

**SECTION C
STATEMENTS OF WORK AND OBJECTIVES
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SECTION C STATEMENTS OF WORK AND OBJECTIVES

C.1 SCOPE

C.1.1 BACKGROUND

The Coast Guard surface and air assets used to perform missions in the Deepwater environment are approaching the end of their respective service lives. Many Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) and logistics assets and capabilities while not necessarily at the end of their service life are obsolete or not competitive with commercial products and practices. Deepwater missions generally occur beyond 50 nautical miles (nm) from U.S. shores. These missions typically require either extended on scene presence, long transit distance to reach the operating area, forward deployment of forces, or a combination of these factors. In a constrained budgetary environment, the Coast Guard needs to concentrate its scarce resources on an integrated system of surface, air, C4ISR and logistics capabilities and assets to maximize operational effectiveness while minimizing total ownership costs. To accomplish this, the Coast Guard is seeking solutions from industry in a two-phase acquisition program.

C.1.2 PHASE 1

In Phase 1, three industry consortia analyzed alternatives and developed Conceptual and Functional Designs for the Integrated Deepwater System (IDS). In Phase 1, the Contractors considered the options associated with either acquiring new assets and/or retaining, retiring or upgrading legacy assets with the objectives of maximizing operational effectiveness and minimizing total ownership costs. Phase 1 designs allocated all system level performance requirements to specific assets and other definable components. This work largely focused on concept and technology development and also extended to a small degree into system development and demonstration activities.

C.1.3 PHASE 2

In Phase 2, the Deepwater Contractor will mature the conceptual and functional designs it developed in Phase 1 and begin systems integration, testing, construction, deployment, support and disposal (as offered) of the various components of the IDS. For particularly mature components and assets, production, deployment and operational support may begin in the early years of Phase 2. Success in the initial contract period of five years would lead to follow on effort characterized by less system development and demonstration work and increasing emphasis on production and deployment as well as operations and support tasks. These tasks would be carried out during award terms extending this contract.

C.2 APPLICABLE DOCUMENTS

- (a) The provisions of this contract;

- (b) System Performance Specification, Attachment J-1;
- (c) Integrated Deepwater System Modeling and Simulation Master Plan, Attachment J-19;
- (d) Integrated Support Plan(s), Attachment J-3;
- (e) Asset Performance Specifications, C4ISR Architectures, Attachment J-4;
- (f) Asset Performance Specifications, J-5 (Surface) and J-6 (Air);
- (g) Concept of Operations, J-17;
- (h) Implementation Plan, Attachment J-2
- (i) Systems Integration and Management Statement of Work, Attachment J-7;
- (j) Integrated Logistics Support (ILS) