

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE	OF	PAGES
2. AMENDMENT/MODIFICATION NO. A0007		3. EFFECTIVE DATE 08/30/01	4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)
6. ISSUED BY COMMANDANT (G-ACS-4/CEM) U.S. COAST GUARD 2100 SECOND STREET, SW WASHINGTON, DC 20593-0001		7. ADMINISTERED BY (If other than Item 6)	CODE		
8. NAME AND ADDRESS OF CONTRACTOR (No. Street, county, State and ZIP+ Code)		(4)	9A. AMENDMENT OF SOLICITATION NO. DTCG23-01-R-D0001		
			9B. DATED (SEE ITEM 11) 6/29/01		
			10A. MODIFICATION OF CONTRACT/ORDER NO.		
			10B. DATED (SEE ITEM 13)		
CODE	FACILITY CODE				

## 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers  is extended,  is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning one (1) copy of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and data specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

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

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

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

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

See the attached replacement pages.

END BLOCK 14

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) CATHERINE A. MARTINDALE	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED 08/30/01
(Signature of person authorized to sign)		BY  (Signature of Contracting Officer)	

will not evaluate nor consider for award alternate proposals. Only one proposal will be considered from each of the three teams participating in Phase 1. The proposal will present the Offeror's understanding of the scope of the acquisition and overall approach to providing the required services.

### **L.7.2 PROPOSAL VOLUMES REQUIREMENTS**

The proposal shall be accompanied by a cover letter (letter of transmittal) prepared on the company's letterhead stationery. The cover letter (letter of transmittal) shall identify all enclosures being transmitted and shall be used only to transmit the proposal and shall include no other information. The first or title page shall be in accordance with FAR 52.215-1, paragraph (c) (2). If the Offeror wishes to restrict the disclosure or use of its proposal, use the legend permitted by FAR 52.215-1(e).

The following are further descriptions of the information that shall be provided with the proposal. Each Offeror must submit six separate volumes (with copies) as follows:

<b>Volume</b>	<b>Title</b>	<b>Section (L) paragraph</b>	<b>Original CD</b>	<b>CD copies</b>	<b>Paper copies</b>
I	Executive Summary	L.7.6	1	5	1
II	Operational Effectiveness	L.7.7	1	5	1
III	TOC Estimate	L.7.8	1	5	1
IV	Management	L.7.9	1	5	1
V	Technical	L.7.10	1	5	1
VI	Business	L.7.11	1	5	1

**(The Offeror may provide a CD submission of Table D-159, Operational Effectiveness Modeling Data, and Validation Tables for Operation Effectiveness in lieu of a paper submission.)**

Each volume in the proposal shall include a copy of the cover letter (letter of transmittal), title page, and table of contents. The table of contents shall list sections, subsections, and page numbers. Each volume shall be bound separately in three-ring binders (to permit removal of sections) with tabs for each major part. If there are any discrepancies between the hardcopy and the CDs, the CDs will govern with one exception. The hardcopy shall be utilized to determine page count. CDs shall be "read-only" CDs-formatted for Microsoft Windows NT with one exception. One of the Volume III, TOC disks shall be in read or write format with any spreadsheets unlinked to any unsubmitted spreadsheets or other files. Documents, spreadsheets, databases, or other data submitted must be compatible with Microsoft Office 2000, Microsoft Project 2000, and Microsoft Internet Explorer 5.0. Adobe Acrobat reader version 4.0 format may be used for drawings not compatible with Microsoft products. The first page of each volume

shall be in accordance with the requirements of FAR 52.215-1 Instructions to Offerors –  
Competitive Acquisition.

The Cutter Specific Certification Matrix of the successful Offeror may be incorporated in the resulting contract as Attachments J-13b. The Cutter Specific Certification Matrix is subject to negotiation, at the discretion of the Government, and may result in modification and subsequent approval as required by this contract during Phase 2.

#### L.7.7.4 SECTION 4 C4ISR ARCHITECTURES *(no page limit)*

The Offeror shall submit C4ISR Architecture Products in accordance with the requirements specified in Section 3.19.4.3 of Attachment J-31, the Phase 1 SOW and SOW Attachments. The proposal should reflect a maturation of the deliverable submitted during Phase 1. The Offeror will highlight text changes, including text in tables and spreadsheets, from the final Phase 1 deliverable with bold text and red color and annotate changes to figures, graphics, drawings, etc. from the final Phase 1 deliverable with a note in bold text and red color. Strike through of deleted text is not required or desired. In addition, the Offeror will briefly describe all substantial changes and the impact of these changes on the IDS from the final Phase 1 deliverable in a Summary of Changes Annex to be incorporated into the C4ISR Architecture Section. Changes from the Phase 1 deliverable are not limited to concerns communicated by the Contracting Officer regarding final CDRL submission in Phase 1.

The C4ISR Architecture of the successful Offeror may be incorporated in the resulting contract as Attachments J-4. The C4ISR Architecture is subject to negotiation, at the discretion of the Government, and may result in modification and subsequent approval as required by this contract during Phase 2.

#### L.7.7.5 SECTION 5 LOGISTICS PLANS *(no page limit)*

The Offeror shall submit ISP(s) in accordance with the requirements specified in Section 3.19.4.4 of Attachment J-31, the Phase 1 SOW and SOW Attachments. **In addition, the manpower requirements of Section III.A.1 bullet 2 of the Logistics Plan Functional Design Requirements (Attachment 4 of Attachment J-31) shall be formatted in accordance with Attachment J-40, Manpower Requirements Format.** The proposal should reflect a maturation of the deliverable submitted during Phase 1. The Offeror will highlight text changes, including text in tables and spreadsheets, from the final Phase 1 deliverable with bold text and red color and annotate changes to figures, graphics, drawings, etc. from the final Phase 1 deliverable with a note in bold text and red color. Strike through of deleted text is not required or desired. In addition, the Offeror will briefly describe all substantial changes and the impact of these changes on the IDS from the final Phase 1 deliverable in a Summary of Changes Annex to be incorporated into the Logistics Plans Section. Changes from the Phase 1 deliverable are not limited to concerns communicated by the Contracting Officer regarding final CDRL submission in Phase 1.

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The ISP(s) of the successful Offeror may be incorporated in the resulting contract as Attachment J-3. ISP(s) are subject to negotiation, at the discretion of the Government, and may result in the modification and subsequent approval of the ISP(s) as required by this contract during Phase 2.

**L.7.7.6 SECTION 6 IMPLEMENTATION PLAN** *(no page limit)*

The Offeror shall submit an Implementation Plan in accordance with the requirements specified in Section 3.19.7 of Attachment J-31, the Phase 1 SOW and SOW Attachments. The proposal should reflect a maturation of the deliverable submitted during Phase 1. The Offeror will highlight text changes, including text in tables and spreadsheets, from the final Phase 1 deliverable with bold text and red color and annotate changes to figures, graphics, drawings, etc. from the final Phase 1 deliverable with a note in bold text and red color. Strike through of deleted text is not required or desired. In addition, the Offeror will briefly describe all substantial changes and the impact of these changes on the IDS from the final Phase 1 deliverable in a Summary of Changes Annex to be incorporated into the Implementation Plan Section. Changes from the Phase 1 deliverable are not limited to concerns communicated by the Contracting Officer regarding final CDRL submission in Phase 1. The Offeror shall also summarize in a narrative or tabular format the implementation plans and responsibilities for introducing any new C4ISR systems or upgrading legacy C4ISR systems for calendar years 2004, 2007, 2011 and 2016. In addition, changes to the CG information technology requirements processing, capabilities and resourcing methods that will be needed to support the IDS shall be addressed.

The Implementation Plan(s) of the successful Offeror may be incorporated in the resulting contract as Attachments J-2. The Implementation Plans are subject to negotiation, at the

discretion of the Government, and may result in modification and subsequent approval as required by this contract during Phase 2.

L.7.7.7 SECTION 7 OPERATIONAL EFFECTIVENESS MODELING DATA *(no page limit)* *(The Offeror may provide a CD submission of Operational Effectiveness Modeling data in lieu of a paper submission)*

The Offeror shall provide the operational effectiveness modeling data necessary to run CIAAT. If the data resides in an MSMP modeling data table, the table shall be provided in its entirety. In addition, the Offeror shall submit in its entirety any table referenced within the tables provided. The Offeror shall submit data for five one-year periods. One of these periods shall be the first calendar year that the IDS is fully implemented, the others shall be calendar years 2004, 2007, 2011 and 2016.

The Offeror shall also provide specific cross-references to the appropriate section of the proposal (by volume, chapter, paragraph, and page number) where all operational effectiveness modeling data submitted may be verified.

Operational effectiveness modeling data of the successful Offeror as specified in MSMP Tables D-101 through D-144 may be required immediately after award for contract administration purposes.

L.7.7.8 SECTION 8 VALIDATION TABLES FOR OPERATIONAL EFFECTIVENESS *(no page limit)* *(The Offeror may provide a CD submission of Validation Tables for Operational Effectiveness in lieu of a paper submission)*

The Offeror shall provide asset/capability validation data in the format specified in MSMP tables D-146 through D-154.

L.7.8 TOTAL OWNERSHIP COST (TOC) ESTIMATE VOLUME REQUIREMENTS (Volume III) *(no page limit)* *(The Offeror may provide a CD submission of Table D-159 in lieu of a paper submission)*

The Offeror shall use the following instructions in submitting information other than cost or pricing data that is required to evaluate the reasonableness and realism of its proposed cost/price. Compliance with these instructions is mandatory and failure to comply may result in rejection of the proposal.

The Total Ownership Cost Estimate Volume (Cost Proposal) is to be submitted separately from the other volumes of the proposal.

A table of contents shall be provided after the cover letter or title page, listing the sections, subsections, and page numbers.

The Offeror must include an index, appropriately referenced, of all the pricing information accompanying or identified in the proposal. An updated copy of the index annotated to show the

additional/revised data must accompany any future additions and/or revisions up to the date of final proposal revision.

## L.7.11.4 SECTION 4 OPERATING LEASE AGREEMENT

This section is applicable when the Offeror has included an operating lease in its proposed CLIN prices. The Offer shall include in this section a detailed explanation of how the proposed lease meets the operating lease characteristics and criteria as set forth in OMB Circular A-11. The Contractor shall provide the operating lease agreement. The operating lease agreement shall include a cancellation clause. The Contractor shall provide a lease purchase analysis in accordance with OMB Circular A-94.

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L.7.11.5 SECTION 5 JOINT VENTURE TEAM ARRANGEMENTS

This section is applicable when the proposed Prime Contractor is a Joint Venture. In order for the Government to confirm the legal validity of the Joint Venture, an Offeror proposing a Joint Venture as the Prime Contractor shall meet the following requirements:

- (a) All offers submitted by Joint Ventures must include a copy of the executed joint venture agreement.
- (b) In the case of corporations that are venture entities, the corporation secretary must certify that the corporation is authorized to participate in the joint venture by certification in the joint venture agreement and submission of a separate certification to the Government prior to contract award.
- (c) The Joint Venture must identify a single point of contact, i.e., a principal representative (by name) of the Joint Venture for purposes of resolution of contractual matters and payment issues.

J-31	Phase 1 Section C Description/Specifications/Work Statement
J-32	Contractor-Developed Statement of Work (SOW) Template
J-33	Legacy Deepwater System Modeled Operational Effectiveness
J-34	Reserved
J-35	Emergent Work Labor Categories
J-36	Operational Effectiveness Factor Requirements and Standards
J-37	Management Capability Factor Requirements and Standards
J-38	Technical Feasibility Factor Requirements and Standards
J-39	Clause Matrix
J-40	Manpower Requirements Format

**ATTACHMENT J-40  
MANPOWER REQUIREMENTS FORMAT**

The purpose of this section is to identify a format for reporting IDS Asset personnel staffing which is a required deliverable of the ISPs IAW Attachment J-31, the Phase 1 SOW and SOW Attachments. The offeror shall submit Manpower Requirements utilizing the **Table J-40-1: Manpower Requirements Format**. Submittal shall be in electronic “.csv” format. This submission shall identify all military billets (both active and reserve), training allowance billets (TABs), Coast Guard civilian employee positions, and on-site contractor support personnel in the offeror’s proposed IDS organization. This submission shall identify the personnel staffing of each Aviation, C4ISR, Logistics, and Surface asset of the IDS and will specify the start and end years for each billet/position. An example entry is provided in **Table J-40-4: Manpower Requirements**.

**Table J-40-1: Manpower Requirements Format**

<b>Field Names</b>	<b>Format</b>	<b>Description</b>
IndustryTeamID	Text	Industry team identifier.
OPFAC	Text	Asset OPFAC. See <b>MSMP Table C-6: Cutter Homeports</b> and <b>Table C-13: Logistics Commands and Command and Control Facilities</b> for selection of the appropriate OPFAC. All personnel who contribute to the IDS CONOP/CONLOG must be assigned to a particular OPFAC. Billets for aircraft shall be assigned to the appropriate air station OPFAC. TABs shall be assigned to the appropriate asset OPFAC. New OPFACs may be created and they must be identified in the proposal.
BilletType	Text	Type of billet or position. See <b>Table J-40-2: Billet Types</b> for selection.
Grade	Text	Grade of billet/position. See <b>Table J-40-3: Grade</b> for selection. If BilletType is “Contractor” then specify the associated Contract Line Item Number (CLIN) from Section B.
Specialty	Text	Specialty, enlisted rating, or Civil Service series of billet. See <b>Commissioned and Warrant Officer Billet Manual (COMDTINST M5320.7K)</b> for selection of officer specialties. See <b>MSMP Table C-14: Class “A” Schools for Enlisted Personnel</b> for selection of enlisted rating. See <b>OPM Handbook of Occupational Groups and Families</b> for selection of GS and WD/G/L/M/N/S series. If BilletType is “Contractor” then specify labor category where appropriate.
Function	Text	Description of billet/position function, regardless of organic or contractor.
StartYear	Integer	The element is the IDS calendar year, “1” through “40”, in which the billet is first brought into the IDS. An entry of “X” is equivalent to the first day of IDS year “X”.
EndYear	Integer	The element is the IDS calendar year, “1” through “40”, in which the billet is removed from the IDS. An entry of “X” is equivalent to the first day of IDS year “X”.
Quantity	Integer	The number of billets of this type for this asset that have the same StartDate and EndDate.
Remarks	Text	Contractor remarks, notes, or descriptions as necessary. Note any anticipated changes to rotation cycles (military only).

**Table J-40-2: Billet Types**

<b>BilletType</b>	<b>Description</b>
Active	Active Duty Coast Guard uniformed member
Reserve	Reserve Duty Coast Guard uniformed member
Civilian	Civilian Coast Guard member
Contractor	Contractor employed member
TAB	Training Allowance Billet

**Table J-40-3: Grade**

<b>Rank</b>	<b>Description</b>
O-10	Admiral
O-9	Vice Admiral
O-8	Rear Admiral
O-7	Rear Admiral (Lower Half)
O-6	Captain
O-5	Commander
O-4	Lieutenant Commander
O-3	Lieutenant
O-2	Lieutenant Junior Grade
O-1	Ensign
W-4	Warrant Officer
E-10	Master Chief Petty Officer of the Coast Guard
E-9	Master Chief Petty Officer
E-8	Senior Chief Petty Officer
E-7	Chief Petty Officer
E-6	Petty Officer First Class
E-5	Petty Officer Second Class
E-4	Petty Officer Third Class
E-3	Seaman
E-2	Seaman Apprentice
E-1	Seaman Recruit
ES-00	Civil Service Grade ES-00
AL-03	Civil Service Grade AL-03
AL-02	Civil Service Grade AL-02
AD-00	Civil Service Grade AD-00

GS-15	Civil Service Grade GS-15
GS-14	Civil Service Grade GS-14
GS-13	Civil Service Grade GS-13
GS-12	Civil Service Grade GS-12
GS-11	Civil Service Grade GS-11
GS-10	Civil Service Grade GS-10
GS-9	Civil Service Grade GS-9
GS-8	Civil Service Grade GS-8
GS-7	Civil Service Grade GS-7
GS-6	Civil Service Grade GS-6
GS-5	Civil Service Grade GS-5
GS-4	Civil Service Grade GS-4
GS-3	Civil Service Grade GS-3
GS-2	Civil Service Grade GS-2
GS-1	Civil Service Grade GS-1
WS-19	Civil Service Wage Grade WS-19
WS-18	Civil Service Wage Grade WS-18
WS-17	Civil Service Wage Grade WS-17
WS-16	Civil Service Wage Grade WS-16
WG/L/M/S-15	Civil Service Wage Grade WG/L/M/S-15
WG/L/M/S-14	Civil Service Wage Grade WG/L/M/S-14
WG/L/M/S-13	Civil Service Wage Grade WG/L/M/S-13
WG/L/M/S-12	Civil Service Wage Grade WG/L/M/S-12
WD/G/L/M/S-11	Civil Service Wage Grade WD/G/L/M/S-11
WD/G/L/M/S-10	Civil Service Wage Grade WD/G/L/M/S-10
WD/G/L/M/N/S-9	Civil Service Wage Grade WD/G/L/M/N/S-9
WD/G/L/M/N/S-8	Civil Service Wage Grade WD/G/L/M/N/S-8
WD/G/L/M/N/S-7	Civil Service Wage Grade WD/G/L/M/N/S-7
WD/G/L/M/N/S-6	Civil Service Wage Grade WD/G/L/M/N/S-6
WD/G/L/M/N/S-5	Civil Service Wage Grade WD/G/L/M/N/S-5
WD/G/L/M/N/S-4	Civil Service Wage Grade WD/G/L/M/N/S-4
WD/G/L/M/N/S-3	Civil Service Wage Grade WD/G/L/M/N/S-3
WD/G/L/M/N/S-2	Civil Service Wage Grade WD/G/L/M/N/S-2
WD/G/L/M/N/S-1	Civil Service Wage Grade WD/G/L/M/N/S-1
Applicable CLIN	Contractor Personnel

**Table J-40-4: Manpower Requirements Example**

Industry TeamID	OPFAC	Billet Type	Grade	Specialty	Function	Start Year	End Year	Quantity	Remarks
ABC	01-20115	Active	O-3	60	Aviator - Rotary Wing	1	25	10	5-year rotation cycle
ABC	01-20115	Active	O-3	60	Aviator - Rotary Wing	1	15	8	
ABC	01-20115	Civilian	GS-5	1701	Lead Teacher	1	20	5	Helicopter Controls Class
ABC	01-20115	Contractor	CLIN 0040E	Education Specialist	Teacher	21	40	5	Helicopter Controls Class
ABC	21-11405	TAB	O-2	70682	Training Allowance	1	20	1	SWOS
...	...	...	...	...	...	...	...	...	...

**ATTACHMENT 4 TO J-31  
LOGISTICS PLAN  
FUNCTIONAL DESIGN REQUIREMENTS**

I. System Level ILS Plan Overarching Requirements. The IDS System Level Logistics Plan shall provide:

Description of a comprehensive and achievable IDS ILS design and a, in accordance with Section 2 of DID DI-ILSS-80395 as tailored by CDRL A007.

Identification of overall support resources (manpower, commercial & organic) required and impact on the USCG legacy support activities.

Identification and description of the criteria for outsourcing vs. organic support decisions.

Management Plan in accordance with Section 3 of DID DI-ILSS-80395, as tailored by CDRL A007. Address the ILS vision, organization, responsibilities and interfaces which are proposed to implement and operate the ILS system as designed over the IDS life cycle through detail design, transition, service life, and disposal of assets.

Table of participating activities, including both government and contractor activities participating in logistics support, with definitions of their responsibilities and interfaces, including the transition of the organization over time. "TBD" is acceptable for mid and far term, but an organizational concept is required.

Plan for ILS risk management and reduction, including cost, schedule and performance.

Master Milestone Schedule for system, assets and legacy support changes.

Tabulated list of key logistics efforts and decisions deferred to a later acquisition phase, responsible activities, and the alternatives.

Tabulated list of integral IDS logistics design aspects that depend on USCG to implement, including brief impact assessment and contingency solutions if not implemented.

Measures of effectiveness for performance, incentives, and continuous improvement of the logistics support.

The benefits, costs, and risks associated with discrete elements of the logistics concept, with supporting rationale.

II. Asset Level ILS Plans Overarching Requirements. An Asset Level Logistics Plan shall be prepared for each asset in the Contractor's IDS. These plans shall:

Supplement the system-level ISP to address the unique logistics requirements of individual Surface, Air, and C4ISR assets.

Include element-based plans such as maintenance plan, training plan, etc., or combination – in contractor format -- as needed.

III. ILS Plan Detailed Requirements. The following items (A through C) shall be addressed in the system level and asset level plans. The level of detail may vary for the IDS and specific assets based upon the proposed implementation timeframe for the introduction of assets and logistics concepts:

## A. Human Systems

Describe the plan, including process / methodology, responsibility assignments, and schedule for integrating human systems into system-level and asset-level design.

### 1. Personnel and Manpower

Establish crewing concepts for assets (provide reference to asset design products (CDRL A021) as applicable).

Establish system and asset manpower requirements, and provide the underlying rationale/analysis, for operator, maintenance, and support personnel in terms of number of personnel by location, skill levels, and job classifications within the USCG and Contractor organizations (provide reference to asset design products (CDRL A021) as applicable).

Describe aspects of IDS that will positively impact retention, and provide supporting rationale.

Identify any new personnel record and management system requirements, where appropriate.

Establish requirements for Address impact/interface with current personnel procedures, proceduretech data/records, and management systems. for personnel, including interface with existing practices

Identify among those personnel policy, procedure, and administrative changes established by the contractor for IDS, which are beyond the contractor's control and therefore are the USCG's responsibility to implement.

### 2. Training and Training Devices

Establish the overall approach and strategies for on-going training throughout the IDS life cycle, and include interface and/or integration with USCG Workforce Performance and Training Strategy, where appropriate.

Describe the approach and plan for the design of instructional methodologyDesign and development.

Perform training needs assessment and analysis for new requirements at asset and job levelsi.e. methods, means, plans.

Explain the concept for implementing training for legacy, precommissioning, and follow-on crews.

Provide master training plans delineating asset-level training requirements by billet.

Establish requirements for procedures, tech data/ records, and management systems for training,

IncluDescribe requirements for major training aids (including but not limited to simulators, and equipment mock-ups) and training aids and computer resources.

Identify infrastructure/ resource impacts -- staffing, training allowance billets (TABs), and outsourcing requirements.

### 3. System Safety

Present the System Safety Program management approach, to address both hardware and software, operations and support.

Describe application of Closed Loop Hazard Tracking to resolve identified hazards.

Identify personnel safety requirements not identified in the air and surface asset designs (e.g., facility related concerns, or safety concerns related to potentially new operational scenarios.)

#### 4. Human Factors Engineering

Describe management strategy to establish human factors requirements and to incorporate the human element in design, operation, maintenance, and support at system and asset levels, to include both hardware and software. interfaces

#### 5. Habitability

Establish and describe system approach and asset-level functional requirements for habitability and work-life quality for deployable assets and shore facilities (where appropriate) during both normal and surge operations (provide reference to asset design products (CDRL A021) as applicable).

#### B. Supportability

Set forth the concepts, organization, and schedule for supporting IDS through the full life cycle. Describe how supportability is implemented in the proposed hardware and software designs of assets and their major subsystems.

#### 1. Maintenance

Refine the maintenance concept(s), basic support policies, and functional logistics support requirements identified in the earlier logistics plan, recognizing the influence of operational scenarios on readiness requirements.

Specify the methods, responsibilities, and processes for implementing the previously defined maintenance concept to provide system and asset hardware and software support throughout the IDS life cycle, including interface with existing practices.

Describe how and where interim maintenance support will be provided, if required, during introduction of the system or individual asset types or classes into service.

Perform preliminary repair analysis to a level sufficient to support and justify facilities and personnel requirements for maintenance.

Identify how air, surface, C4ISR and test/support equipment maintenance will be integrated into a maintenance-delivery organization.

Describe how quality of maintenance will be measured and monitored throughout the IDS life cycle.

#### Identify 2. Reliability and Maintainability (R&M)

Establish and explain how the functional design establishes R&M objectives and thresholds based on the design reference mission profiles in the MSMP, and within the constraints on storage, maintenance, transportation, training, and operational use identified during the design process. For example, the adoption of modular ship design concepts may contribute to the

development of highly reliable and maintainable systems, but where will they be stored to support required operations?

Identify mission- or safety-critical single point failure modes along with approaches to mitigate their effects, and reliability goals, design criteria, and characteristics (e.g., elimination through design or making the design robust (e.g., insensitive to the causes of failure, exhibit graceful degradation, or redundant).

Provide analysis of maintainability goals and design criteria, and maintainability design features and characteristics (e.g., accessibility, use of tools, parts commonality, etc.) which support achievement of these goals.

Describe the approach and methodology for ensuring that CANDI will be capable of meeting their allocated R&M requirements.

### 3. Commonality

Establish functional requirements for commonality in equipment selection at system, asset, and major subsystem levels.

Establish functional requirements for asset and process commonality in areas of procurement, maintenance, supply, special tools and support equipment, technical documentation, training, and any other significant logistics-related cost drivers.

### 4. Modularity

Describe the extent to which the functional design is modular to facilitate operation, replenishment, maintenance, and upgrade of hardware and software at the system, asset, and major subsystem levels.

### 5. Open Systems

Describe your management approach to how implementing the Open System architecture requirement of the SPS to include organization, interface requirement and equipment selection criteria.

Deepwater interface design and component selection or detail design will be developed and maintained over the life cycle with an open architecture that maximizes ease of subsystem and component changes, upgrades, and replacement while minimizing interface changes

### 6. Component, Subsystem & System Interface

Describe the extent to which the system and equipment implements standard – i.e. widely used, well defined, and non-proprietary – interfaces (provide reference to asset design products (CDRL A021) as applicable).

### 7. Computer Resources

Provide plan for acquisition, development, training, upgrade, and maintenance of IDS computer software resources.

Identify, or provide functional descriptions of computer programs and data required for system support, including automated condition monitoring programs, maintenance diagnostic routines,

and information-processing systems (provide reference to asset design (CDRL A021) and C4ISR architecture (CDRL A022) products as applicable). "TBDs" are acceptable for mid and far term requirements.

#### 8. Facilities

Assess existing facilities and itemize required facility changes (additions and deletions), facility closures, and new facilities based on impacts from the proposed IDS.

Define asset/facility requirements/interfaces (geographic location, physical dimensions, utility and housekeeping service requirements, etc.) such that the government can assess the need for new facilities or facilities improvements, space needs, utilities, environmental requirements, real estate requirements, and capital equipment Provide the Facility Delivery Schedule needed to support IDS implementation  
etc.

#### 9. Supply Support

Describe Develop the concepts and details of the IDS provisioning process, including responsibilities and schedules and including interface with existing systems and practices.  
Show how provisioning will be applied to reduce program risks and how it will be integrated into the design and development, manufacturing planning, and other key project events  
Develop an outfitting approach i.e.,and implementation for supply functions not related to parts, i.total outfitting: consumables, Allowance Equipment Lists (AELs), charts, publications, medical allowances, etc.  
Establish criteria for considering systematically which, if any, material should be government vice contractor furnished for supply and maintenance items.  
Develop a nominal notional schedule, including projected material support dates.  
Provide for interim supply support and develop an interim supply support plan, as required.  
Identify equipment that is not delivered as an integral component of the IDS assets but is required to support the fielding of assets (e.g., initial spares). "TBDs" are acceptable for mid and far term asset introduction.

#### 10. Support and Test Equipment (S&TE)

Describe the methods, organizational responsibilities, and schedule for identifying and procuring S&TE, for delivery, installation, and checkout of S&TE to each geographic location, and for training operators and maintainers in use of the S&TE.  
Establish a plan for operating, calibrating, maintaining, and replacing S&TE over the IDS life cycle.  
Identify S&TE required to support the fielding of the IDS assets. "TBDs" are acceptable for mid and far term asset introduction.

#### 11. Packaging, Handling, Storage, and Transportation (PHS&T)

Describe the PHS&T methods/procedures for shipment of IDS system components to/from the manufacturer, depot, or supply system warehouse to the IDS asset locations, addressing both

initial destination per IDS delivery schedules and recurring transportation requirements based on maintenance support needs throughout the IDS life cycle.  
Establish equipment transportability requirements in conjunction with packaging requirements to assure that equipment can be shipped and deployment without damage.

## 12. Tech Data

Summarize the technical data requirements for operations at the system, asset and equipment level, and for each level of maintenance by equipment type. "TBDs" are acceptable for mid and far term assets.

Develop the concept for the implementation of technical data to support the IDS for the life cycle, including the interface with the legacy technical data system. The concept shall include but is not limited to technical data configuration management and change tracking, update procedures, method of information dissemination, and data storage.

