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L.1 52.211-2 AVAILABILITY OF SPECIFICATIONS LISTED IN THE DOD INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) AND DESCRIPTIONS LISTED IN THE ACQUISITION MANAGEMENT SYSTEMS AND DATA REQUIREMENTS CONTROL LIST, DOD 5010.12-L (DEC 1999)

Copies of specifications, standards, and data item descriptions cited in this solicitation may be obtained:

From the ASSIST database via the Internet at <http://assist.daps.mil>; or

By submitting a request to the:

Department of Defense Single Stock Point (DoDSSP)
Building 4, Section D
700 Robbins Avenue
Philadelphia, PA 19111-5094
Telephone (215) 697-2667/2179
Facsimile (215) 697-1462.

L.2 52.215-20 REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN COST OR PRICING DATA (ALTERNATE IV)(OCT 1997)

Submission of cost or pricing data is not required.

Provide the information specified in provision L.7.8 TOC Volume Requirements.

L.3 52.216-1 TYPE OF CONTRACT (APR 1984)

The Government contemplates award of a hybrid contract with both firm fixed price, fixed price incentive, and cost type contract line items resulting from this solicitation.

L.4 52.233-2 SERVICE OF PROTEST (AUG 1996)

Protests, as defined in section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office (GAO), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from:

Commandant (G-ACS)
U.S. Coast Guard
2100 Second Street SW
Washington, D.C. 20593-0001
Solicitation No: DTCG230-01-R-D00001

The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

L.5 52.252-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FEB 1998)

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The Offeror is cautioned that the listed provisions may include blocks that must be completed by the Offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the Offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this/these address(es):

<http://www.arnet.gov/References/References.html>

<http://FARSITE.HILL.AF.MIL/Vfdfar1.htm>

<http://www.deskbook.osd.mil/>

FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1) CLAUSES

NUMBER	TITLE	DATE
52.204-6	DATA UNIVERSAL NUMBERING SYSTEM (DUNS) NUMBER	JUN 1999
52.203-6	RESTRICTIONS ON CONTRACTOR SALES	JUL 1995
52.214-34	SUBMISSION OF OFFERS IN THE ENGLISH LANGUAGE	APR 1991
52.214-35	SUBMISSION OF OFFERS IN U.S. CURRENCY	APR 1991
52.215-1	INSTRUCTIONS TO OFFERORS- COMPETITIVE ALTERNATE I	FEB 2000 OCT 1997
52.215-17	FACILITIES CAPITAL COST OF MONEY	OCT 1997
52.232-38	SUBMISSION OF ELECTRONIC FUNDS TRANSFER INFORMATION WITH OFFER	MAY 1999

L.6 NOTIFICATION OF POTENTIAL ORGANIZATIONAL CONFLICT(S) OF INTEREST

The Offeror is reminded that certain existing contractual arrangements may preclude, restrict or limit participation, in whole or in part, as either a subcontractor or as a prime Contractor under this competitive procurement. Of primary concern are those contractual arrangements in which the Contractor provides support to the Deepwater project or related activities (if applicable), in support of operation of the office or any of its programs. General guidance may be found in FAR 9.505; however, this guidance is not all inclusive. The Offeror's attention is directed to the "Organizational Conflict of Interest" (or similar) requirement which may be contained in current or completed contract(s) which prohibits the prime or subcontractor from providing certain supplies or services to the Government as described above during the period of the current "support" contract(s) or for a period after completion of the "support" contract(s). Notwithstanding the existence or non-existence of an Organizational Conflict of Interest (OCI) clause or similar requirement in current or completed contract(s), the Offeror shall comply with

FAR 9.5 and identify whether an OCI exists and not rely solely on the presence of an OCI requirement.

If a potential conflict of interest exists at any tier, the Offeror is required to notify the Contracting Officer within 14 days of the date of this solicitation. The Offeror shall provide: (1) the contract number and name and phone number of the Contracting Officer for the contract which gives rise to a potential organizational conflict of interest; (2) a copy of the requirement; (3) the statement of work (or technical instruction) from the existing contract; (4) a brief description of the type of work to be performed by each subcontractor under the competitive procurement; and (5) any additional information the Contracting Officer should consider in making a determination of whether a conflict of interest exists. The Government may independently verify the information received from the Contractor. Notwithstanding the above, the Government reserves the right to determine whether a conflict of interest exists based on any information received from any source.

The Government will notify an Offeror of any conflict of interest within 14 days of receipt of all required information. Those Offerors deemed to have a conflict of interest may be ineligible for award. Failure to provide the information in a timely manner does not waive the Government's rights to make a conflict of interest determination. The Offeror is notified that if it expends time and money on proposal preparation, such expenditure is at its own risk that the Government will not determine that an organizational conflict of interest exists.

Any Offeror that proposes a subcontractor later determined to have a conflict of interest and deemed ineligible to participate in the current competition, may not be granted the opportunity to revise its proposal to remove the ineligible subcontractor. The Government reserves the right to determine which Offerors remain in the competitive range through the normal source selection process.

If the Offeror determines that a potential organizational conflict of interest does not exist at any tier, the Offeror shall include a statement to that effect in its response to this solicitation.

L.7 SOLICITATION RESPONSE REQUIREMENTS

L.7.1 GENERAL

The Integrated Deepwater System (IDS) acquisition consists of two phases: Phase 1, concept and functional design analyses; and Phase 2, concept and technology development, system development and demonstration, production and deployment, operations and support, and disposal as detailed in Section C of this RFP. This solicitation is for Phase 2 of the IDS project. The purpose of this solicitation is to select one Offeror to perform the Phase 2 contract. The awardee will be responsible for the implementation of the IDS "System of Systems." Phase 2 is based, in part, upon information developed in Phase 1. Therefore, only a member involved in the development of a Phase 1 team's Phase 1 solution, or a legal entity substantially comprised of members involved in development of a Phase 1 team's Phase 1 solution, may submit a proposal as the Prime Contractor for the implementation of the team's IDS developed during Phase 1. The Government will evaluate and consider for award a single proposal submitted by a Prime Contractor for the implementation of its' teams IDS developed during Phase 1. The Government

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 seven separate volumes (with copies) as follows:

Volume	Title	Section (L) paragraph	Original CD	CD copies	Paper copies
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

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. 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.

CD Originals, CD and paper copies of the proposal shall be sent to:

COMMANDANT (G-ACS6/CM)
UNITED STATES COAST GUARD
WASHINGTON DC 20593-0001
RFP DTCG23-01-R-ADWXXXX PROPOSAL
DO NOT OPEN IN MAILROOM, ATTN: MS CATHY MARTINDALE

Note: Offerors wishing to restrict the disclosure of their proposal must mark their proposal in accordance with FAR 52.215-1(e).

All volumes must be received prior to 12:00 noon EDT 28 September 2001.

The Government intends to use non-Government technical experts. Non-disclosure agreements will be executed with each individual who has access to proposal information. The Offeror by submitting his proposal, is giving his consent for review of its proposal by such non-Government technical experts.

The proposal(s) to be submitted (with the exception of those documents submitted in accordance with Attachment J-31) shall be prepared on standard 8-1/2" X 11" paper, single-spaced. Print single-side for each sheet. An 11" X 17" is a two sheet equivalent. The font type shall be Times New Roman with a font size of 12. For text embedded in graphics portions of the proposal, the type font size may be any reasonable font type and size. Text located outside graphic portions of a sheet shall be Times New Roman with a font size of 12, 100% normal character spacing. Parameters for the Microsoft Word 97 paragraph pull down menu under format are as follows: alignment, left; outline level, body text; indentation right and left, -0-; special, "none;" spacing, before/after, -0-; line spacing, single. Pages will have a one-inch all around margin. Paragraphs shall be separated by a single line and indented or left justified. Type font size for foldouts or other pages may not be smaller than size 12. Offerors shall submit their proposal in three-ring binders with index tabs indicating the sections that correspond to those set forth in the paragraphs L.7.6 through L.7.11.

Individual subcontractor/vendor proprietary information may be submitted via separate binders/CDs. The information contained in these binders/CDs must be referenced (by binder title, page and section number as appropriate) within the main proposal where the information would have been included if it were not subcontractor/vendor proprietary. The information in these separate binders/CDs is subject to all other requirements of the RFP and must be well marked to clearly indicate any special handling instructions.

The cover letter, title page, table of contents, table of figures, list of tables and glossary of abbreviations & acronyms do not count against page count limitations.

Proposal contents that exceed the stated page limitations will not be considered by the Government in the evaluation.

Offerors shall describe their proposals in sufficient detail for the Government to understand and evaluate the nature of their approaches. In its evaluation and risk assessment, the Government shall consider the degree of substantiation of proposed solutions in the proposal volumes and in response to any discussions. Nonetheless, the Government is seeking substance, not gloss.

Unnecessarily elaborate brochures or other presentations beyond those sufficient to present a complete effective response to the solicitation are not desired.

L.7.3 CROSS REFERENCING

Each volume, other than the Total Ownership Cost Estimate volume, shall be written to the greatest extent possible on a stand-alone basis so that its content may be evaluated with a minimum of cross-referencing to other volumes of the proposal. Cross-referencing within a proposal volume is permitted where its use would conserve space without impairing clarity. Hyperlinking of cross references is permissible. Information required for proposal evaluation, which is not found in its designated volume or cross referenced, is assumed omitted from the proposal.

L.7.4 GLOSSARY OF ABBREVIATIONS AND ACRONYMS

Each volume shall contain a glossary of all abbreviations and acronyms used. Each acronym used shall be spelled out in the text the first time it appears in the proposal.

L.7.5 COMMUNICATION WITH THE COAST GUARD

Solicitation information and amendments will be emailed to the Offerors. Offerors may email written questions requesting clarification of the RFP to the Government via Contracting Officer, Ms. Cathy Martindale at: cmartindale@comdt.uscg.mil. The Government will answer questions received up to September 7, 2001. Questions received after this date will not be answered. Proposals in response to this RFP WILL NOT be accepted via electronic submission. Only proposals submitted in accordance with Section L.7.2 entitled “Proposal Volumes Requirements” of this solicitation will be accepted. Any proposals received electronically will be deleted and will not be available for Government review or consideration.

L.7.6 EXECUTIVE SUMMARY VOLUME REQUIREMENTS (VOLUME I) (limited to 20 pages)

The Offeror shall provide a concise narrative summary of the entire proposal, including significant design tradeoffs and risks, and highlight any key or unique features, excluding cost/price. Any summary material presented here shall not be considered as meeting the requirements for any portions of other volumes of the proposal.

L.7.7 OPERATIONAL EFFECTIVENESS VOLUME REQUIREMENTS (VOLUME II)

The Operational Effectiveness Volume shall be organized in the following format:

- Section 1 Summary of Design
- Section 2 CONOPS
- Section 3 Air and Surface Asset Designs
- Section 4 C4ISR Architectures

Section 5	Logistics Plans
Section 6	Implementation Plan
Section 7	Operational Effectiveness Modeling Data
Section 8	Validation Tables for Operational Effectiveness

L.7.7.1 SECTION 1 SUMMARY OF DESIGN (*limited to 200 pages*)

L.7.7.1.1 *General Guidance*

The Offeror shall describe the IDS design philosophy and its implementation in the integration of assets, C4ISR capabilities, concepts of operations and logistics plans. The Offeror shall fully describe how the proposed IDS will achieve the performance levels characterized by the input data elements to Center for Naval Analyses (CNA) IDS Asset Assessment Tool (CIAAT). Particular attention should be paid to elements that:

Greatly exceed legacy system performance;

Represent a significant departure from legacy systems in philosophy on CONOPS, CONLOG, or C4ISR architecture; and/or

The Offeror feels will provide significant benefit to the Government.

L.7.7.1.2 *Specific Requirements*

The level of detail may vary for the IDS and specific assets based upon the Offeror’s proposed implementation timeframe for the introduction of assets, C4ISR and logistics capabilities, and concepts of operations. The Offeror shall highlight changes from final Phase 1 functional design.

The following information shall be provided in support of the description of asset designs:

A description of the major components of the IDS and assets in accordance with the general instructions for this section. This includes, but is not limited to:

- (1) General technical and performance characteristics for major components and assets, including but not limited to:

Asset Level Factors

- Sensor Performance
- Stability
- Sustained Speed
- Endurance

System Level Factors

- Quantity of Assets
- Schedule (Availability)
- Assignments (OpAreas)
- Asset Coordination (C4ISR)

Patrol Tactics

- (2) Identification of and relative importance given to the design factors (e.g., weight, fuel efficiency, reliability, maintenance, crewing, performance, and size, etc.) used in arriving at the proposed designs.
- (3) Calculation methods, models, analysis tools, and attendant assumptions demonstrating that the proposed designs meet System Performance Specification (SPS) and derived requirements.

A description of the C4ISR architecture characteristics and plans for the IDS and assets in accordance with the general instructions for this section.

- (1) Performance: Identify those C4ISR systems and system functions that are intended to achieve the most significant improvements in operational performance, as compared to the legacy Coast Guard, and explain why. For instance, an example of how information is entered into the IDS and disseminated to search for, detect, classify, identify, and prosecute targets.
- (2) C4ISR Organization Impact: Summarize the proposed changes to legacy and introduction of new C4ISR-related operational and support organizations (e.g., organizational responsibilities and CONOPS, staffing, training, budget, equipment, and facilities as delineated in paragraph 3.9 of the System Performance Specification, etc.).
- (3) Maritime Domain Awareness: Describe the content and management of information employed in developing the overall Deepwater maritime domain awareness picture. The discussion shall include, but is not limited to, the following: available sources of information, information distribution (e.g., push vs. pull of information), and information timeliness, accuracy, and completeness. In addition, a discussion of how situational awareness that supports well-informed and rapid decision-making by the force commanders at all levels, within a system of flexible and adaptable command relationships shall also be included.

A summary of the IDS level and asset level ISPs in accordance with the general instructions for this section. As a minimum, include the following:

- (1) Identify the overall manpower requirements to operate the IDS and its assets.
- (2) Identify the overall support resources (manpower, commercial, and organic) required to support the IDS and its assets and impact on the USCG legacy support activities. Identify and describe the criteria for outsourcing vs. organic support decisions.
- (3) Provide tables of participating activities including both Government and Offeror activities participating in logistics support, with definitions of their responsibilities and interfaces, including the transition of the organization over time.

- (4) A description of the plan, including process/methodology, responsibility assignments, and schedule for integrating human systems into system-level and asset-level design.
- (5) Describe how supportability is implemented in the proposed hardware and software designs of assets and their major subsystems.
- (6) Establish measures of effectiveness and performance thresholds for the assets and capabilities that underlie and support IDS system level availability requirements.

The Offeror shall describe the integration of asset systems required to obtain asset performance and unique synergies derived from their technical and operational integration.

Identification of areas of uncertainty and risks in the asset designs, C4ISR and logistics capabilities, and their technical and operational integration being proposed. Describe how these areas affect the refinement of the design, the mitigation strategy, and the resources necessary for their resolution.

L.7.7.2 SECTION 2 CONOPS (no page limit)

The Offeror shall submit a CONOPS in accordance with the requirements specified in Section 3.19.4.1 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 changes from the final Phase 1 deliverable with bold text and red color. Changes from the Phase 1 deliverable are not limited to concerns communicated by the Contracting Officer regarding final CDRL submission in Phase 1.

The CONOPS of the successful Offeror may be incorporated in the resulting contract as Attachment J-17. CONOPS 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.7.7.3 SECTION 3 AIR AND SURFACE ASSET DESIGNS (no page limit)

The Offeror shall submit Air and Surface Asset Designs in accordance with the requirements specified in Section 3.19.4.2 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 changes from the final Phase 1 deliverable with bold text and red color. Changes from the Phase 1 deliverable are not limited to concerns communicated by the Contracting Officer regarding final CDRL submission in Phase 1.

The Asset Performance Specifications of the successful Offeror may be incorporated in the resulting contract as Attachments J-5 for Surface and J-6 for Air. The Offeror shall include in the Asset Performance Specifications those salient design characteristics and attributes which support the attainment of performance requirements and which represent beneficial design features which the Offeror commits to provide. Asset Performance Specifications 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.

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 changes from the final Phase 1 deliverable with bold text and red color. 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. The proposal should reflect a maturation of the deliverable submitted during Phase 1. The Offeror will highlight changes from the final Phase 1 deliverable with bold text and red color. Changes from the Phase 1 deliverable are not limited to concerns communicated by the Contracting Officer regarding final CDRL submission in Phase 1.

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 changes from the final Phase 1 deliverable with bold text and red color. 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 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 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 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. **NO PRICE/COST INFORMATION IS TO BE PRESENTED IN THE TECHNICAL MANAGEMENT OR BUSINESS 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.

The Total Ownership Cost Estimate Volume shall be organized in the following format, with attachments, if any, incorporated in the relevant sections:

- Section 1 Section B Contract Line Items (Copy)
- Section 2 Life Cycle Cost Estimate
- Section 3 Supporting Information

The Offeror shall clearly identify its subcontractors and the scope of their efforts.

The offer should be sufficiently detailed to demonstrate its reasonableness and realism. The burden of proof for credibility of proposed costs/prices rests with the Offeror.

Note that unrealistically low or high proposed costs or prices, initially or subsequently, may be grounds for eliminating a proposal from competition either on the basis that the Offeror does not understand the requirement or has made an unrealistic proposal.

L.7.8.1 SECTION 1 SECTION B CONTRACT LINE ITEMS (COPY)

The Offeror shall include a completed copy of Section B from the model contract.

L.7.8.2 SECTION 2 LIFE CYCLE COST ESTIMATE

In accordance with the MSMP, Appendix D, Section D.10.3 (using Table D-159 in place of Table D-145), the Offeror shall provide a life cycle cost estimate for the proposed IDS and each of the assets for a 40-year period commencing in 2002. For the proposed IDS life cycle cost estimate, the Offeror shall assume notional funding of \$300 million (FY2002 dollars) for the first year and out-year funding levels of \$500 million (FY1998 dollars) in AC&I appropriations. In addition, the Government has identified the annual operating expense associated with operating Legacy Deepwater assets at \$996.2 million (FY1998 dollars).

The life cycle cost estimate (LCCE) shall include facility impacts and all estimated costs in the 40-year period required for the Coast Guard to carry out the IDS as proposed. The following exceptions apply:

Operating Expense appropriations, meeting one of the below descriptions:

- (1) If the Deepwater allocation of a legacy Coast Guard unit's operating expenses are not included in the 90% planning factor discussed on page C-107 of the MSMP as detailed in the 'Results of Analysis of Expenditures Directly Attributable to Deepwater Assets' report dated December 2000, then those legacy baseline operating expenses are not to be included in the LCCE nor shall they be reported in section L.7.8.3.4. This exception does not apply to the USCGC Alex Haley or the six HU-25s and two HH-65s that entered service after 1998 and have been incorporated into the MSMP. Any increases due to the proposed IDS to the operating costs of the units covered under this exception, however, are to be included in the LCCE.

- (2) If the Deepwater allocation of a legacy Coast Guard unit's operating expenses is not included in the 90% planning factor discussed on page C-107 of the MSMP, any decreases are not to be included in the LCCE but can be incorporated in section L.7.8.3.4.
- (3) If the Deepwater allocation of a legacy Coast Guard unit's operating expenses is included in the 90% planning factor discussed on page C-107 of the MSMP, any decreases beyond the amount allocated to the planning factor are not to be included in the LCCE but can be incorporated in section L.7.8.3.4.
- (4) Military retirement costs are not to be included in the LCCE nor shall they be reported in section L.7.8.3.4.
- (5) Ammunition costs associated with Navy-Type Navy-Owned equipment or their functional equivalents are not to be included in the LCCE but shall be incorporated in section L.7.8.3.4.

AC&I appropriations, meeting one of the below descriptions:

- (1) Costs associated with shutting down (e.g. demolition, code compliance, or environmental cleaning) or salvaging (e.g. sell the property) a base, in the case of full or partial closure, are not to be included in the LCCE nor shall they be reported in section L.7.8.3.4. Rebuild requirements associated with sustaining the Deepwater facility plant, however, shall be incorporated in section L.7.8.3.4.
- (2) Government incurred internal program management costs not associated with a CLIN and not required by the IDS proposal are not to be included in the LCCE nor shall they be reported in section L.7.8.3.4.

The life cycle cost estimate shall conform to the requirements in Attachment J-19, MSMP and J-19A, Phase 2 Specific MSMP Supplement. Estimates shall be provided to the lowest levels for all applicable elements of the WBS and ACCs provided in the MSMP Appendix D and the Offeror shall provide separate narratives for descriptions and rationale used in its life cycle cost estimate.

