

DELIVERY ORDER

FINAL

1. CONTRACT NO. N00178-04-D-4119	2. DELIVERY ORDER NO. EHP613	3. EFFECTIVE DATE ORIG 09/15/2005 MOD 02/07/2007	4. PURCHASE REQUEST NO. N65540-07-MR-57082
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5. ISSUED BY NSWC, CARDEROCK DIVISION, PHILADELPHIA Stephen M Orczewski 3351 NAVSSSES Philadelphia, PA 19112-1403 stephen.orczewski@navy.mil 215-897-7062 Ext.	CODE N65540	6. ADMINISTERED BY DCMA SOUTHERN VIRGINIA 190 BERNARD ROAD, BLDG 117 FORT MONROE, VA 23651	CODE S5111A
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7. CONTRACTOR AMSEC LLC 2829 Guardian Lane Virginia Beach, VA 23452	CODE 1LT84	FACILITY	8. DELIVERY DATE See Section F
			9. CLOSING DATE/TIME
			SET ASIDE TYPE
			10. MAIL INVOICES TO See Section G

11. SHIP TO See Section D	12. PAYMENT WILL BE MADE BY DFAS Columbus Center, South Entitlement Operations P.O. Box 182264 Columbus, OH 43213	CODE HQ0338
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13. TYPE OF ORDER	<input type="checkbox"/> D	<input checked="" type="checkbox"/> X	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above-numbered contract.
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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.

AMSEC LLC



NAME OF CONTRACTOR SIGNATURE TYPED NAME AND TITLE DATE SIGNED

14. ACCOUNTING AND APPROPRIATION DATA
See Section G

15. ITEM NO.	16. SCHEDULE OF SUPPLIES/SERVICES	17. QUANTITY ORDERED/ACCEPTED*	18. UNIT	19. UNIT PRICE	20. AMOUNT
See the Following Pages					

*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: Robert R Colot CONTRACTING/ORDERING OFFICER	02/12/2007	22. TOTAL \$3,896,184.00
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SECTION	DESCRIPTION	SECTION	DESCRIPTION
B	SUPPLIES OR SERVICES AND PRICES/COSTS	H	SPECIAL CONTRACT REQUIREMENTS
C	DESCRIPTION/SPECS/WORK STATEMENT	I	CONTRACT CLAUSES
D	PACKAGING AND MARKING	J	LIST OF ATTACHMENTS
E	INSPECTION AND ACCEPTANCE		
F	DELIVERIES OR PERFORMANCE		
G	CONTRACT ADMINISTRATION DATA		

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This Task Order is hereby modified to authorize payment via the DOD Wide Area Workflow in accordance with the clause CAR-G11 below. CAR-G11 hereby replaces CAR-G10 in section G of the Task Order.

CAR-G11 INVOICE INSTRUCTIONS (OCT 2006) (NSWCCD)

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

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

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

(d) The following information regarding invoice routing is provided for completion of the invoice in WAWF:

WAWF Invoice Type	Cost Vouchers
Issuing Office DODAAC	N65540
Admin DODAAC	S5111A
Inspector DODAAC (if applicable)	N/A
Acceptor DODAAC	N65540
LPO DODAAC (if applicable)	N/A
Pay DODAAC:	HQ0338
DCAA Auditor DODAAC (if applicable)	HAA47B

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

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

Send Additional Email Notification To:

thomas.a.smith1@navy.mil

(f) The contractor shall submit invoices for payment per contract terms and the government shall process invoices for payment per contract terms.

(g) If you have any questions regarding WAWF, please contact the WAWF helpdesk at the above 1-866 number or the NSWCCD WAWF point of contact Brian D. White at (301) 227-1172 or brian.d.white@navy.mil.

(End of Clause)

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

SECTION B SUPPLIES OR SERVICES AND PRICES

CLIN - SUPPLIES OR SERVICES

For Cost Type Items:

1000 Integrated Logistic Support Services

Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
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1000AA	SAME AS 1000 Amounts are for currently unfunded elements (OTHER)		1.0 Lot			
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Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
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1000AB	SAME AS 1000 Funds accommodate (O&MN,N)		1.0 Lot			
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Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
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1000AC	SAME AS 1000 Funds accommodate (O&MN,N)		1.0 Lot			
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Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
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1000AD	SAME AS 1000 Funds accommodate (SCN)		1.0 Lot			
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Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
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1000AE	SAME AS 1000 Funds accommodate (SCN)		1.0 Lot			
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Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
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1000AF	SAME AS 1000 Funds accommodate (SCN)		1.0 Lot			
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Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
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1000AG	SAME AS 1000 Funds accommodate (O&MN,N)		1.0 Lot			
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Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
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1000AH	SAME AS 1000 Funds accommodate (OPN)		1.0 Lot			
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Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
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1000AJ	SAME AS 1000 Funds accommodate (O&MN,N)		1.0 Lot			
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Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
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1000AK	SAME AS 1000 Funds accommodate (SCN)		1.0 Lot			
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Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
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1000AL	SAME AS 1000 Funds accommodate (WCF)		1.0 Lot			
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Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
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1000AM	SAME AS 1000 Funds accommodate (WCF)		1.0 Lot			
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Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
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1000AN	SAME AS 1000 Funds accommodate (SCN)	1.0 Lot				
Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
1000AP	SAME AS 1000 Funds accommodate (SCN)	1.0 Lot				
Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
1000AQ	SAME AS 1000 Funds accommodate (O&MN,N)	1.0 Lot				
Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
1000AR	SAME AS 1000 Funds accommodate (RDT&E)	1.0 Lot				
Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
1000AS	SAME AS 1000 Funds accommodate (SCN)	1.0 Lot				
Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
1000AT	SAME AS 1000 Funds accommodate (O&MN,N)	1.0 Lot				
Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
1000AU	SAME AS 1000 Funds accommodate (O&MN,N)	1.0 Lot				
Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
1000AV	SAME AS 1000 Funds accommodate (O&MN,N)	1.0 Lot				
Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
1000AW	SAME AS 1000 Funds accommodate (O&MN,N)	1.0 Lot				
Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
1000AX	SAME AS 1000 Funds accommodate (O&MN,N)	1.0 Lot				
Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
1000AY	SAME AS 1000 Funds accommodate (O&MN,N)	1.0 Lot				
Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
1000AZ	SAME AS 1000 Funds accommodate (O&MN,N)	1.0 Lot				
Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
1000BA	SAME AS 1000 Funds accommodate (OPN)	1.0 Lot				
Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
1000BB	SAME AS 1000 Funds accommodate (O&MN,N)	1.0 Lot				
Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
1000BC	SAME AS 1000 Funds accommodate (RDT&E)	1.0 Lot				

Item	Supplies/Services	Qty	Unit	Est. Cost	Fixed Fee	CPFF
1000BD	SAME AS 1000 Funds accommodate (SCN)		1.0 Lot	██████████	██████████	██████████
1000BE	SAME AS 1000 Funds accommodate (O&MN,N)		1.0 Lot	██████████	██████████	██████████
1000BF	SAME AS 1000 Funds accommodate (OPN)		1.0 Lot	██████████	██████████	██████████
1000BG	SAME AS 1000 Funds accommodate (SCN)		1.0 Lot	██████████	██████████	██████████
1000BH	SAME AS 1000 Funds accommodate (WCF)		1.0 Lot	██████████	██████████	██████████
1000BJ	SAME AS 1000 Funds accommodate (O&MN,N)		1.0 Lot	██████████	██████████	██████████
1000BK	SAME AS 1000 Funds accommodate (SCN)		1.0 Lot	██████████	██████████	██████████
1000BL	SAME AS 1000 Funds accommodate (O&MN,N)		1.0 Lot	██████████	██████████	██████████

For ODC Items:

Item	Supplies/Services	Qty	Unit	Est. Cost
3000	Support Cost for SLIN 0001 Travel estimated at \$270,000 and material estimated at \$270,000			██████████
3000AA	SAME AS 3000 Funds accommodate (OTHER)		1.0 Lot	██████████
3000AB	SAME AS 3000 Funds accommodate (SCN)		1.0 Lot	██████████
3000AC	SAME AS 3000 Funds accommodate (O&MN,N)		1.0 Lot	██████████
3000AD	SAME AS 3000 Funds accommodate (O&MN,N)		1.0 Lot	██████████
3000AE	SAME AS 3000 Funds accommodate (O&MN,N)		1.0 Lot	██████████
3000AF	SAME AS 3000 Funds accommodate (SCN)		1.0 Lot	██████████
3000AG	SAME AS 3000 Funds accommodate (O&MN,N)		1.0 Lot	██████████
3000AH	SAME AS 3000 Funds accommodate (RDT&E)		1.0 Lot	██████████

3000AJ	SAME AS 3000 Funds accommodate (O&MN,N)	1.0 Lot	████████
3000AK	SAME AS 3000 Funds accommodate (O&MN,N)	1.0 Lot	████████
3000AL	SAME AS 3000 Funds accommodate (O&MN,N)	1.0 Lot	████████
3000AM	SAME AS 3000 Funds accommodate (WCF)	1.0 Lot	████████
3000AN	SAME AS 3000 Funds accommodate (O&MN,N)	1.0 Lot	████████
3000AP	SAME AS 3000 Funds accommodate (SCN)	1.0 Lot	████████
3000AQ	SAME AS 3000 Funds accommodate (O&MN,N)	1.0 Lot	████████

LEVEL OF EFFORT:

(a) The total level of effort required under the proposed task order is estimated to be ██████████ hours of direct labor over a twelve month period. Direct hours include subcontracted labor hours, but do not include holiday, sick leave, vacation and other absence hours.

(b) For purposes of preparing a cost proposal, the offeror should assume that the following number and mix of labor hours will be required.

LABOR CATEGORY	LABOR HOURS
Program Manager	████████
Senior Engineer	████████
Engineer	████████
Project Engineer	████████
Senior Engineering Technician	████████
Engineering Technician	████████
Logistician	████████
Quality Assurance Specialist	████████
Technical Illustrator	████████
Technical Writer	████████
Engineering Aide	████████
Systems Engineer	████████
Systems Analyst	████████
Program Analyst	████████
Programmer	██████
CAD/CAM Operator	████████
Typist	████████
Data Transcriber	████████
Senior Curriculum Developer	██████
Junior Curriculum Developer	██████

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Instructional Analyst	████████
Senior Multimedia Specialist	████████
Junior Multimedia Specialist	████████
Instructional Technologist	████████
3D Modeler/Animator	████████
Graphic Design Artist	████████
Video Audio Technician	████████
SGML/XML Expert	████████
Content@ Programmer	████████
TOTAL DIRECT LABOR	████████████████

Additional SLINs will be unilaterally created by the Contracting Officer during the performance of this Task Order to accommodate the multiple types of funds that will be used under this Order.

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SECTION C DESCRIPTIONS AND SPECIFICATIONS

This is a performance based statement of work. The effort performed hereunder will be evaluated in accordance with the performance standards/acceptable quality levels described below and the evaluation methods described in provision CAR H07 in Section H.

Statement of Work

1. SCOPE

This statement of work establishes the level of effort required for the furnishing of integrated logistics support services for Hull, Mechanical and Electrical (HM&E) technical data development, maintenance and management. This support requires the contractor to provide technical data packages and other data support, technical data conversion, distribution of technical data, management of technical data, miscellaneous technical data systems support, data protection, general support of joint logistics products and processes, and the design development, testing and fielding support of joint technical data integration. The overall effort is in support of the Operational Sequencing System, Technical Manual, Planned Maintenance System/Class Maintenance Plan, and Supply Support.

2. REFERENCES

- (a) MIL-P?24534A PMS Development Specification dated 7 May 1985
< <http://www.ftsepac.navy.mil/Dept400/401COPY/RefDocs/c-2-2-4.pdf>>
- (b) EIA Standard 649 <<http://www.geia.org/836>>
- (c) MIL-PRF-49506 dated 11 Nov 1996 Logistic Management Information
<<http://dodssp.daps.mil>>
- (d) MIL-HBK-502 dated 30 May 1997 <<http://dodssp.daps.mil>>
- (e) SL790?AC?SPN?010 /CMP, Class Maintenance Plan (CMP) {provided as enclos}
- (f) Provisioning, Allowance & Fitting Out Support (PAFOS) Manual,
Chapter 4 <[http://www.nslc.navsea.navy.mil/nslcprod/pafos.nsf/current/A4/\\$file/Chapter4.doc](http://www.nslc.navsea.navy.mil/nslcprod/pafos.nsf/current/A4/$file/Chapter4.doc)>
- (g) Navy Cals DTD repository <<http://navysgml.dt.navy.mil/repository.html>>
- (h) MIL-DTL-81927C, dated 26 Nov 1997, Manuals, Technical: General Style And Format Of (Work Package Concept) <<http://astimage.daps.dla.mil/quicksearch>>
- (i) MIL-STD-38784(1), dated 1 Dec 2000, Standard Practice for Manuals, Technical: General Style and Format <<http://astimage.daps.dla.mil/quicksearch>>
- (j) MIL-PRF-87269A dated 15 Aug 2000, Data Base, Revisable - Interactive Electronic Technical Manuals
<<http://astimage.daps.dla.mil/quicksearch>>
- (k) NAVSEA C2 DTD <<http://navysgml.dt.navy.mil/repository.html>>
- (l) EOSS DTD <<http://navysgml.dt.navy.mil/repository.html>>
- (m) MIL-DTL-24784 Manuals, Technical: General Acquisition and Development Requirements <<http://astimage.daps.dla.mil/quicksearch>>
- (n) S0005-AA-PRO-010/TMMP: NAVSEA/SPAWAR TMMP Operations and Life Cycle Support Procedures <<http://nsdsa.phdnswc.navy.mil/tmmp/tmmp-documents.asp>>
- (o) S0005-AA-GYD-030 Guide for User Maintenance of NAVSEA Technical Manuals
<<http://nsdsa.phdnswc.navy.mil/tmmp/tmmp-documents.asp>>
- (p) S0005-AA-GYD-070 Guide for Quality Assurance of NAVSEA Technical Manuals

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<<http://nsdsa.phdnswc.navy.mil/tmmpltmmp-documents.asp>>

(q) S0300-AX-GYD-010 Hull, Mechanical and Electrical Equipment/Systems

Technical Manual Production and Style Guide

<<http://nsdsa.phdnswc.navy.mil/tmmpltmmp-documents.asp>>

(r) S0005-AD-PRO-010 Interactive Electronic Technical Manuals (IETM) Process Plan

<<http://nsdsa.phdnswc.navy.mil/tmmpltmmp-documents.asp>>

(s) PMS DTD <<http://navysgml.dt.navy.mil/repository.html>>

(t) Directions for Preparing Responses to PMS Technical Feedback Reports (CDNSWC publications; provided as enclosure)

(u) EOSS development handbook <<http://eoss.navsses.navy.mil>>

(v) ATIS Compatibility Testing Procedures <http://nsdsa.phdnswc.navy.mil/tmmpltmmp-documents.asp>

(w) Navy E-Learning Content Specifications Version 1.0, Available at <http://www.navylearning.com>

(x) Sharable Content Object Reference Model (SCORM) Version 1.2 Conformance Requirements. Available at <http://www.adlnet.org>

(y) NAVEDTRA 130A - Task Based Curriculum Development Manual

(z) NAVEDTRA 131A - Personnel Performance Profile Curriculum Development Manual

3. REQUIREMENTS

The contractor shall furnish services and products in support of the following programs:

- Technical Manuals (TMs)
- Planned Maintenance System/Class Maintenance Plan(PMS/CMP)
- Operating Sequencing System (OSS)
- Technical Data Knowledge Management (TDKM) System Functional Expansion and Implementation Support
- Technical Data Migration to S1000 Issue 2 and MIL-DTL-24784C
- New Processes for Organic Life Cycle Maintenance of Technical Data Products
- Training Services/Curriculum Development

3.1 TASK AREAS

Task areas requiring contractor support are defined.

3.1.1 Technical Manuals (TMs)

The TM branch supports the US Navy Fleet by providing services as the Technical Manual Maintenance Activity (TMMA) for approximately 15,000 NAVSEA HM&E technical manuals. Services include developing, updating and maintaining of paper legacy TMs and interactive hypertext linked to TMs. The Interactive Electronic Technical Manuals (IETM) are currently distributed on CD-ROMS and placed on servers for viewing by ship and shore activities via secured sites.

3.1.1.1 Develop TMs

Develop Interactive Electronic Technical Manuals (IETM) and hardcopy TMs for selected HM&E ship systems. Paper TMs will be developed using the appropriate references delineated in paragraph 2. IETMs may be developed by authoring in SGML or by sharing of SGML content from already developed SGML tagged TMs. The government will determine the class of IETM development necessary as delineated in paragraph 2, reference (t). Paragraph 2, references (l) through (p) will be used for IETMs. For each TM task, the Government will furnish the Contractor with the latest TMCR to identify what is required. Specific TM and IETM guidance is contained in but not limited to guidance found at <<http://nsdsa.phdnswc.navy.mil/>>. NSWCCD-SSES internal procedures will be furnished as required. Forty new manuals per year are estimated. It is also estimated that 10% of the work involves travel to Newport News, VA; 10% of the work

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involves travel to Bangor, Washington; and 10% of the work involves travel to Philadelphia, PA.

3.1.1.2 Update/Maintain TMs

- Revise and change IETMs and hardcopy TMs to reflect TM feedbacks (TMDERs) NAVSEA/NSWCCD advisories and trip reports, hardware configuration changes resulting from alteration installations, and improvement and standardization programs via paper or electronically. Develop and prepare correspondence to TMDER originators as required by individual task instructions. It is estimated that TMDERs and similar TM changes will be provided at a rate of 350 per year and no travel will be involved.

- Convert paper copies of TMs to SGML files, as required, using the latest or required version of the NAVSEA C2 DTD that may be viewed at <<http://navysgml.dt.navy.mil/repository.html>>. The Contractor shall use the latest version of ArborText to edit the SGML files if required, publish using NAVSEA Publishing System and provide a linked PDF file. It is estimated that 300 TMs per year will be converted and no travel will be involved.

- Update SGML files using the latest version of ArborText editor to reflect issued TM changes. All updates shall be performed using the NSWCCD-SSES JCALS server and modifying the instance or instances of the SGML file required. It is estimated that TM changes will be provided at a rate of 100 per year and no travel will be involved.

- Perform and track data collection efforts for items such as TMs and logistic support technical documentation. Duplication of thousands of data items is required. Sources for data collection of TMs will be identified as GFI. Estimate 100 man days will be required with 25% travel to Philadelphia.

- Develop drawings and illustrations on Computer Aided Design (CAD) networks that are compatible with Navy computer aided logistic support (CALs) requirements. Develop other drawings using industry standard drafting techniques. It is estimated that 50 drawings per year will be required and no travel will be involved.

3.1.2 Planned Maintenance System/Class Maintenance Plan (PMS/CMP)

The PMS/CMP program is used throughout the US Navy Fleet to maintain the reliability of installed equipment by providing maintenance procedures for shipboard equipment. This program provides support as in-service-engineering authority for HM&E shipboard systems, and is responsible for the technical content of PMS/CMP procedures for shipboard equipment.

3.1.2.1 Develop PMS/CMP

Develop Planned Maintenance System(PMS) Maintenance Index Pages (MIPs) and Maintenance Requirements Cards (MRCs) using New PMS Editor (NPE) for HM&E ship systems. Estimate 400 man hours per year will be required with 5% travel to Philadelphia. Develop Class Maintenance Plan (CMP) tasks for HM&E ship systems. PMS specific guidance is contained in, but is not limited to the following:

- MIL-P?24534A PMS Development Specification dated 7 May 1985

- CMP specific guidance is contained in NAVSEA Tech Spec

SL790?AC?SPN?010 /CMP, Class Maintenance Plan (CMP) preparation for surface ships (provided as enclosure).

3.1.2.2 Update PMS/CMP

Estimate 400 man hours per year will be required with 5% travel to Philadelphia. Update PMS/CMP (using NPE for PMS) in accordance with the following:

- Directions for Preparing Responses to PMS Technical Feedback Reports (CDNSWC publications; provided as enclosure)

- MIL-P?24534A PMS Development Specification dated 7 May 1985

- NAVSEA Tech Spec SL790-AC-SPN-010/CMP, Class Maintenance Plan (CMP) preparation for surface ships (provided as enclosure).

3.1.3 Operating Sequencing System (OSS)

The purpose of OSS is to provide US Navy shipboard engineering personnel with technically correct, logically sequenced written procedures, charts and diagrams tailored to each ship's specific configuration. OSS dictates the procedures to be followed to complete major plant status changes. The use of OSS ensures

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proper system and equipment operation and minimizes damage to equipment and injury to personnel.

3.1.3.1 Develop OSS

Generate Operating Sequencing System (OSS) for selected HM&E ship systems. Specific guidance is contained in the EOSS development handbook and the prototype package, which will be cited in the delivery order. Estimate 3 – 5 new ships per year. Estimate 20% travel to Pascagoula, MS and Bath, ME.

3.1.3.2 Update OSS

Revise OSS to reflect the following:

- a. Authorized ship alterations installed during depot maintenance periods or equivalent. During the maintenance periods, shipboard configurations will be modified; Ship checks are conducted in order to validate changes to EOSS procedures due to these modified alterations. Estimate 100 ships per year. Estimate 10% travel to Norfolk VA, Ingleside CA, Pascagoula MS, Bath ME, San Diego CA, Bremerton WA.
- b. Approved Procedure Changes (APCs) issued by letter by NSWCCD SSES. Estimate 100 – 200 year with no travel.
- c. Changes in response to OSS feedbacks and NAVSEA (Naval Sea Systems Command) advisories. Estimate 1200 – 1500 per year with no travel.

3.1.4 TDKM System Functional Expansion and Implementation Support

Extend TDKM capability to support the development, delivery and maintenance of ATIS-based engineering drawings, associated core Advanced Technical Information System (ATIS) index files, and the supporting Ship's Drawing Index (SDI). Estimate that the first year, approximately 1500 man hours will be needed and following years are estimated to require 1200 man hours. This work is estimated to involve 50% system engineer, 15% program manager, and 35% systems analyst with 25% travel to Philadelphia.

- Develop and prototype extensions of the TDKM Retailer to support TDKM and Shipboard Non-tactical Application Delivery Interface System (SNADIS) retail functionality at user work site not serviced by connected computer outlets. This includes configuration-managed synchronization, secure on-line connectivity, and device-specific data authentication for various types of mobile devices capable of being operated on Naval ships.
- Develop and prototype Dynamic Data Reuse technology which permits TDKM distribution and knowledge management of two versions of technical data objects, one the original source version and the other an alternative rendering of that source for purposes of reuse; and to maintain a two way automated mapping between the two versions so as to maintain the synchronization of the content of two versions when changes or edits are made to either of the versions. Develop separate capability to operate on the TDKM Document Operations Center (DOC) and on the TDKM Retailer.
- Conduct future-looking concept development and feasibility analysis for expansion of the TDKM core infrastructure software. Document a Proposed Concept of Operations (CONOPS) and feasibility reports. Develop recommendations for future expansion of TDKM to meet anticipated Navy requirement to support shipboard units with expanded technical data content and other resources.
- Extend the functionality of the Document Operations Center (DOC) of the TDKM wholesaler beyond existing core document storage and retrieval capabilities.
- Provide an extended TDKM capability as an operational component of Distance Support.

3.1.5 Technical Data Migration to S1000D Issue 2 and MIL-DTL-24784C

It is estimated that that 1700 man hours of effort will be required in the twelve months of task order performance. It is also estimated that approximately 15% will be program manager, 40% will be SGML/XML expert and 45% will be logistician with 25% travel to Philadelphia.

- Analyze and apply methods and approaches for converting NAVSEA IETMs to S1000D format.
- Convert selected surface IETMs to S1000D format, identify technical problems and issues, and provide recommendations for future conversion efforts.
- Convert selected submarine IETMs to S1000D format, identify technical problems and issues, and provide recommendations for future conversion efforts.

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- Assess the suitability of S1000D training requirements to support technical training products.
- Evaluate and apply emerging/advanced data conversion concepts and support for military IETMs including validation of converted products.
- Analyze and apply methods and approaches for converting NAVSEA IETMs to MIL-DTL-24784C format.
- Convert selected surface IETMs to MIL-DTL-24784C format, identify technical problems and issues, and provide recommendations for future conversion efforts.

3.1.6 New Processes for Organic Life Cycle Maintenance of Technical Data Products

It is estimated that 1000 man hours of effort will be required in the twelve months of task order performance. It is also estimated that approximately 10% will be program manager, 20% will be SGML/XML expert, 30 % will be systems engineer, 20% will be Content@ programmer and 20% will be logistician with 25% travel to Philadelphia.

- Develop a common approach to develop, deliver and maintain emerging vector graphic capabilities (e.g. Computer Graphics Metafile (CGM), Scalable Vector Graphics (SVG)) into Navy IETMs.
- Extend Navy content@ Content Management System capabilities to more closely integrate with the TDKM architecture and functionality.
- Evaluate and apply emerging/advanced electronic publishing concepts and support for military IETMs.
- Provide logistics processes expert technical support to NAVSEA Philadelphia to improve Logistics processes and Logistics Information Technology (IT) systems for the life cycle management of Navy Logistics Technical Data to enable the effective and efficient management of Logistic Technical Data and to prepare for the transition to Navy ERP. Assist NAVSEA Philadelphia in support to the Echelon I and II Functional Area Manager and Functional Data Manager. Provide Subject Matter Expert (SME) support for all aspects of technical data development, maintenance and distribution.
- Provide expert technical support for the maintenance of and enhancement to the Navy's Publishing Application (NPA) at NAVSEA Philadelphia for authoring and publishing capabilities related to the Navy's Technical Manuals (TMs), the Planned Maintenance System (PMS) and the Engineered Operating Sequencing documentation. Based on user input and ever changing requirements, the Navy needs to continuously maintain and update the NPA. These enhancements are required to provide additional capabilities to the user community. Specific efforts include: merge in new Technical Data types requiring customizations of DTDs; provide upload WEB capability for PMS data; develop links to and integration with the Navy Enterprise Resource Planning (ERP) application; custom tools maintenance; train new users; provide for the conversion for Standard Generalized Markup Language (SGML) content to Extensible Markup Language (XML) content; modify XML Professional Publisher (XPP) to provide same outputs from XML (XSLT's) as previously done for SGML; navigation aid for the web client ("bookmark"); concatenated export to PC via the thin client; test and validate all software enhancements to the NPA.

3.1.7 Training Services/Curriculum Development

Training services will require development of, and modifications to, existing Authoring Instructional Material (AIM) I and AIM II software based curricula; Equipment Facility Requirements (EFR) development; Navy Training System Plans (NTSP) development and modification; performing course analysis on existing training and on proposed training; Computer Based Training (CBT)/Interactive Courseware (ICW) Development and modification; development of training on Electronic Media such as PowerPoint or similar software; converting existing training media from Analog to Digital; Reproducing or duplicating of electronic training media. The contractor may also be tasked to provide Technical Training Equipment (TTE) in support of curriculum development efforts. The contractor may also be tasked to provide logistical support personnel to audit training courses, training manuals, and training aids at the various Navy schools. Estimate 2000 man hours. Estimate 5% travel to each; San Diego CA, Chicago IL, and Norfolk VA.

3.2 TASKS

The tasks required to be performed by the contractor, in support of the requirements, and as described in paragraph 3.1 (Task Areas), are to provide technical data package and other data support, technical data conversion, distribution and management of technical data, miscellaneous technical data systems support, data protection, general support of joint logistics products and processes, and the design development, testing

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and fielding support of joint technical data integration.

3.2.1 Technical Data Package and Other Data Support.

3.2.1.1 As specified by the individual task instructions, the Contractor shall be required to prepare a data package to meet the requirements of the individual task instructions. The Contractor shall review Government furnished technical data and verify completeness, identify missing or incomplete data, and bring drawing standards into compliance with the requirements of the individual task instructions. The Contractor shall recommend specifications, performance thresholds, suitable military specifications of components in the Navy supply system, methods of testing, cleaning, inspection, and packaging to meet the specifications of the individual task instructions and provide the Government with the rationale for making such recommendations. If deemed necessary by the Government, the associated equipment will be supplied to the Contractor, as Government Furnished Equipment (GFE), to enable him to complete the task to the requirements specified in the individual task instructions. Before acceptance by the Government, the technical data package shall meet the criteria specified by individual task instructions.

3.2.1.2 As specified by individual task instructions, the Contractor shall review technical data packages (furnished as Government Information((GFI)) for technical accuracy, prepare subsequent changes for inclusion to the technical data package, make recommendations for changes with supporting rationale, and upon approval by the Government, incorporate the changes in the technical data package. The Contractor shall evaluate the changes for their immediate or potential impact upon the data package. Delivered data packages shall comply with the requirements specified by the individual task instructions. Individual task instructions may require that a specific application software package be used to generate the data (e.g. AutoCAD, ISO Draw, Content@, Interleaf, or Arbortext). It may require compliance with the Continuous Acquisition and Logistics Support (CALs) initiative, with the data to be delivered in one or more of the following formats: Standard Generalized Mark-up Language (SGML), Initial Graphics Exchange Specification (IGES), Computer Graphics Metafile (CGM), or International Consultative Committee on Telegraphy and Telephony (CCITT-4) and it may require the data to be delivered on tape or CD-ROM medium. The contractor shall also be able to scan existing manually prepared drawings and specifications, and perform change maintenance utilizing computer aided drafting software. The contractor shall have the capability to deliver the data files as intelligent databases and/or viewing files as specified in the individual task instructions.

3.2.1.3 The Contractor shall have the ability to obtain approved access to JCALS <<https://nvsslweb.navsses.navy.mil/>> and Technical Data Management Information System <<http://nsdsa.phdnswc.navy.mil/>>. The contractor will be required to access NSWCCD-SSES Technical Data servers and obtain the latest version of ArborText editing software. The Contractor must have a high speed broadband Internet access at all locations/offices.

3.2.1.4 As specified by individual task instructions, the Contractor shall utilize GFI to prepare technical documentation to support various systems and programs. This documentation shall include, but will not be limited to engineering systems user guides, application notes, installation drawings and checkout procedures, technical directives, and technical bulletins. The Contractor shall ensure that the resulting documentation is accurate and complies with the technical source information. The original source data may not be in the format required for the final product specified by the individual task instructions.

3.2.1.5 As specified by the individual task instructions, the Contractor shall review and provide comments on technical data packages for associated product reproducibility in accordance with individual task instructions. The Contractor shall examine the technical data packages for compliance with part specifications, dimensioning and tolerancing, manufacturing processes, quality assurance procedures (including tests and inspections), proprietary parts or processes, and drawing practices as specified by the individual task instructions.

3.2.1.6 As specified by individual task instructions, the Contractor shall review technical data packages describing configuration items acquired by the Government. The Contractor shall provide the requisite engineering expertise to review these technical data packages to determine their acceptability to the Government. This determination of acceptability by the Contractor shall assess the accuracy and adequacy of the technical data package, its compliance with specified requirements, its suitability for the purpose of the classification specified by the Government, and that it meets the requirements of the specified classification of the individual task instructions. The Contractor, as specified by the individual task instructions, shall take into consideration the equipment life-cycle cost, mission, contract requirements, and other data provided as

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GFI in conducting the review. The Contractor shall identify and document any aspects of the technical data package not meeting Government requirements and shall document the rationale for all determinations made on the issues listed above or as otherwise listed by the individual task instructions.

3.2.1.7 As specified by the individual task instructions, the Contractor shall prepare and deliver a plan with inspection procedures and acceptance criteria for technical data package inspections to meet the applicable provisions of the individual task instructions and provide supporting rationale for each inspection and acceptance element.

3.2.1.8 Engineering Drawings and Associated Lists. As specified by the individual task instructions, the Contractor shall prepare or modify engineering drawings and associated lists to meet the requirements of the individual task instructions. The Government will provide, as GFI, change descriptions, drawing originals, models, or rough-draft sketches. Individual task instructions will specify the required format of the drawings. Prior to delivering completed drawing packages, the Contractor shall inspect each new or modified drawing to ensure compliance with individual task instructions.

3.2.1.9 Specifications and Standards. As specified by the individual task instructions, the Contractor shall prepare, modify, or review specifications or standards. As specified by the individual task instructions, the Contractor shall review top level specifications prepared for system procurements. The Contractor shall analyze the Government's operational system requirements and compare the requirements to requirements specified in the individual task instructions. Any differences (omissions or inclusions) shall be submitted as a report to the Government. Assumptions and rationale supporting the findings shall be included. The Government will provide, as GFI, change descriptions, drawing originals, models, or rough draft. Individual task instructions will specify the required format of the specifications or standards. Prior to delivering completed specifications or standards, the Contractor shall inspect each new or modified specification or standard to ensure compliance with individual task instructions.

3.2.1.10 The contractor shall provide technical data package disclosure classification assessment of data requested under the Freedom of Information Act (FOIA) program.

3.2.1.11 The contractor shall provide curriculum and training in the areas of technical data and related configuration management activities.

3.2.1.12 Provide support to Government configuration audit teams, by verifying and documenting that Configuration Items (CI) and their configuration identification are accurate, complete (according to specified requirements), adequate to establish the product baseline, and compatible with the next higher level design documentation. Discrepancies and recommended corrective actions shall be documented according to procedures established by the audit team and submitted to the Government with the Contractor's justification for recommendations and evaluations. The contractor shall support the configuration verification and audit process which includes but is not limited to the following areas:

- Configuration verification of the initial configuration of a CI, and the incorporation of approved engineering changes, to assure that the CI meets its required performance and documented configuration requirements
- Configuration audit of configuration verification records and physical product to validate that a development program has achieved its performance requirements and configuration documentation or the system/CI being audited is consistent with the product meeting the requirements.
- The contractor shall conduct configuration audits and/or inspections to ensure conformance to and/or validation of specifications, drawings and associated lists, product data management information and reference documents which define and/or document the characteristics of the item.

3.2.1.13 Review and evaluate change proposals for impact to technical data packages, including drawing packages, specifications, associated technical documentation, product data management information and related program concerns.