Tabulate typical equipment and user scenarios to assess and illustrate the effectiveness of access to and use of the data

Establish the technical data development milestone schedule. "TBDs" are acceptable for mid and far term asset introduction  
Provide list of system and asset-level tech manuals, existing or to be developed.

## 13. Legacy Systems

Summarize how and to what extent the development of the IDS ILS system will integrate legacy ILS systems and their support requirements.

Develop strategy and tentative milestones for phase-out, decommissioning, and disposal of legacy assets in accordance with the Contractor's implementation plan

### Availability of Assets

Establish measures of effectiveness and performance thresholds for the assets and systems that underlie and support IDS system level availability requirements (provide reference to asset design products (CDRL A021) as applicable).

- (c) The rights and remedies provided in this clause are in addition to and do not limit any rights and remedies provided to the Government by law or by any other clause of this contract.

## H.28 VERIFICATION AND VALIDATION

The Government shall be allowed access to the Contractor's data records to the extent necessary to perform functions under FAR 52.246-2 , FAR 52.246-3, FAR 52.246-4, FAR 52.246-5 and FAR 52.246-6. Such access may include an independent validation contractor performing corrections to inadequate or incomplete data deliverables pursuant to FAR 52.246-2(h)(1) or FAR 52.246-3 (g)(1), FAR 52.246-4 (f) (1), FAR 52.246-5 (e) (1) and FAR 52.246-6 (g) (1) (i) . .

## H.29 ADDITIONAL PROVISIONS RELATING TO GOVERNMENT PROPERTY

- (a) The Contracting Officer may increase the amount of property to be furnished under an order and the order shall be equitably adjusted to reflect such increase in accordance with procedures of the "CHANGES" clause of the contract.
- (b) Procedures
  - (1) As to all equipment listed in the delivery order, or an attachment to the delivery order as applicable, which will be permanently installed or otherwise built into the asset(s), the AN nomenclature or other model designations given therein are to indicate only the basic description of equipment to be furnished and do not indicate the specific model or manufacturer's equipment that will be furnished. The Government may furnish, without issuing a change under the "CHANGES" clause of the contract, other equipment bearing nomenclature and model designations which further define the specific equipment to be furnished and to further substitute other equipment with different nomenclature or model designations as long as they are geometrically congruent dimensionally and mechanically and electrically interchangeable with the equipment identified in delivery order, or an attachment to the delivery order as applicable.
  - (2) As to all equipment listed in the delivery order, or an attachment to the delivery order, as applicable, which are portable in nature and require only means for stowage in the asset(s), the AN nomenclature or other model designations given therein are to indicate only the basic description of the equipment to be furnished. The Government may furnish, without issuing any change under the "CHANGES" clause of the contract, other equipment bearing different AN nomenclature or other model designations as long as the equipment furnished is functionally interchangeable with the equipment specified in delivery order, or an attachment to the delivery order, as applicable, and no changes in asset stowage provisions are required.
- (c) Unless otherwise specifically directed by the COTR, nonreusable crates and other nonreusable packaging in which Government Property is delivered to the Contractor shall become the property of the Contractor upon removal of the packaged or crated

perform the work. If this repair period begins during but extends beyond the expiration of the warranty period, the Government may leave the ship at the Contractor's plant or return the ship thereto for the correction of defects not previously corrected and for the performance of any additional work required by change orders issued pursuant to the "Changes" clause of this contract prior to the preliminary acceptance and not theretofore performed.

- (e) The Contractor shall exercise reasonable care to protect the asset at all times until the delivery, and thereafter during such times as the ship is at the Contractor's plant during the warranty period or during the repair period if the latter extends beyond the expiration of the warranty period, except for periods of time when the asset is made available to the Government. During such periods, while the asset is at the Contractor's plant, the Contractor shall provide assistance to service the asset, and shall effect any correction of defects or performance of incomplete work, to the extent permitted or required by the Government.
- (f) In accordance with the inspection provisions of the contract, all actions of the Government pursuant to this clause shall be performed in such a manner as to not unduly delay the work.

**Deleted:** The Government also reserves the right to correct deficiencies itself or have a third party make such corrections. The cost of said corrections shall be charged against the Contractor.¶