The sum of all Table D-159 costs relating to a particular Contract Line Item Number (CLIN), must be consistent with deflating the CLIN contract price to FY1998\$ using the inflation rates specified in Table C-58: Inflation Factors in the MSMP. "Contract price" means the price of a firm-fixed price CLIN, the *ceiling* price of a fixed-price-incentive CLIN, the target cost plus target fee of a cost-plus-incentive-fee CLIN, and the ceiling price of a time-and-materials CLIN. Likewise, for comparison purposes between Table D-159 and the notional funding streams, any portion of the funding stream not provided in FY1998\$ will be adjusted to FY1998\$ using the inflation rates specified in Table C-58: Inflation Factors.

L.7.8.3 SECTION 3 SUPPORTING INFORMATION

L.7.8.3.1 *Internal Systems*

The Offeror shall provide information about the following internal systems:

Estimating System. The Offeror shall provide a summary description of its standard estimating system or methods. The summary description shall cover separately the following generic cost areas: Direct Material, Engineering Labor, Manufacturing Labor, Overheads, Other Direct Costs, G&A, and Facilities Capital Cost of Money. This list should be tailored to match the Offeror's estimating system categories. The Offeror shall identify any deviations from its standard estimating procedures in preparing this proposal volume. The Offeror shall indicate whether it has Government approval of its system and if so, provide evidence of such approval.

Purchasing System. The Offeror shall provide a summary description of its purchasing system or methods (e.g., how material requirements are determined, how sources are selected, when firm quotes are obtained, what provision is made to ensure quantity and other discounts). The Offeror shall identify any deviations from its standard procedures in preparing this proposal. The Offeror shall indicate whether it has Government approval of its system and if so, provide evidence of such approval.

Accounting System. The Offeror shall indicate whether it has Government approval of its accounting system and if so, provide evidence of such approval. The Offeror shall identify any deviations from its standard procedures in preparing this proposal.

The requirements of this section shall also apply to first tier subcontractors.

L.7.8.3.2 *Contract Line Item Numbers*

The supporting information required in this section is in addition to that required under paragraph L.7.8.2 (Life Cycle Cost Estimate). These requirements apply to all cost records whose Contract Type is not *Non-Contract, Government-Incurred*.

L.7.8.3.2.1 Estimating Rationale

The Offeror shall provide additional information to support its rationale for cost records as specified below:

For cost records where parametric methods were used to estimate the cost, provide:

- (1) The specific historical data point(s) used.
- (2) The type and source of the historical data (e.g., actual man-hours from the Offeror's accounting system).
- (3) Any adjustments made to the historical data and the supporting rationale for them.
- (4) The equation calculated from the data with associated statistical measures (i.e., F and T statistics, significance levels, r-squared and standard error).

- (5) Show the application of G&A, fee/profit, and any other rates or factors used in the buildup of the estimate.

Where engineering methods were used:

- (1) Provide a breakdown of the cost estimate by direct labor hours, direct labor dollars, direct material, and overhead. Where the effort represented by the cost record was divided into subtasks for estimating purposes, provide the breakdown at the top subtask level.
- (2) Show the application of G&A, fee/profit, and any other rates or factors used in the buildup of the estimate.

Where analogy methods were used to estimate the cost, provide:

- (1) The specific historical data point(s) used.
- (2) The type and source of the historical data (e.g., actual man-hours from the Offeror's accounting system).
- (3) Any adjustments made to the historical data and the supporting rationale.
- (4) Show the application of G&A, fee/profit, and any other rates or factors used in the buildup of the estimate.

Where expert opinion methods were used to estimate the cost, identify:

- (1) The key individuals or organizations who contributed significantly to the estimate and their relevant qualifications.
- (2) The major factors that were considered in making the estimate (e.g. experience with similar projects) and explain how those factors influenced the cost.
- (3) Show the application of G&A, fee/profit, and any other rates or factors used in the buildup of the estimate.

Where a cost estimate is a commercial price

- (1) If based on a catalog price (i.e. a "published price list"), identify the relevant commercial catalog, its date, catalog price for the item, and discounts offered. Provide a list of all sales for the item in similar quantities during the last three years. Explain any differences between the offered price, the established catalog price, and the prices of the recent sales. The government reserves the right to request a copy of the catalog, sales documents, or other data to evaluate the information provided.
- (2) If a market price (i.e. a "published market price"), describe the nature of the relevant market and how that market affects the offered price including the source and date or period of any relevant market quotation or other basis for market price, the base market price, and applicable discounts or other price adjustments.

The government reserves the right to ask for additional information to evaluate the market price.

- (3) If another type of commercial price (i.e. “similar indexes”), provide evidence of prices charged other customers under similar circumstances of quantity, terms, and conditions. The government reserves the right to request a copy of the purchase order and other supporting documentation to evaluate the price.
- (4) Show the application of G&A, fee/profit, and any other rates or factors used in the buildup of the estimate.

L.7.8.3.2.2 Changes

Where the cost in the LCCE differs from the final Phase 1 CDRL A027/A031 D-145 submission by the thresholds specified below, the Offeror shall provide a written explanation for the cause of the change, to include rationale, by discussing the lowest level elements of the WBS involved in the change. If a cost change associated with the same cost estimate and rationale occurs for more than one asset and/or more than one year within the same asset type, only one explanation need be provided for those equivalent changes. The below thresholds apply separately to AC&I and OE.

For Air or Surface asset IDs, the threshold is an increase or decrease of \$2 million or 25%, whichever is less, in an annual cost rolled up to the two-digit work breakdown structure level, e.g. 1.1.

For C4ISR or Logistics asset IDs, the threshold is an increase or decrease of \$2 million or 25%, whichever is less, in an annual cost rolled up to the first-digit accounting cost category level, e.g. 3.0.

L.7.8.3.2.3 Management Reductions

The Government does not desire or encourage management reductions in contract costs. However, if the Offeror chooses to do so, the following shall apply:

Where estimated costs to perform the proposed effort have been decreased due to a management decision, provide a summary of the reduction by major cost element summary. Also provide complete rationale for the reduction.

Any cost reductions made in the proposal that are attributed to commonality with other programs, company-funded efforts, or capitalization of equipment must be supported with the following:

Commonality	Identify the specific program(s) and why it is applicable. Address the cost allowability and allocability of this action per FAR and the company’s CAS Disclosure Statement.
Company-Funded Efforts	Identify the specific efforts, the planned start and end dates, the applicability to the current solicitation, the source of company funding and how the company plans to account for or allocate these costs in accordance with generally accepted accounting principles and the company’s CAS Disclosure Statement, if applicable.
Capital Equipment	Identify the specific item(s) capitalized and what other applications exist for the equipment, provide corporate approvals for each action, address the cost allowability and allocability of the action per the FAR and the company’s CAS Disclosure Statement.

L.7.8.3.2.4 Subcontracts

The requirements of this section shall also apply to information derived from first and second tier subcontractors.

L.7.8.3.3 Other IDS Life Cycle Costs

The supporting information required in this section is in addition to that required under paragraph L.7.8.2 (Life Cycle Cost Estimate). These requirements apply to all cost records whose Contract Type is *Non-Contract, Government-Incurred*.

L.7.8.3.3.1 Estimating Rationale

Where the estimated cost of any cost record equals or exceeds \$1 million or the same rationale supports multiple cost records that together total \$1 million or more, the Offeror shall provide additional information to support its rationale for those cost records as specified below:

For cost records where parametric methods were used to estimate the cost, provide:

- (1) The specific historical data point(s) used.
- (2) The type and source of the historical data (e.g., actual man-hours from the Offeror’s accounting system).
- (3) Any adjustments made to the historical data and the supporting rationale.
- (4) The equation calculated from the data with associated statistical measures (i.e., F and t statistics, significance levels, r-squared and standard error).

Where engineering methods were used, provide a summary of the major cost elements for each cost record. Major cost elements means direct labor hours, direct labor dollars, the total of all indirect costs, and profit.

Where analogy methods were used to estimate the cost, provide:

- (1) The specific historical data point(s) used.
- (2) The type and source of the historical data (e.g., actual man-hours from the Offeror's accounting system).
- (3) Any adjustments made to the historical data and the supporting rationale.

Where expert opinion methods were used to estimate the cost, identify:

- (1) The key individuals or organizations who contributed significantly to the estimate and their relevant qualifications.
- (2) The major factors that were considered in making the estimate (e.g. experience with similar projects) and explain how those factors influenced the estimate.

L.7.8.3.3.2 Changes

Where the cost in the LCCE differs from the final Phase 1 CDRL A027/A031 D-145 submission by the thresholds specified below, the Offeror shall provide a written explanation for the cause of the change, to include rationale, by discussing the lowest level elements of the WBS involved in the change. If a cost change associated with the same cost estimate and rationale occurs for more than one asset and/or more than one year within the same asset type, only one explanation need be provided for those equivalent changes. The below thresholds apply separately to AC&I and OE.

For Air or Surface asset IDs, the threshold is an increase or decrease of \$2 million or 25%, whichever is less, in an annual cost rolled up to the two-digit work breakdown structure level, e.g. 1.1.

For C4ISR or Logistics asset IDs, the threshold is an increase or decrease of \$2 million or 25%, whichever is less, in an annual cost rolled up to the first-digit accounting cost category level, e.g. 3.0.

L.7.8.3.3.3 Subcontracts

The requirements of this section shall also apply to information derived from first and second tier subcontractors.

L.7.8.3.4 *Increases and Decreases Outside of the IDS LCCE*

The Offeror shall provide estimates of the cost increases and decreases, both recurring and non-recurring, associated with each area identified for evaluation in Section M.4.3.(b).

L.7.8.3.4.1 Estimating Rationale

The estimate shall include a description of the effect the Offeror's proposed IDS will have and the difference in cost attributable to implementing the proposed IDS. The Offeror shall provide the following supporting detail:

Where parametric methods were used to estimate the cost, provide:

- (1) The specific historical data point(s) used.
- (2) The type and source of the historical data (e.g., actual man-hours from the Offeror's accounting system).
- (3) Any adjustments made to the historical data and the supporting rationale.
- (4) The equation calculated from the data with associated statistical measures (i.e., F and t statistics, significance levels, r-squared and standard error)

Where engineering methods were used to estimate the cost, provide a summary of the major cost elements for each estimate. Major cost elements means direct labor hours, direct labor dollars, the total of all indirect costs, and profit.

Where analogy methods were used to estimate the cost, provide:

- (1) The specific historical data point(s) used.
- (2) The type and source of the historical data (e.g., actual man-hours from the Offeror's accounting system).
- (3) Any adjustments made to the historical data and the supporting rationale.

Where expert opinion methods were used to estimate the cost, identify:

- (1) The key individuals or organizations who contributed significantly to the estimate and their relevant qualifications.
- (2) The major factors that were considered in making the estimate (e.g. experience with similar projects) and explain how those factors influenced the estimate.

Where a cost estimate is a commercial price

- (1) If based on a catalog price (i.e. a "published price list"), identify the relevant commercial catalog, its date, catalog price for the item, and discounts offered. Provide a list of all sales for the item in similar quantities during the last three years. Explain any differences between the offered price, the established catalog price, and the prices of the recent sales. The government reserves the right to request a copy of the catalog, sales documents, or other data to evaluate the information provided.
- (2) If a market price (i.e. a "published market price"), describe the nature of the relevant market and how that market affects the offered price including the source and date or period of any relevant market quotation or other basis for market price, the base

market price, and applicable discounts or other price adjustments. The government reserves the right to ask for additional information to evaluate the market price.

- (3) If another type of commercial price (i.e. “similar indexes”), provide evidence of prices charged other customers under similar circumstances of quantity, terms, and conditions. The government reserves the right to request a copy of the purchase order and other supporting documentation to evaluate the price.

The Offeror shall provide references to the Air and Surface Asset Designs, C4ISR Architecture, or Logistics Plan paragraph numbers as appropriate and to the relevant Implementation Plan paragraph number.

L.7.8.3.4.2 Subcontracts

The requirements of this section shall also apply to information provided by first and second tier subcontractors.

L.7.8.3.5 *Cross-Check of Life Cycle Cost Estimates*

The Offeror shall state the total life cycle cost estimate for a 40-year period commencing in 2002 for the total proposed IDS based on the data in table D-159 and for each of the assets. Each estimate shall be broken out by Operational Expense, and Acquisition, Construction, and Improvements appropriation. The definition of assets is found Attachment J-27, Definitions.

L.7.9 MANAGEMENT VOLUME REQUIREMENTS (VOLUME IV) (limited to 75 pages total for Sections 1 and 2 with no page limit for Section 3)

The Management Volume shall be organized in the following format, with attachments, if any, incorporated in the relevant sections:

Section 1	Management, Organization and Controls
Section 2	Systems Integration
Section 3	Phase 2 Work Plan

L.7.9.1 SECTION 1 MANAGEMENT, ORGANIZATION AND CONTROLS

L.7.9.1.1 *Program Management*

The Offeror shall provide a description of the management organization, staffing, coordination, and processes to be used for this contract to ensure effective cost, schedule, and technical performance. The Offeror shall also describe its risk management system approach and process to identify, analyze, mitigate, report, and track all critical program risks. The Offeror shall also provide a discussion of his/her lessons learned during Phase I contract performance, to include, but not limited to: (1) management tools and procedures used to capture areas for improvement (e.g. data sharing, review processes, interaction with Government Technical Assessment Teams/System Integration Team and subcontractors, etc.); (2) corrective actions taken and

results achieved; and (3) application to Phase II. In addition, shall include the following elements:

L.7.9.1.1.1 Integrated Management Plan (IMP)

The Offeror shall provide the proposed IMP in accordance with J-7.2.1.1 for the base period of this contract. (Note: the proposed IMP shall be provided as an appendix to the Management Volume (Volume IV) and is not page count limited.)

L.7.9.1.1.2 Integrated Master Schedule (IMS)

The Offeror shall provide the proposed IMS in accordance with J-7.2.1.4 for the base period of this contract. (Note: the proposed IMS shall be provided as an appendix to the Management Volume (Volume IV) and is not page count limited.)

L.7.9.1.2 *Quality Assurance*

The Offeror shall describe the quality assurance system that will be used for this contract. The Offeror shall identify the guidelines to be used to assure that defects are identified, documented, and corrected. The Offeror shall also identify how the system determines root causes of such defects, and what mechanisms or processes exist to prevent the root causes and defects from recurrence. The Offeror shall explain how the system will be implemented and maintained to ensure that the products delivered to the government fully conform to the requirements of the contract.

L.7.9.1.3 *Data Management*

The Offeror shall describe the data management environment including systems and procedures that will be used for this contract. The Offeror shall describe the salient features of the data management environment that enable collaborative design, management and cost effective support of the IDS. The Offeror shall identify the systems and procedures that will be established and describe how planning and status reporting of all project data will be accomplished. The Offeror shall also identify how the system will be utilized to maintain a historical record of submittals. The Offeror shall explain how the system will be implemented and maintained to ensure that the products delivered to the government fully conform to the requirements of the contract.

L.7.9.1.4 *Environmental Management*

The Offeror shall describe its approach to integrating environmental management into the design and support of the IDS and to satisfying the Environmental Management Program requirements.

L.7.9.1.5 *Asset Production and Support Capability*

The Offeror shall provide a description of the production and support capabilities and respective management organizations including any first or second tier subcontractors that will be used for this contract. The Offeror shall describe any changes to the management organization as the

project transitions from design through construction and sustainment. The Offeror shall provide a phased schedule for all major design and engineering work envisioned. The Offeror shall also identify how the detail design effort will be integrated with construction and modernization efforts, and shall discuss the process by which production and sustainment is accounted for in design.

L.7.9.2 SECTION 2 SYSTEMS INTEGRATION

L.7.9.2.1 *Systems Engineering*

The Offeror shall describe the IDS systems engineering program that will be used for this contract. The Offeror shall describe how the systems engineering program will be used to ensure the application of sound and consistent technical planning and decision processes; thorough consideration of all appropriate levels of technical detail definition and maintenance of configuration management; system-wide attention to the identification and management of all manner of critical interfaces at all levels; and effective communication of engineering data across the IPPD. The description should include a methodology for making tradeoffs that optimize IDS performance, facilitate sensitivity analyses and contingency planning. The Offeror shall describe its configuration management processes, systems and controls that will be used to track IDS technical baselines. The Offeror shall also address the mechanism for introducing new technologies into the IDS including a brief description of the information technology strategy that will be used in their IDS effort.

L.7.9.2.2 *C4ISR Architecture planning*

The Offeror shall describe the C4ISR Architecture planning that will be used for this contract. The Offeror shall describe the process for transitioning from the legacy C4ISR architecture to the proposed C4ISR IDS and assets architectures and into individual C4ISR asset design, development, production and life cycle support. The Offeror shall describe changes to the Coast Guard technical priorities as new technologies and standards are introduced that will be needed to support the intended IDS's interoperability, performance, security, availability, modifiability, and supportability. The Offeror shall discuss the technical approach used to ensure the developed assets or systems capabilities in the IDS are both open and modular for system upgrades, easily repaired or replaced, rapidly changed or tailored for mission effectiveness. The Offeror shall explain the IDS software development methodology (include reference to you proven level of expertise in delivering reliable, timely and cost effective software). Describe your maturity (SW-CMM) in managing large software design and development projects, your method of costing software, and your related quality assurance efforts.

L.7.9.2.3 *IDS Integrated Logistics Planning*

The Offeror shall describe the IDS Integrated Logistics Planning that will be used for this contract. The Offeror shall identify how ILS principles and practices are coordinated and applied at the IDS system and asset design level throughout all acquisition phases for the life of the IDS.

L.7.9.2.4 *Test & Evaluation (T&E) Program*

The Offeror shall describe the T&E Program that will be used for this contract. The Offeror shall describe how the T&E Program will be structured to integrate Developmental Test and Evaluation (DT&E), Operational Test and Evaluation (OT&E), modeling and simulation, requirements validation, scheduling, planning, and execution as an efficient continuum at the IDS and asset levels. The Offeror shall also identify how such activities will reduce and mitigate risk; provide evidence of the attainment of IDS technical performance; and verify the operational effectiveness and suitability of the IDS and its assets, systems, equipment, and components.

L.7.9.2.5 *IDS Performance/Cost Tradeoff Analysis*

The Offeror shall describe the IDS Performance/Cost Tradeoff Analysis methodology that will be used for this contract. The Offeror shall describe how ongoing IDS system and asset level analyses of the tradeoffs and synergies amongst IDS design, operations, and support concepts and associated system costs and operational effectiveness will be conducted. The Offeror shall also identify how these analyses will form the basis for proposing the introduction of new concepts into the IDS or removal of baseline concepts, refining key system and asset characteristics, implementation planning, and concept of operations to continually seek further opportunities to maximize operational effectiveness while minimizing total ownership cost.

L.7.9.3 SECTION 3.0 PHASE 2 WORK PLAN

L.7.9.3.1 *Statements of work/CDRL's*

Systems Integration and Management work is defined in Attachment J-7, the Systems Integration and Management SOW. To complete this SOW for evaluation, the Offeror shall provide detailed IDS-level logistics tasks for the base period based upon Attachment J-20, the Logistics Requirements Matrix, including additions, deletions, modifications and milestones for the activities in this matrix in accordance with your proposed IDS and Asset ISPs, CONOPs, IMS/IMP, Implementation Plan and unique production capabilities or processes. The Offeror shall identify the level of detail and when the work associated with each requirement of Attachment J-20 will be performed.

The Offeror shall provide for evaluation Statements of Work (SOW) for all asset task and/or delivery orders that the Offeror plans for performance during the base period of this contract. Asset SOWs shall be derived from Attachments J-8 through J-11, the Asset Statements of Objectives (SOO's), in accordance with the guidance contained in these SOO's, the instructions contained in Section 2.10.2.1 and 2.10.2.2, including all subsections, of Attachment J-7, the Statement of Work for Systems Integration and Management, and Attachment J-32, the Contractor-Developed Statement of Work Template. In addition, for each task and/or delivery order SOW that the Offeror plans for performance during the first year of the contract, the Offeror shall include a combined management and technical proposal for execution of the proposed effort in accordance with Section 2.10.2.3, including all subsections, of Attachment J-7, the Statement of Work for Systems Integration and Management. The SOO's provide the Government's overall objectives for this solicitation. The Offeror shall ensure all aspects of the SOO are addressed. The Offeror developed SOW's should specify in clear, understandable terms

the work to be done in developing, producing, or otherwise providing the goods or services that are needed to satisfy a particular requirement and an ability to define what is required in specific, performance based, quantitative terms. For complex interrelationships among RFP/contract documents, use of a cross-reference matrix may be helpful. The Contractor shall identify any “boilerplate” SOW content (i.e. common task descriptions invoked in multiple SOWs), whether derived from RFP source documents or contractor generated, by the use of italics to highlight task commonality and facilitate review. The Offeror shall use its proposed SOWs to prepare a CDRL including appropriately tailored data item description references. Attachment J-12, the Data Requirements List, list the minimum Government data requirements. The Offeror shall include additional data requirements as appropriate to satisfy the objectives of the SOOs and as detailed in the SOWs. All data requirements shall be traceable to specific tasks defined in the SOW’s. Each specific data requirement shall be selected from DoD 5010.12-L and specified on DD Form 1423. The Offeror’s understanding of both required goods/services, and work effort required to accomplish should be fully demonstrated in the Offeror’s proposed Contractor Work Breakdown Structure, SOW(s) and CDRL(s).