3.2.2 Technical Data Conversion

The contractor shall accomplish conversion of data of various types (e.g., technical manuals, engineering drawings, program data, etc.) to other formats as described in this Statement of Work (SOW).

1. An individual task instruction may require that a specific application software package be used to generate the data (e.g. AutoCAD, ISO Draw, Content@, Interleaf, or Arbortext). It may require compliance with the Joint Continuous Acquisition and Logistics Support (JCALS) initiative, with the data to be delivered in one

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or more of the following formats:

A. Standard Generalized Mark-up Language (SGML)/Extensible Markup Language (XML). Applicable specifications and Document Type Definitions (DTDs shall be specified in individual delivery orders). Selected DTDs may include, but are not limited to:

- MIL-DTL-81927C, dated 26 Nov 1997, Manuals, Technical: General Style And Format Of (Work Package Concept)
- MIL-STD-38784(1), dated 1 Dec 2000, Standard Practice for Manuals, Technical: General Style and Format
- NAVSEA C2 DTD
- MIL-PRF-87269A dated 15 Aug 2000, Data Base, Revisable - Interactive Electronic Technical Manuals
- EOSS DTD
- PMS DTD

B. Initial Graphics Exchange Specification (IGES)

C. Computer Graphics Metafile (CGM)

D. CALS Type IV

E. Portable Document Format (PDF)

2. Delivery media (e.g., floppies, CD-ROM, FTP, etc.) will be specified in individual task instructions.

3. The Contractor shall prepare the data/media (either active or historical) for data conversion (e.g., hard copy to microfiche, drawings to microfiche, paper to digital, etc.) and process for conversion.

4. The contractor will perform an analysis of technical data including its format and content, rapidity of change, data usage, longevity of data over the program life cycle, and relationship of data to other data elements. The contractor will make recommendations to the government, based on the above criteria, concerning the type of format most appropriate for the data.

5. Conversion efforts shall include 100% quality assurance of converted products for their intended purpose. Specific levels of quality assurance will be specified in each individual task instruction.

6. The contractor will provide engineering drawing conversion by converting drawings and associated documentation from existing hardcopy formats to more advanced electronic formats and levels such as; but not limited to the following:

Level 1, Raster Image: A scan of the original hardcopy drawing.

Level 2, Raster Image plus Cleanup: Contains Level 1 output enhanced by cleanup and deskewing. Removal of unwanted entities from the original and squares the drawing.

Level 3, Converted File: Conversion of file format type to another file format type (ex. TIFF converted to PDF)

Level 4, Automatic Vectorization: Converts the drawing to a vector representation of the raster scan, creating files that can be loaded into a CAD system for editing. Layers can be created.

Level 5, Text plus Auto Vectorization: Contains Level 4 output which is enhanced by ASCII text replacing the automatically vectorized text. Text and dimensions are now recognized as text rather than vector data and can be edited. The legibility is significantly improved.

Level 6, Enhanced Vectorization: Level 6 adds intelligence to the drawing by cleaning up the vector quality. Circles, arcs, and other geometry are true and precise geometrics. Lines are continuous and layered. Objects are clear and orthogonally correct.

Level 7, CAD Perfect: Level 7 results in a specified CAD perfect file. Video tracing or direct CAD redraw are two processes that produce this level of conversion. All entries are dimensionally and orthogonally correct with fully editable vectors and text. Layers, blocks, symbols, line types and current ANSI standards are incorporated.

Level 8, CAD to CAD conversion: The conversion of one CAD application file to another application file.

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An example would be to convert a CADKEY file to AutoCAD.

Level 9, 2 Dimensional (2D) CAD Perfect Level 7 application file, to 3 Dimension (3D) Definition Model. Configuration geometry shall be modeled as full-scale (1:1) solid, surfacing or 3D wireframe techniques. The 3D definition techniques shall vary according to the type of part/assembly being presented for conversion. Data delivered to the Government will be indexed in accordance with the Engineering Drawing Conversion specification contained in individual task instructions.

7. Document and Image Processing. As specified by delivery order, the Contractor shall scan into databases (digital, CD-ROM, etc.) management and engineering documents furnished by the Government. If a government furnished system is not available, the Contractor shall provide a data retrieval system to locate and reproduce the original documents. Written operating instructions or desk book procedures may be provided with the delivery order.

3.2.3 Technical Data Distribution

The following tasks may be required in support of technical data distribution as defined in individual task instructions.

1. Contractor shall support the distribution, initial outfitting, and supply of technical data (including technical directives). Through maintenance of user profiles and organizational account data, the contractor shall determine access and distribution requirements (including correct format, media and quantity) for all technical data products in accordance with distribution statements. Contractor shall maintain history, status, and meta-data applicable to technical data. The data shall be administered and capabilities provided for ad hoc reporting, queries, sorts, etc.
2. Based on user functional requirements, the contractor shall recommend the most effective delivery method for the technical data and appropriate media.
3. Contractor shall maintain an accurate and up to date file of activity's requirements for automatic distribution and order/requisition documents for DOD and commercial sources.
4. The contractor shall support customer requests for data whether online access, softcopy, or hardcopy distribution or a combination.
5. Contractor shall provide both research and support in the management and maintenance of documentation databases and the processing of initial outfitting and requisition processing. Review specified records to determine irregularities and take appropriate corrective actions accordingly.

3.2.4 Technical Data Management

The Contractor shall provide technical data management support in accordance with requirements set forth in individual task instructions. These tasks encompass all aspects of the data management discipline. The Contractor shall work within the processes established by the Government to manage the configuration of data. The workflow will encompass four progressive status categories of digital data files.

- Working data, where the data is under the originator's control only
- Released data, where the working data has been approved by the Government has been released for its intended use, and is now subject to configuration control procedures
- Submitted data, where released data has been formally submitted to the Government for approval
- Approved data, where submitted data has been approved for its intended use by the Government

1. Data Identification. As specified by delivery order, the Contractor shall conduct an analysis of contracts and SOWs to identify and document potential data requirements. The Contractor shall request data requirements from all program participants via data call, compile received data requirements, participate in data requirements reviews, and prepare final data requirements lists. The Contractor shall prepare draft technical data requirements (including Contract Data Requirements Lists (CDRLs) and Data Item Descriptions (DIDs)), as specified in the individual task instructions.

2. Data Acquisition.

A. The Contractor shall review delivered data items for form, content, adherence to schedule, correct distribution, and compliance with the CDRLs and DIDs. The Contractor shall provide analyses and written recommendations, with supporting evidence for the recommendations, regarding Government acceptance of

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these deliverables, taking into consideration requirements provided as GFI. The Contractor may be required to accomplish this review and evaluation at the vendor's facility and prepare all documentation in accordance with specifications identified in the individual task instructions. The Contractor shall provide technical services necessary to transition master documentation from hardware contractors or other Government activities.

B. The contractor shall participate in actions required to define digital data for delivery to or access by the Government in general, and for configuration management data in particular. With interactive access, the emphasis is on Government access to contractor maintained databases.

C. The contractor shall apply configuration management principles to ensure the integrity of digital representations of product information and other data and enhance good data management practice. The concepts are described, as follows, based on elements and principles expressed in EIA Standard 649:

- Document identification
- Data status level management
- Data and product configuration relationships
- Data version control & management of review, comment, annotation, & disposition
- Digital data transmittal
- Data access control.

3. Data Tracking. As specified by individual task instructions, the Contractor shall receive and record data on both management and engineering documents. The Contractor shall be responsible for the maintenance of the data management tracking system as specified in the individual task instructions.

4. Technical Data Maintenance. As specified by individual task instructions, the Contractor shall maintain data status changes in configuration and data management systems such as, but not limited to, Configuration and Data Management Support System (CADMSS), Configuration and Data Satellite (CADSAT), AUTOSERD, or SERMIS. The Contractor shall receive, record, and input GFI documents, verify the data inputs, and return the documents for Government disposition. For existing systems, written operating instructions or desk book procedures may be provided with the individual task instructions. The Contractor shall attend working sessions to resolve problems in the areas of maintenance and operation of data management systems.

5. The contractor shall provide support to ensure that technical data access is provided in a timely manner and to ensure that it is accurate data for the customers. This support includes the evaluation and status of current technical data, and assistance in the identification, evaluation and purification of the "master" technical data.

6. The contractor shall assess life cycle logistics, technical, and production data pertinent to US Navy shipboard engineering systems, subsystems, components, equipment and support equipment. Prepare recommendations for incorporation into Management Information Systems that will accommodate on-line access and cross referencing of related information. Recommendations shall be consistent and compatible with approved NAVSEA hardware/software applications.

7. The contractor shall provide detailed information that adequately defines the proposed acquisition strategy and establishes a basis for an effective TDP management program.

8. The contractor shall conduct logistics review group audits focused upon the technical data process.

3.2.5 Miscellaneous Technical Data Systems Support

The contractor may be required to provide professional and technical system support services in the form of, but not limited to systems administration, system analyses, solution development and implementation, software and networking support to all equipment and technical data systems.

3.2.6 Data Protection

This effort is to ensure that the NAVSEA properly protects, discriminates and labels data, once it is procured and accepted, in accordance with National Security Policy and Federal Regulations. Services are required to provide subject matter expert guidance, support, and technical direction to programs and/or facilities in such areas of data disclosure, classification, distribution statements, rights in data, access and integrity. Services

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are also required to ensure that the data acquired by the government to support Logistics, Fleet Operations, and maintenance function is protected. These services include, but are not limited to, the following tasks.

1. Data Integrity Risk Assessments, Evaluations, Audits, and Testing: The contractor shall provide support for the performance of Data Integrity risk assessments, evaluations, audits, and testing of Navy, DoD, and Government facilities, systems hardware and software. The contractor shall support the Navy, DoD, and Government activities in the identification and evaluation of Data Integrity vulnerabilities of Navy, DoD, and Government facilities, systems hardware, and software. The contractor shall audit, test and evaluate the physical security of Navy, DoD, and Government facilities including those used for secure data processing, signal processing, and communications. The contractor shall utilize data from the performance of risk analyses and assessments to develop, test and implement Government approved Security Risk Management Plans for Navy, DoD, and Government systems. The contractor shall identify, gather, and compile Data Integrity risk data for the development, testing and implementation of Government approved System Security Plans for Navy, DoD, and Government systems.
2. OPSEC, COMSEC, and SIGSEC Program Planning and Development: The contractor shall provide support for Data Integrity implementation in Operations Security (OPSEC), Communications Security (COMSEC), and Signal Security (SIGSEC), and the associated Security Policy for Navy, DoD, and Government facilities, systems, hardware and software. The contractor shall support the development of Navy, DoD, and Government OPSEC, COMSEC and SIGSEC hardware, software, and documentation including policy statements, instructions, directives, and handbooks. The contractor shall review OPSEC, COMSEC and SIGSEC requirements for Navy, DoD, and Government facilities and programs and support the development and preparation of required efforts to protect technical data. The contractor shall help identify Navy, DoD, and Government OPSEC, COMSEC and SIGSEC threats, vulnerabilities and countermeasures. The contractor shall develop and maintain an inventory of security resources including hardware, software, and documentation used on various Navy, DoD, or Government programs. The contractor shall develop and maintain a database that will be used to assist in planning, budgeting, and tracking the acquisition and implementation of Data Integrity resources for major Navy, DoD, and Government acquisition programs. The contractor shall support the development of an overall Data Integrity Awareness Programs for Navy, DoD, and Government programs. The contractor shall help identify the logistics support and financial requirements for the implementation of Navy, DoD, and Government Data Integrity Awareness policy.
3. Acquisition Systems Data Protection Support: The contractor shall provide support for the implementation of Acquisition Systems Data Protection Support on Navy and DoD programs. The contractor shall develop and submit for approval Acquisition Program Protection Plans (PPPs) for the security of Navy and DoD acquisition program data. The contractor shall gather, assimilate, and analyze the information required for the development of Acquisition Program Protection Plan. The contractor shall help identify Navy and DoD system sensitive technologies and unique system features to counter foreign intelligence services (FIS) collection efforts and unauthorized disclosure of sensitive data/technologies. The contractor shall review Navy and DoD Foreign Military Sales (FMS) programs to help identify and evaluate technology. The contractor shall identify resources including personnel, equipment, facilities, and funding required in each acquisition phase for providing the level of protection proposed in the Acquisition Program Protection Plan. The contractor shall examine security classification guides, technology assessment and control plans, and delegation and disclosure authority letters to help ensure compliance with Acquisition Program Protection Plans. The contractor shall develop and maintain a database that will be used to assist in planning and tracking the requirements for the development of Acquisition Program Protection Plans and OPSEC Plans for Navy and DoD acquisition programs. The contractor shall perform all logistics and financial analyses necessary for the definition of acquisition program data protection requirements including the development of Acquisition Program Protection Plans and make recommendations based thereon.
4. Automated Information System (AIS) Security Evaluation Support: The contractor shall provide support for the implementation of Automated Information System (AIS) Security evaluation Support for Navy, DoD, and Government AIS, hardware and software. The contractor shall support the Navy, DoD, and Government activities in the evaluation of security vulnerabilities of Navy, DoD, and Government Automated Information Systems including all hardware and software. The contractor shall evaluate the effectiveness and provide recommendations for access control methodologies, hardware, and software for Navy, DoD, and Government Automated Information Systems and network resources protecting corporate data. The contractor shall evaluate the vulnerability and integrity of Navy, DoD, and Government Automated Information Systems, data and networks to software and network viruses and worms. The contractor shall

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utilize security integrity models to evaluate the vulnerability of Navy, DoD, and Government Automated Information Systems data, networks, and software. The contractor shall evaluate the design structure of Navy, DoD, and Government system software for data integrity and security vulnerabilities using Computer Aided Software Engineering (CASE) technology. The contractor shall develop, evaluate and make recommendations to maintain the adequacy of Navy, DoD, and Government facility Contingency Plans and Disaster Recovery Plans. The contractor shall support the implementation of Computer Security Certification and Accreditation of Navy, DoD, and Government Automated Information Systems (AIS) and Network systems. The contractor shall develop and maintain a database that will be used to identify and track data integrity and security events or incidents that have been logged and identified on Navy, DoD, and Government AIS. The contractor shall support the planning and implementation of information security operations performed by an authorized Computer Emergency Response Team (CERT) on Navy, DoD, and Government AIS assets. The contractor shall evaluate the level of damage caused by information security incidents relating to data integrity incidents and define technical, operational, and financial requirements for the restoration of AIS operations and data and the elimination of identified vulnerabilities.

5. Automated Information System (AIS) Data Integrity Planning Support: The contractor shall provide support for the implementation of AIS Data Integrity Planning Support for Navy, DoD, and Government AIS, hardware, and software. The contractor shall support the development of Navy, DoD, and Government AIS Data Integrity hardware, software, and documentation including policy statements, instructions, directives, and handbooks. The contractor shall define Navy, DoD, and Government Data Integrity vulnerabilities and countermeasures for Automated Information Systems. The contractor shall identify Navy, DoD, and Government system threats in the area of Information System Data Integrity. The contractor shall support the development of AIS Data Integrity Awareness Programs for Navy, DoD, and Government programs and facilities. The contractor shall define the logistics support and financial requirements for the implementation of AIS Data Integrity policy for Navy, DoD, and Government organizations. The contractor shall identify, gather, and compile the required data for the development and implementation of Navy, DoD, and Government system and facility Contingency Plans and Disaster Recovery Plans. The contractor shall develop and submit for approval required System Data Integrity Plans for Navy, DoD, and Government systems.

3.2.7 Training Services and Curriculum Development

3.2.7.1 Authoring Instructional Material (AIM) I and AIM II format curriculum development:

The contractor will provide qualified personnel capable of AIM I and AIM II curriculum development and be familiar with development of curriculum under NAVEDTRA 130A and NAVEDTRA 131A, references (y) and (z) respectively. Personnel will have the ability to produce Training Project Plans (TPP); Resource Requirements Lists (RLL); Course Training Task Lists (CTTL); Learning Objectives (LOs); Knowledge Tests and Test Plans; Training Course Control Documents (TCCD); Curriculum Outlines of Instruction (COI); Course Master Schedules (CMS); Lesson Plans (LP); Trainee Guides (TG); and be familiar with front end analysis (FEA).

3.2.7.2 Equipment Facility Requirements (EFR)/Navy Training System Plans (NTSP)

The contractor will provide experienced personnel in the development/modification of NTSP's and EFR's as required for training development.

3.2.7.3 Course Analysis.

The contractor will provide personnel as required to conduct Front End Analysis for existing courses as well as be familiar with current Advanced Distributive Learning initiatives such as the Shareable Content Object Reference Model (SCORM) and the Navy E-Learning Network as specified in references (w) and (x).

3.2.7.4 Computer Based Training (CBT)/ Interactive Courseware Development (ICW)

The contractor shall provide personnel proficient in specific CBT/ICW development software packages to include a proficiency in the following programs: Macromedia Authorware, Dreamweaver, Director and Flash; AutoDesk 3DStudioMax, 3DStudioViz, and Autocad; Newtek Lightwave; Adobe Premier, Photoshop, and Acrobat. Experience in all listed programs is a requirement. CBT's must meet the requirements as specified in references (w) and (x).

