review Board as new STANDARD Missile variants are developed.

7. The contractor shall prepare presentations; attend and participate in the various separate FMS country reviews, Technical Working Groups, Maintenance Technical Reviews, FMS Workshop Meetings, In-Service Reviews (ISR); and respond to action items generated at these meetings/reviews. The contractor shall provide technical and analytical support services for the various special FMS SM-2 integration efforts, including: the Italian Navy's Arcobaleno Upgrade Program; the Republic of Korea Navy's KDX-II Shipboard Integration Program; the German Navy/Royal Netherlands Navy Active Phased Array Radar and Interrupted Continuous Wave Illumination Program; and any other operational requirements definition or system requirements definition studies as may be sought over the life of

CONTRACT NO.	DELIVERY ORDER NO.	PAGE		
N00024-01-D-7026	0005	30	OF	40

this contract. These special programs may consist of funding the appropriate STANDARD Missile Design Agent, the Weapons Direction System Design Agent/System Integration Agent Engineering contractor for TARTAR and unique international phased-array systems, as well as associated hardware support sub-contractors. The contractor shall also provide the following technical support services in response to each individual FMS customer and program management requests:

- \* Provide ready-reference binders to include all applicable documentation regarding FMS correspondence, proof of shipment, financial documentation; researched data for In-Service Reviews; PEO Theater Surface Combatants (TSC) briefings; International TARTAR Workshop Group (ITWG) meetings; and any other briefings and international reviews funded with FMS administration monies.
- \* Provide the PMS422 FMS group a complete progress status on each FMS case, consisting of the assigned Project Directive (PD), referenced requisition numbers, required hardware component contracts/contract modifications, associated procurement requests, associated funding documents and proposed/actual required delivery dates.

## II. LOGISTICS MANAGEMENT

Provide logistics management to the Standard Missile Program Office to include:

- \* Draft and recommend technical ILS requirements in systems development, systems production and modernization for the life cycle of the program.
- \* Analyze and recommend logistics element processes (e.g. configuration management process, support and sparing process.
- \* Conduct ILS risk assessments.
- \* Develop logistics support plans and planning documentation (e.g. the ILS portions of the Master Acquisition Program Plan (MAPP), the ILS portion of the Mission Needs Statements (MNS), the ILS portion of the operational Requirements Document (ORD), ILS portion of the Test and Evaluation Master Plan (TEMP), Supply Support Plan (SSP), Commercial Off the Shelf (COTS) Management Plan, Technology Insertion Plan etc.).
- \* Develop Integrated Logistics Support (ILS) Schedules and track ILS performance.
- \* Develop performance measures/metrics.
- \* Review, evaluate, coordinate and provide recommendations on support/test equipment
- \* Review, analyze, validate and verify, and recommend changes to technical documentation

Deliverable for Tasks 1 through 4, in addition to what is included in each task statement:

CONTRACT FUNDS STATUS REPORT, First Submission 45 days after task order award, monthly submission thereafter.

CONTRACT NO.	DELIVERY ORDER NO.	PAGE
N00024-01-D-7026	0005	31 OF 40

## SECTION D PACKAGING AND MARKING

Packaging and Marking shall be in accordance with Section D of the IDIQ contract.

CONTRACT NO.	DELIVERY ORDER NO.	PAGE
N00024-01-D-7026	0005	32 OF 40

## SECTION E INSPECTION AND ACCEPTANCE

Inspection and Acceptance shall be in accordance with Section E of the IDIQ contract.



CONTRACT NO.	DELIVERY ORDER NO.	PAGE
N00024-01-D-7026	0005	33 OF 40

## SECTION F DELIVERIES OR PERFORMANCE

### DELIVERIES OR PERFORMANCE

The periods of performance for the base years Items are from date of task order award through 12 months thereafter.

The period of performance for the option Items are from date of option exercise through 12 months thereafter, estimated at:

0001AC 04/30/02 - 04/29/03  
 0001AP 04/30/02 - 04/29/03  
 0001BA 04/30/03 - 04/29/04  
 0001BG 04/30/03 - 04/29/04  
 0001BN 04/30/03 - 04/29/04  
 0001BU 04/30/03 - 04/29/04  
 0001CA 04/30/04 - 04/29/05  
 0001CG 04/30/04 - 04/29/05  
 0001CN 04/30/04 - 04/29/05  
 0001CU 04/30/04 - 04/29/05  
 0001DA 04/30/05 - 04/29/06  
 0001DG 04/30/05 - 04/29/06  
 0001DN 04/30/05 - 04/29/06  
 0001DU 04/30/05 - 04/29/06  
 0003AA 04/30/02 - 04/29/03  
 0003AC 04/30/02 - 04/29/03  
 0003AG 04/30/02 - 04/29/03  
 0003AN 04/30/02 - 04/29/03  
 0003AP 04/30/02 - 04/29/03  
 0003AU 04/30/02 - 04/29/03  
 0003BA 04/30/03 - 04/29/04  
 0003BG 04/30/03 - 04/29/04  
 0003BN 04/30/03 - 04/29/04  
 0003BU 04/30/03 - 04/29/04  
 0003CA 04/30/04 - 04/29/05  
 0003CG 04/30/04 - 04/29/05  
 0003CN 04/30/04 - 04/29/05  
 0003CU 04/30/04 - 04/29/05  
 0003DA 04/30/05 - 04/29/06  
 0003DG 04/30/05 - 04/29/06  
 0003DN 04/30/05 - 04/29/06  
 0003DU 04/30/05 - 04/29/06  
 0004AA 04/30/06 - 04/29/07  
 0004AG 04/30/06 - 04/29/07  
 0004AN 04/30/06 - 04/29/07  
 0004AU 04/30/06 - 04/29/07  
 0006AA 04/30/06 - 04/29/07  
 0006AG 04/30/06 - 04/29/07  
 0006AN 04/30/06 - 04/29/07  
 0006AU 04/30/06 - 04/29/07

The period of performance for the Award Term Items, if earned and retained, are from date of award term obligation through twelve months thereafter, estimated at:

0004BA 04/30/07 - 04/29/08  
 0004BG 04/30/07 - 04/29/08  
 0004BN 04/30/07 - 04/29/08  
 0004BU 04/30/07 - 04/29/08  
 0004CA 04/30/08 - 04/29/09  
 0004CG 04/30/08 - 04/29/09  
 0004CN 04/30/08 - 04/29/09  
 0004CU 04/30/08 - 04/29/09  
 0004DA 04/30/09 - 04/29/10

CONTRACT NO.	DELIVERY ORDER NO.	PAGE
N00024-01-D-7026	0005	34 OF 40

0004DG 04/30/09 - 04/29/10  
 0004DN 04/30/09 - 04/29/10  
 0004DU 04/30/09 - 04/29/10  
 0004EA 04/30/10 - 04/29/11  
 0004EG 04/30/10 - 04/29/11  
 0004EN 04/30/10 - 04/29/11  
 0004EU 04/30/10 - 04/29/11  
 0006BA 04/30/07 - 04/29/08  
 0006BG 04/30/07 - 04/29/08  
 0006BN 04/30/07 - 04/29/08  
 0006BU 04/30/07 - 04/29/08  
 0006CA 04/30/08 - 04/29/09  
 0006CG 04/30/08 - 04/29/09  
 0006CN 04/30/08 - 04/29/09  
 0006CU 04/30/08 - 04/29/09  
 0006DA 04/30/09 - 04/29/10  
 0006DG 04/30/09 - 04/29/10  
 0006DN 04/30/09 - 04/29/10  
 0006DU 04/30/09 - 04/29/10  
 0006EA 04/30/10 - 04/29/11  
 0006EG 04/30/10 - 04/29/11  
 0006EN 04/30/10 - 04/29/11  
 0006EU 04/30/10 - 04/29/11  
 0007AA 04/30/11 - 04/29/12  
 0007AG 04/30/11 - 04/29/12  
 0007AN 04/30/11 - 04/29/12  
 0007AU 04/30/11 - 04/29/12  
 0009AA 04/30/11 - 04/29/12  
 0009AG 04/30/11 - 04/29/12  
 0009AN 04/30/11 - 04/29/12  
 0009AU 04/30/11 - 04/29/12