52.215-12	SUBCONTRACTOR COST OR PRICING DATA	OCT 1997
52.215-13	SUBCONTRACTOR COST OR PRICING DATA-MODIFICATIONS\	OCT 1997
52.215-14	INTEGRITY OF UNIT PRICES	OCT 1997
52.215-15	PENSION ADJUSTMENTS AND ASSET REVERSIONS	DEC 1998
52.215-18	REVERSION OR ADJUSTMENT OF PLANS FOR POSTRETIREMENT BENEFITS (PRB) OTHER THAN PENSIONS	OCT 1997
52.215-19	NOTIFICATION OF OWNERSHIP CHANGES	OCT 1997
52.215-21	REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN COST OR PRICING DATA--MODIFICATIONS ALTERNATE I (OCT 1997) ALTERNATE IV (OCT 1997)	OCT 1997
52.216-7	ALLOWABLE COST AND PAYMENT	MAR 2000
52.216-10	INCENTIVE FEE See section B paragraph B.1.(i) to complete blanks.	MAR 1997
52.216-16	INCENTIVE PRICE REVISION-FIRM TARGET See section B paragraph B.1.(j) to complete blanks.	OCT 1997
52.216-18	ORDERING insert in the first blank "date of contract award" insert in the second blank "expiration of the contract "	OCT 1995
52.216-19	ORDER LIMITATIONS the first, second, and third blanks are to be completed by the contractor.	OCT 1995
52.216-22	INDEFINITE QUANTITY	OCT 1995
52.219-8	UTILIZATION OF SMALL BUSINESS CONCERNS	OCT <u>2000</u>
52.219-9	SMALL BUSINESS SUBCONTRACTING PLAN ALTERNATE II	OCT <u>2000</u> OCT <u>2000</u>
<u>52-219-10</u>	<u>INCENTIVE SUBCONTRACTING PROGRAM</u> insert in the blank "5"	<u>OCT 2000</u>
<u>52.219-16</u>	<u>LIQUIDATED DAMAGES --</u> <u>SUBCONTRACTING PLAN</u>	<u>JAN 1999</u>
52.222-1	NOTICE TO THE GOVERNMENT OF LABOR DISPUTES	FEB 1997
52.222-2	PAYMENT FOR OVERTIME PREMIUMS	JUL 1990
52.222-20	WALSH-HEALY PUBLIC CONTRACTS ACT	DEC 1996
52.222-21	PROHIBITION OF SEGREGATED FACILITIES	FEB 1999
52.222-22	PREVIOUS CONTRACTS AND COMPLIANCE REPORTS	FEB 1999
52.222-26	EQUAL OPPORTUNITY	FEB 1999

52.232-7	PAYMENTS UNDER TIME-AND-MATERIALS AND LABOR-HOUR CONTRACTS	MAR 2000
52.232-8	DISCOUNTS FOR PROMPT PAYMENT	MAY 1997
52.232-9	LIMITATION ON WITHHOLDING OF PAYMENTS	APR 1984
52.232-13	NOTICE OF PROGRESS PAYMENTS	APR 1984
52.232-16	PROGRESS PAYMENTS	JUL 1991
52.232-17	INTEREST	JUN 1996
52.232-18	AVAILABILITY OF FUNDS	APR 1984
52.232-19	AVAILABILITY OF FUNDS FOR THE NEXT FISCAL YEAR	APR 1984
52.232-20	LIMITATION OF COST	APR 1984
52.232-22	LIMITATION OF FUNDS	APR 1984
52.232-23	ASSIGNMENT OF CLAIMS	JAN 1986
52.232-25	PROMPT PAYMENT	JUN 1997
52.232-33	PAYMENT BY ELECTRONIC FUNDS TRANSFER-CENTRAL CONTRACTOR REGISTRATION	MAY 1999
52.233-1	DISPUTES ALTERNATE I (DEC 1991)	DEC 1998
52.233-3	PROTEST AFTER AWARD ALTERNATE I	AUG 1996 JUN 1985
52.237-2	PROTECTION OF GOVERNMENT BUILDINGS, EQUIPMENT, AND VEGETATION	APR 1984
52.237-3	CONTINUITY OF SERVICES	JAN 1991
52.239-1	PRIVACY OR SECURITY SAFEGUARDS	AUG 1996
52.242-1	NOTICE OF INTENT TO DISALLOW COSTS	APR 1984
52.242-2	PRODUCTION PROGRESS REPORTS	APR 1991
52.242-3	PENALTIES FOR UNALLOWABLE COSTS	OCT 1995
52.242-4	CERTIFICATION OF FINAL INDIRECT COSTS	JAN 1997
52.242-13	BANKRUPTCY	JUL 1995
52.243-1	CHANGES-FIXED PRICE	AUG 1987
52.243-2	CHANGES-COST REIMBURSEMENT	AUG 1987
52.243-3	CHANGES-TIME-AND-MATERIALS OR LABOR-HOURS	SEP 2000
52.243-4	CHANGES	AUG 1987
52.243-6	CHANGE ORDER ACCOUNTING	AUG 1984
52.243-7	NOTIFICATION OF CHANGES insert in first blank "within 5 calendar days" insert in second blank "within 5 calendar days"	APR 1984
52.244-2	SUBCONTRACTS ALTERNATE I (AUG 1998)	AUG 1998
52.244-5	COMPETITION IN SUBCONTRACTING	DEC 1996
52.245-2	GOVERNMENT PROPERTY (FIXED-PRICE CONTRACTS)	DEC 1989

Deleted: 52.245-1 . PROPERTY RECORDS . APR 1984¶