In addition to the above programs, the contractor personnel shall possess proficiency in the following areas:

1. "Real-Time" 3D interactive

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2. 3 Dimensional Models and Animations

3. AutoCAD model generation and polygon optimization for “Real Time” deployment.

4. 2 Dimensional Animations and Simulation

5. HTML/XML content

6. SCORM standards for HTML and Authored content

7. Digital Video Capture, Editing, and Delivery

8. Analog to Digital Conversion (video, audio)

9. Digital Audio Editing (e.g. voice over video)

10. DVD development, and production

11. CD-ROM development and production

3.2.7.5 Electronic Classroom Training Aid Development.

The Contractor will provide conversion of AIM I and AIM II developed curriculum to an electronic format. This electronic format must be displayable without the use of proprietary programs and be integrated with Interactive Electronic Technical Manuals (IETMS). Navy Instructors must be able to modify Instructor Guides and Electronic Media (e.g. photos, personalization text) without programming knowledge. Content for the training aids will be of the same type as found in paragraph 3.2.7.4.

3.2.7.6 Analog to Digital Conversion of existing products.

The contractor will have the ability to convert current VHS, Beta, and other Analog format media to Digital Format deliverable on CD-ROM or DVD. This effort may require digital editing, layout, and storyboarding of both video and audio. Reproducing /Duplicating of Media will also be a requirement.

3.2.7.7 Technical Support Personnel

The contractor shall provide technical support personnel for various areas of logistics and training support. Technical support personnel will be Sr. Level Technical Experts such as Master Training Specialists, Sr. Logisticians, Sr. Instructors, etc.

3.2.7.8 Technical Training Equipment (TTE)

The contractor may be tasked to purchase TTE. TTE includes equipment for curriculum development to be placed at Navy training facilities; any special tools required to disassemble the TTE, diagnostic equipment for the TTE and may include equipment necessary to stand up a traditional classroom or an automated electronic classroom.

4. DELIVERABLES

4.1 Ship Check Reports

Within five (5) working days of completion of a ship check, a ship check report will be generated for each tasked ship check to include: redlined drawings and sketches, procedural and other documentation updates, test results, problem areas, recommendations and general data to include, ship, hull, location, date and points of contact onboard the ship.

4.2 Weekly Progress Reports

Every 7 days, the contractor will provide a status report in the format specified in each individual task instruction. A copy will shall be provided to NSWCCD Code 944, the COR and the Contracting Officer.

4.3 Technical Data

- Developed, Revised, and/or edited PMS, TRS and TP's
- Developed, Revised, and/or edited RCM developed PMS and TSTP packages
- Status/Progress Report
- Start of Work Impact Statement-c/942
- Modification to Quality Assurance Plan

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- Validation/Verification Plan
- Contract/PR. No.
- Completed TMIN-R/CD Volume Label Request
- Review Manuscript
- Final Reproducible Copy
- CD and/or Electronic Copy
- Validation Report
- Run Sheet/Print Sequence Sheets
- Cold Check Agenda
- Procedures and Diagrams annotated during cold check
- Report on Status of Ship Systems
- Development Schedule
- Ship Alteration to Doc/Diagram Matrix
- Configuration Check data sheet
- Hot check package
- Report on changes to baseline
- Final package for review
- Final NSWCCD approved printmasters disks and/or electronic copy
- NSWCCD approved final package
- Completed configuration check sheet data
- Report on status of final review package
- Status Report for C/9433
- Configuration check agenda
- Logistics Management Summary
- Logistics management information supportability analysis summary
- Bookplan
- In Process review samples
- IPR Report
- Start of work impact statement-c/944
- In process reviews
- ATIS compatible CD-Master
- SGML source data
- F-separated PDF file (TMPODS)
- CD label artwork
- Distribution list and labels
- TMDERS/RACS
- Data Collection

5. Government Furnished Information

The Government will provide the contractor with all information, including deadlines and government

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proprietary data, to complete the task in a timely manner.

6. Travel

Travel may be required to the following locations for:

Developing TMs - It is estimated that 10% of the work involves travel to Newport News, Va; 10% of the work involves travel to Bangor, Washington; and 10% of the work involves travel to Philadelphia, PA.

Reason - Ships must be visited during development of some tech manuals to see/operate the equipment and where it is installed to get the knowledge that goes into the manuals.

Developing OSS - It is estimated 20% of the travel will be to Pascagoula, MS and Bath, ME. Reason - Ships being built there need OSS.

It is estimated 25% travel to Philadelphia for TDKM System Functional Expansion and Implementation Support.

It is estimated 25% travel to Philadelphia for Technical Data Migration to S1000D Issue 2 and MIL-DTL-24784C.

Training Services/Curriculum Development - Estimate of 5% travel to each of the following locations: San Diego, CA, Chicago, IL, and Norfolk, VA. San Diego and Norfolk have the ships where photos and video will be collected. Chicago has the main Navy training facility.

7. Materials

Material to be identified under individual task instructions.

8. Task Order Manager(TOM)and Technical Point of Contact(TPOC)

Task Order Manager(TOM)

Name(TOM): Thomas A. Smith

Phone: 215-897-1454

E-mail: thomas.a.smith1@navy.mil

Technical Point of Contact(TPOC)

Name(TPOC): Deb Krouse

Phone: 215-897-1332

E-mail: debra.krouse@navy.mil

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SECTION D PACKAGING AND MARKING

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

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SECTION E INSPECTION AND ACCEPTANCE

In accordance with the basic contract.

SECTION F DELIVERIES OR PERFORMANCE

CLIN - DELIVERIES OR PERFORMANCE

Place of Performance

It is estimated that the work effort required will occur at the following locations as indicated: Contractor's facility- 50%; Various ship homeports within the continental United States and internationally- 40%; NSWCCD Philadelphia, PA and Carderock, MD sites- 10%.

PERIOD OF PERFORMANCE

The period of performance is from date of award to 15 Sep 2008.

DELIVERY INFORMATION

FOB: Destination

SHIP TO ADDRESS:

Naval Surface Warfare Center, Carderock Division

ATTN: Deb Krouse/CODE 944

5001 South Broad Street

Philadelphia, PA 19112-1403

SECTION G CONTRACT ADMINISTRATION DATA

Accounting Data

SLINID	PR Number	Amount
1000AB	52443547	[REDACTED]
LLA :		
AA 1751804.8B5B 253 SA312 0 068342 2D 000000 15BN00000N00 (AA) (N0002405RX02285)		
1000AC	52454245	[REDACTED]
LLA :		
AB 97X4930.NH1C 000 77777 0 000167 2F 000000 051915210802		
1000AD	52074008	[REDACTED]
LLA :		
AC 97X4930.NH1C 000 77777 0 000167 2F 000000 051910146903		
1000AE	52074017	[REDACTED]
LLA :		
AD 97X4930.NH1C 000 77777 0 000167 2F 000000 051913373701		
3000AB	52074017	[REDACTED]
LLA :		
AD 97X4930.NH1C 000 77777 0 000167 2F 000000 051913373701		
MOD 2		
1000AF	53140487	[REDACTED]
LLA :		
AE 97X4930.NH1C 000 77777 0 000167 2F 000000 061910320707		
1000AG	53140474	[REDACTED]
LLA :		
AF 97X4930.NH1C 000 77777 0 000167 2F 000000 061910320801		
3000AC	53140474	[REDACTED]
LLA :		
AF 97X4930.NH1C 000 77777 0 000167 2F 000000 061910320801		
MOD 3		
1000AH	53058412	[REDACTED]
LLA :		
AG 1751810.81PB 253 SA392 0 068342 2D 000000 PB9270000000 (AA) (N0002405WXF0283)		
MOD 4		
1000AJ	60347463	[REDACTED]
LLA :		
AH 97X4930.NH1C 000 77777 0 000167 2F 000000 061910321101		
3000AD	60347463	[REDACTED]
LLA :		
AH 97X4930.NH1C 000 77777 0 000167 2F 000000 061910321101		
MOD 5		
1000AJ	60347463	[REDACTED]
LLA :		
AH 97X4930.NH1C 000 77777 0 000167 2F 000000 061910321101		
1000AK	60815896	[REDACTED]
LLA :		
AJ 97X4930.NH1C 000 77777 0 000167 2F 000000 061915213304		
1000AL	60815888	[REDACTED]
LLA :		
AK 97X4930.NH1K 000 77777 0 063394 2F 000000 THA6310NSD00 (AA) (N6339406WX00258)		
1000AM	60815731	[REDACTED]
LLA :		
AL 97X4930.NH1K 000 77777 0 063394 2F 000000 THA6310NSD00 (AA) (N6339406WX00537)		
3000AE	60347463	[REDACTED]
LLA :		
AH 97X4930.NH1C 000 77777 0 000167 2F 000000 061910321101		
3000AF	60815896	[REDACTED]
LLA :		
AJ 97X4930.NH1C 000 77777 0 000167 2F 000000 061915213304		
MOD 7		
1000AA		[REDACTED]
LLA :		
ZZ NA		
1000AN	61320598	[REDACTED]
LLA :		
AM 97X4930.NH1C 000 77777 0 000167 2F 000000 051913157001		
1000AP	61320584	[REDACTED]
LLA :		
AN 1761811.6218 251 WAWGC 0 068342 2D 000000 209938SS000 (AA) (N0002406RX21080)		
1000AQ	61320582	[REDACTED]
LLA :		
AP 1761804.8B2B 253 SAS04 0 068342 2D 000000 12B600000600 (AA) (N0002406WX02250)		