L.7.9.3.2 IDS Performance Measurement Plan

Describe the application of performance measurement to the management of the IDS. The plan shall specifically identify critical quantifiable performance metrics, standards, and performance measurement tools essential to a concise but accurate measurement of the Contractor’s performance toward maximizing IDS operational effectiveness and minimizing total ownership cost. Specific performance metrics may be derived from other management processes such as EVMS, T&E, Performance/Cost Analysis. The Performance Measurement Plan shall include the following elements:

- System-level performance metrics and standards described in accordance with Table L.1.
- How performance metrics will support Total System Integration Responsibility assessment, Award Term Evaluation and individual task and/or delivery order management.
- Methodology to aggregate the results of all individual metrics in an “executive dashboard” summarizing the status and trends of contractor performance towards maximizing operational effectiveness and minimizing total ownership cost.
- The application of performance metrics with respect to incentives under the contract.

The Performance Measurement Plan of the successful Offeror may be incorporated in the resulting contract as part of the Integrated Management Plan..

Table L.1 Template for Development of Specific IDS Performance Metrics

Section Number	Title	Description
1.0	Performance Metric Name	Provide a brief name for the attribute of performance to be measured.
2.0	Performance Metric Description	Explicitly describe the attribute of performance to be measured, the specific IDS objective(s) related to the attribute of performance, and the scope of the measurement (i.e. what the measurement includes).
3.0	Measurement Responsibility	Identify the organizational element responsible for performing the measurement.
4.0	Frequency	Identify how often the measurement is performed, summarized, and reported.
5.0	How Measured	Identify the measurement and scoring methodology (e.g., how calculated, how monitored/audited).
6.0	Level of Performance	Specify the level(s) of performance subject to the measurement (e.g. interim to fully implemented IDS; levels of demand for MAROPSSIM), etc.).
7.0	Performance Standard(s)	Specify the standard(s) that applies to each performance level defined in Block #6 above.
8.0	Incentive	Provide a narrative description of the incentive applicable to exceeding the specified performance standard(s).

L.7.9.3.3 Subcontracting Plan

Provide the Offeror’s Small Business and Small Disadvantaged Business Subcontracting Plan in accordance with FAR 52.219-9.

The Subcontracting Plan of the successful Offeror may be incorporated in the resulting contract as Attachment J-29. Post-award changes to the Subcontracting Plan proposed by the Offeror will require Government approval.

L.7.10 TECHNICAL VOLUME REQUIREMENTS (VOLUME V) (limited to 200 pages)

The Technical Volume shall be organized in the following format, with attachments, if any, incorporated in the relevant sections:

- Section 1 SPS Compliance Requirement Group 1
- Section 2 SPS Compliance Requirement Group 2

Section 3 SPS Compliance Requirement Group 3

The Offeror shall demonstrate traceability of SPS requirements to allocated System and Asset Performance Specifications, C4ISR architectures, and ISPs using the template provided (Attachment J-24). A narrative description shall clearly explain how and by what assets and capabilities the requirement is satisfied. For each SPS requirement identified in paragraphs L.7.10.1, L.7.10.2 and L.7.10.3 below, the Offeror shall:

Identify the asset(s), capability, or service in your proposed IDS that provide traceability for compliance with the requirement.

Summarize the key technical characteristics of the system and the assets identified in (a) to support the requirement.

Summarize the key operational characteristics of the systems or asset(s), as proposed in the CONOPs, which are elements critical to successfully meeting the requirement.

Summarize transition issues that affect how this requirement is met throughout the implementation period. Discuss the affect in relation to operations, systems, support, and cost as applicable.

Describe any limitations or restrictions in meeting the requirement. Discuss the limitations or restrictions in relations to operations, systems, support, and cost as applicable.

Provide specific references to substantiating information in other volumes. The references shall include the document version, section, page, and paragraph numbers; and figures and table numbers if applicable.

L.7.10.1 SECTION 1 SPS COMPLIANCE REQUIREMENT GROUP 1

(a) Functional Capabilities Requirements
SPS 3.1 Functional Capabilities
SPS 3.1.1 IDS Demand
SPS 3.1.2 Margins
(b) Information Exchange Capabilities Requirements
SPS 3.3.1 Exchange Information with Other CG Assets
SPS 3.3.2 Embarked Staff
SPS 3.3.3 Information Exchange with External Organizations
SPS 3.3.4 Dissemination
SPS 3.3.5 Protect Information Exchanges at Appropriate Level of Security
(c) Information Support Capabilities Requirements
SPS 3.4.1 Access Data Bases and Data
SPS 3.4.1.1 Target Information
SPS 3.4.2 Store and Archive Information
SPS 3.4.3 Preserve Data Integrity
SPS 3.4.4 Preserve Data Security
SPS 3.4.5 OPSEC
SPS 3.4.6 OPDEC
(d) Prosecution Requirements
SPS 3.6.1 Enforcement

SPS 3.6.2 Response Time (Distress)
SPS 3.6.3 Response Time (NERO)
SPS 3.6.4 Intercept and Interdict
SPS 3.6.5 Conduct Boardings
SPS 3.6.5.1 Pathogens
SPS 3.6.5.2 Hazardous Atmospheres
SPS 3.6.6 Command Presence
SPS 3.6.7 Transfers
SPS 3.6.8 Escort
SPS 3.6.9 Towing
SPS 3.6.10 Transport
SPS 3.6.11 Port Security
SPS 3.6.12 HAZMAT Response Capabilities
SPS 3.6.13 Divert or Seize Vessels
SPS 3.6.14 ESM/ECM
SPS 3.6.15 EMCON
SPS 3.6.16 Hazards to Navigation
(e) National Security Cutter Requirements
SPS 3.8.1 General
SPS 3.8.1.1.1 Commercial Shipping
SPS 3.8.1.1.2 CVN Flight Operations
SPS 3.8.1.2 Endurance
SPS 3.8.1.3 Replenishment
SPS 3.8.1.4 Survivability
SPS 3.8.1.5 Damage Stability
SPS 3.8.2.1 Detect and Track
SPS 3.8.2.1.1 Detect and Track for Assigned Forces
SPS 3.8.2.2 Board and Seize
SPS 3.8.2.2.1 Warning Shots / Disabling Fire
SPS 3.8.2.3 Boat Transport, Deliver, and Retrieve
SPS 3.8.2.4 Surface Threats
SPS 3.8.2.5 Own-ship Defense
SPS 3.8.2.6 Avoid Surface Attack
SPS 3.8.2.6.1 Avoid Surface Attack For Assigned Forces
SPS 3.8.2.7 Launch and Recover Aircraft
SPS 3.8.2.8 Control Aircraft
SPS 3.8.3.1 Air Targets
SPS 3.8.3.2 Hard-Kill Cruise Missiles
SPS 3.8.3.3 Soft-Kill Cruise Missiles
SPS 3.8.4.1 Launch and Recover Aircraft
SPS 3.8.4.2 Control Aircraft
SPS 3.8.4.3 Vulnerability to Magnetic Mines
SPS 3.8.5.1 Emitters
SPS 3.8.5.2 Threat Library
SPS 3.8.5.3 OPSEC

SPS 3.8.6.1 IT-21
SPS 3.8.6.2 Functions
SPS 3.8.6.3 Support
SPS 3.8.6.4 Interoperability
SPS 3.8.6.5 Data Exchange
SPS 3.8.6.6 ESM
SPS 3.8.6.7 Links

L.7.10.2 SECTION 2 SPS COMPLIANCE REQUIREMENT GROUP 2

(a) Information Collection & Recording Capabilities Requirements
SPS 3.2.1 Collect and Verify Mission Triggers
SPS 3.2.1.1 Distress Calls
SPS 3.2.1.2 Line of Bearing
SPS 3.2.1.3 Transponders
SPS 3.2.2 Intelligence
SPS 3.2.3 Mission Event Data
SPS 3.2.4 Unit Status
SPS 3.2.5 Surveillance, Detection and Monitoring
SPS 3.2.5.1 Small Targets
SPS 3.2.5.2 Glacial Ice Targets
SPS 3.2.5.3 Oil and Hazardous Materials
SPS 3.2.6 Classify Targets
SPS 3.2.7 Identify Targets
SPS 3.2.8 Sort
(b) Interface Requirements
SPS 3.9.1.1 378' (WHEC) High Endurance Cutters
SPS 3.9.1.2 270' (WMEC) Medium Endurance Cutters
SPS 3.9.1.3 210' (WMEC) Medium Endurance Cutters
SPS 3.9.1.4 Mature (WMEC)
SPS 3.9.1.5 110' (WPB) Patrol Boats
SPS 3.9.2.1 HC-130H Long Range Surveillance Aircraft
SPS 3.9.2.2 HH-60J Medium Range Recovery Helicopters
SPS 3.9.2.3 HU-25A, HU-25B AND HU-25C Medium Range Surveillance Aircraft
SPS 3.9.2.4 HH-65A Short Range Recovery Helicopters
SPS 3.9.2.5 Gulfstream 3
SPS 3.9.3.1 Telecommunications Center (COMMCEN)
SPS 3.9.3.2 Operations Center/ Command Center (OPCEN)
SPS 3.9.3.3 Transportable Communication Center (TCC)
SPS 3.9.3.4 Communications Area Master Station (CAMS)
SPS 3.9.3.5 Communications Station (COMMSTA)
SPS 3.9.4.1 Maintenance and Logistics Commands (MLC)
SPS 3.9.4.1.1 Naval Engineering Support Units (NESU)
SPS 3.9.4.1.2 Civil Engineering Units (CEU)
SPS 3.9.4.1.3 Electronic Support Units (ESU)
SPS 3.9.4.2 Integrated Support Commands (ISC)

SPS 3.9.4.3 Coast Guard Bases
SPS 3.9.4.4 Coast Guard Air Stations (CGAS)
SPS 3.9.4.5 Training Centers (TRACEN)
SPS 3.9.4.6 Other Logistic Organizations

L.7.10.3 SECTION 3 SPS COMPLIANCE REQUIREMENT GROUP 3

(a) Decision Support Capabilities Requirement
SPS 3.5.1 Determine High Interest Grids and Assess Threats
SPS 3.5.2 Develop Plans
SPS 3.5.3 Allocate Resources
SPS 3.5.4 Direct and Oversee Operations
SPS 3.5.5 Navigate
SPS 3.5.6 Maintain Situation Awareness
SPS 3.5.6.1 Ocean Surface Current
SPS 3.5.6.2 Oceanographic and Meteorological Observations
SPS 3.5.6.3 Drift Rate Determination
SPS 3.5.7 Evaluate and Adjust Operations
SPS 3.5.8 Direct and Oversee Sustainment Actions
(b) Support Operations Requirement
SPS 3.7.1 Endurance
SPS 3.7.2 Replenishment
SPS 3.7.3 Health Care
SPS 3.7.4 Support Services
SPS 3.7.5 Damage Control
SPS 3.7.6 Long Term Personnel Evacuees
SPS 3.7.7 Short Term Personnel Evacuees
SPS 3.7.8 Short Term Support.
SPS 3.7.9 Long Term Support
(c) Support Requirements Requirement
SPS 3.10.1 Human Systems Integration (HSI)
SPS 3.10.1.1 Personnel
SPS 3.10.1.2 Training and Training Systems
SPS 3.10.1.3 System Safety
SPS 3.10.1.4 Human Factors Engineering
SPS 3.10.1.5 Habitability
SPS 3.10.2 Supportability
SPS 3.10.2.1 Maintenance
SPS 3.10.2.1.1 Reliability
SPS 3.10.2.1.2 Equipment Commonality
SPS 3.10.2.1.3 Modularity
SPS 3.10.2.1.4 Open System
SPS 3.10.2.1.5 Component, Subsystem, and System Interfaces
SPS 3.10.2.2 Computer Resources Support.
SPS 3.10.2.3 Facilities
SPS 3.10.2.4 Supply Support

SPS 3.10.2.5 Support and Test Equipment
SPS 3.10.2.6 Packaging, Handling & Transportation
SPS 3.10.2.7.1 Support
SPS 3.10.2.7.2 Integrated Product Data Environment (IPDE)
SPS 3.10.2.8 Legacy Systems
SPS 3.10.3 Availability of Assets
(d) Operational Environment Requirement
SPS 3.11.1 Operating Period
SPS 3.11.2 Sea State
SPS 3.11.3 Weather
SPS 3.11.4 Air/Sea Temperature & Humidity
SPS 3.11.6 Shock
SPS 3.11.7 Vibration
SPS 3.11.8 Electromagnetic Environmental Effects (E3)
SPS 3.11.9 Electrostatic Discharge (ESD)
SPS 3.11.10 Electromagnetic Interference/Compatibility (EMI/EMC)
SPS 3.11.11 Aircraft Certification
SPS 3.11.12.1 Environmental Impact
SPS 3.11.12.2 Environmental Regulations
SPS 3.11.12.3 Energy Consumption

L.7.11 BUSINESS VOLUME REQUIREMENTS (VOLUME VI) (no page limit)

The Business Volume shall be organized in the following format, with attachments, if any, incorporated in the relevant sections:

- Section 1 Model Contract
- Section 2 Partnering Agreement
- Section 3 Exceptions
- Section 4 Operating Lease Agreement

L.7.11.1 SECTION 1 MODEL CONTRACT

This part of the proposal shall include a complete copy of the proposed contract. Section A (SF 33) shall be provided with all blanks completed in the Offer Section of the form and an original signature by an authorized official of the company, on all copies. Sections B through K shall have all appropriate blanks completed and a signature by appropriate company officials where required.

L.7.11.2 SECTION 2 PARTNERING AGREEMENT

The Offeror shall submit its proposed partnering agreement. The purpose of the partnering agreement is described in section H.4 of this solicitation.

L.7.11.3 SECTION 3 EXCEPTIONS

In this section, the Offeror shall identify those requirements, terms, and conditions to which exception is taken.

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.