CONTRACT NO.	DELIVERY ORDER NO.	PAGE
N00024-01-D-7026	0005	35 OF 40

## SECTION G CONTRACT ADMINISTRATION DATA

Task Order Manager  
Andrew J. Smith, PMS422P  
2341 Jefferson Davis Hwy  
Arlington, VA 22202  
smithaj@navsea.navy.mil  
703-872-3514

CONTRACT NO.	DELIVERY ORDER NO.	PAGE	OF	40
N00024-01-D-7026	0005	36		

## SECTION H SPECIAL CONTRACT REQUIREMENTS

NAVSEA 5252.232-9104 ALLOTMENT OF FUNDS (MAY 1993)

(a) This task order is incrementally funded with respect to both cost and fee. The amount(s) presently available and allotted to this task order 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 task order 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:

(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 task order 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) CLIN/SLINs 0001AB, 0001AH, 0001AN, 0003AA, 0003AB, 0003AG and 0003AN are fully funded and performance under these CLINs/SLINs is subject to the clause of this contract entitled "LIMITATION OF COST" (FAR 52.232-20) or "LIMITATION OF COST (FACILITIES)" (FAR 52.232-21), as applicable.

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

NAVSEA 5252.216-9122 LEVEL OF EFFORT (DEC 2000)

(a) The Contractor agrees to provide the total level of effort specified in the next sentence in performance of the work described in Sections B and C of this contract. The total level of effort for the performance of this contract is estimated at 751,450 total man-hours of direct labor for the base year plus four option years (79.1 man-years per year times 1,900 man-hours per man-year), 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 8,317 man-hours are uncompensated effort.

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

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

(d) The level of effort for this contract shall be expended at an average rate of approximately 2,890 hours per week. It is understood and agreed that the rate of

CONTRACT NO.	DELIVERY ORDER NO.	PAGE	OF	40
N00024-01-D-7026	0005	37		

man-hours per month may fluctuate in pursuit of the technical objective, provided such fluctuation does not result in the use of the total man-hours of effort prior to the expiration of the term hereof, except as provided in the following paragraph.

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

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

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

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

or (ii) subject to the provisions of the clause of this contract entitled "LIMITATION OF COST" (FAR 52.232-20) or "LIMITATION OF COST (FACILITIES)" (FAR 52.232-21), as applicable, require the Contractor to continue to perform the work until the total number of man-hours of direct labor specified in paragraph (a) above shall have been expended, at no increase in the fee of this contract.

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

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

(j) Unless the Contracting Officer determines that alternative worksite arrangements are detrimental to contract performance, the Contractor may perform up to 10% of the hours at an alternative worksite, provided the Contractor has a company-approved alternative work

CONTRACT NO.	DELIVERY ORDER NO.	PAGE		
N00024-01-D-7026	0005	38	OF	40

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

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

#### NAVSEA 5252.242-9115 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.

CONTRACT NO.	DELIVERY ORDER NO.	PAGE
N00024-01-D-7026	0005	39 OF 40

## SECTION I CONTRACT CLAUSES

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

(a) The Government may extend the term of this delivery order by written notice(s) to the Contractor within the periods specified below. If more than one option exists, each option is independent of any other option, and the Government has the right to unilaterally exercise any such option whether or not it has exercised other options.

Item	Latest Option Exercise Date
Base year Items	30 Nov 02
0001BA through 0001BU	31 Mar 03
0001CA through 0001CU	31 Mar 04
0001DA through 0001DU	31 Mar 05
0003BA through 0003BU	31 Mar 06
0003CA through 0003CU	31 Mar 03
0003DA through 0003DU	31 Mar 04
0004AA through 0004AU	31 Mar 05
0006AA through 0006AU	31 Mar 06

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

CONTRACT NO.	DELIVERY ORDER NO.	PAGE
N00024-01-D-7026	0005	40 OF 40

## SECTION J LIST OF ATTACHMENTS

Attachment 1, Award Fee Clause  
Attachment 2, Award Term Clause  
Attachment 3, Financial Accounting Data Sheets