1000AR 61320612 [REDACTED]
LLA :
AQ 1751319.14PA 253 SAS5Z 0 068342 2D 263420 39038000CONO (AA) (N0002406WX11475)

1000AS 61670629 [REDACTED]
LLA :
AR 97X4930.NH1C 000 77777 0 000167 2F 000000 061912251410

3000AG 61320582 [REDACTED]
LLA :
AP 1761804.8B2B 253 SAS04 0 068342 2D 000000 12B600000600 (AA) (N0002406WX02250)

3000AH 61320612 [REDACTED]
LLA :
AQ 1751319.14PA 253 SAS5Z 0 068342 2D 263420 39038000CONO (AA) (N0002406WX11475)

MOD 8
1000AA [REDACTED]
LLA :
ZZ NA

1000AT 61670608 [REDACTED]
LLA :
AS 97X4930.NH1C 000 77777 0 000167 2F 000000 061915212804

1000AU 61670606 [REDACTED]
LLA :
AT 97X4930.NH1C 000 77777 0 000167 2F 000000 061915215201

1000AV 61670603 [REDACTED]
LLA :
AU 97X4930.NH1C 000 77777 0 000167 2F 000000 061915215108

1000AW 61670602 [REDACTED]
LLA :
AV 97X4930.NH1C 000 77777 0 000167 2F 000000 061915212703

1000AX 61670598 [REDACTED]
LLA :
AW 97X4930.NH1C 000 77777 0 000167 2F 000000 061915214501

1000AY 61670596 [REDACTED]
LLA :
AX 97X4930.NH1C 000 77777 0 000167 2F 000000 061915214402

1000AZ 61670595 [REDACTED]
LLA :
AY 97X4930.NH1C 000 77777 0 000167 2F 000000 061915214102

1000BA 61670592 [REDACTED]
LLA :
AZ 97X4930.NH1C 000 77777 0 000167 2F 000000 061915410003

1000BB 61773946 [REDACTED]
LLA :
BA 97X4930.NH1C 000 77777 0 000167 2F 000000 061560043630

1000BC 61927367 [REDACTED]
LLA :
BB 97X4930.NH1C 000 77777 0 000167 2F 000000 061910315103

1000BD 61927612 [REDACTED]
LLA :
BC 97X4930.NH1C 000 77777 0 000167 2F 000000 061912271315

1000BE 62010675 [REDACTED]
LLA :
AP 1761804.8B2B 253 SAS04 0 068342 2D 000000 12B600000600 (AA) (N0002406WX02250)

1000BF 62083767 [REDACTED]
LLA :
BD 97X4930.NH1C 000 77777 0 000167 2F 000000 061915213810

3000AJ 61670612 [REDACTED]
LLA :
AS 97X4930.NH1C 000 77777 0 000167 2F 000000 061915212804

3000AK 61773946 [REDACTED]
LLA :
BA 97X4930.NH1C 000 77777 0 000167 2F 000000 061560043630

3000AL 62010675 [REDACTED]
LLA :
AP 1761804.8B2B 253 SAS04 0 068342 2D 000000 12B600000600 (AA) (N0002406WX02250)

MOD 9
1000AA [REDACTED]
LLA :
ZZ NA

1000BG 62331900 [REDACTED]
LLA :
BE 97X4930.NH1C 000 77777 0 000167 2F 000000 061912271313

1000BH 62291201 [REDACTED]
LLA :
BF 97X4930.NH1C 000 77777 0 000167 2F 000000 061910347301

1000BJ 62498851 [REDACTED]

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LLA :
BG 97X4930.NH1C 000 77777 0 000167 2F 000000 061910321401

3000AM 62291201 [REDACTED]
LLA :
BF 97X4930.NH1C 000 777777 0 000167 2F 000000 061910347301

3000AN 62498851 [REDACTED]
LLA :
BG 97X4930.NH1C 000 77777 0 000167 2F 000000 061910321401

3000AP 62238838 [REDACTED]
LLA :
BH 97X49360.NH1C 000 77777 0 000167 2F 000000 061910346901

MOD 10
1000AA [REDACTED]
LLA :
ZZ NA

MOD 11
1000BK 62966200 [REDACTED]
LLA :
BJ 97X4930.NH1C 000 77777 0 000167 2F 000000 071912982221

MOD 12
1000BL 70174519 [REDACTED]
LLA :
BK 1771804.8B2B 253 SAS04 0 068342 2D 000000 12B600000600
Standard Number: N0002407WX00302

3000AQ 70174535 [REDACTED]
LLA :
BK 1771804.8B2B 253 SAS04 0 068342 2D 000000 12B600000600
Standard Number: N0002407WX00302

Task Order Manager

Thomas A. Smith, 9443

5001 S. Broad St.

Philadelphia, PA 19112

thomas.a.smitht1@navy.mil

215-897-1454

Contract Specialist

Stephen Orczewski, Code 3351

5001 South Broad Street

Philadelphia, PA 19112-1403

stephen.orczewski@navy.mil

215-897-7062

5252.232-9001 SUBMISSION OF INVOICES (COST –REIMBURSEMENT, TIME-AND-MATERIALS, LABOR-HOUR, OR FIXED PRICE INCENTIVE (JUL 1992)

A copy of every invoice shall also be provided to the individuals listed below, at the address shown:

TASK ORDER MANAGER: See above for address

FINANCE/CODE 3127

Naval Surface Warfare Center Carderock Division

5001 South Broad Street

Philadelphia, PA 19112-1403

SEA 5252.232-9104 ALLOTMENT OF FUNDS (MAY 1993)

(a) This contract is incrementally funded with respect to both cost and fee. The amount(s) presently available and allotted to this contract for payment of fee for incrementally funded contract line item number/contract subline item number (CLIN/SLIN), subject to the clause entitled "FIXED FEE" (FAR 52.216-8) or "INCENTIVE FEE" (FAR 52.216-10), as appropriate, is specified below. The amount(s) presently available

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and allotted to this contract for payment of cost for incrementally funded CLINs/SLINs is set forth below. As provided in the clause of this contract entitled "LIMITATION OF FUNDS" (FAR 52.232-22), the CLINs/SLINs covered thereby, and the period of performance for which it is estimated the allotted amount(s) will cover are as follows:

ESTIMATED

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

(c) CLINs/SLINs 1000AB through 1000BF and SLINs 3000AB through 3000AL 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

FUNDING PROFILE

It is estimated that these incremental funds will provide for [if LOE, enter the number of hours; if completion or supply enter items and quantities] The following details funding to date:

Total

Contract Funds This Previous Funds Balance

CPFF Action Funding Available Unfunded

(End of Clause)

SEA 5252.216-9122 LEVEL OF EFFORT (DEC 2000)

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

(b) Of the total man-hours of direct labor set forth above, it is estimated that [REDACTED] 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 [REDACTED] hours per week. It is understood and agreed that the rate of man-hours per month may fluctuate in pursuit of the technical objective, provided such fluctuation does not result in the use of the total man-hours of effort prior to the expiration of the term hereof, except as provided in the following paragraph.

(e) If, during the term hereof, the Contractor finds it necessary to accelerate the expenditure of direct labor to such an extent that the total man hours of effort specified above would be used prior to the expiration of the term, the Contractor shall notify the Contracting Officer in writing setting forth the acceleration required, the probable benefits which would result, and an offer to undertake the acceleration at no increase in the

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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:

Fee Reduction = Fee (Required LOE Expended LOE)

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) Deleted per Amendment 0001

(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.

(End of Clause)

SECTION H SPECIAL CONTRACT REQUIREMENTS

NONE

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SECTION I CONTRACT CLAUSES

Refer to the Base IDIQ contract.

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SECTION J LIST OF ATTACHMENTS

Attachment (1): DD Form 254, Contract Security Classification Specification

Attachment (2): Clause CAR-H07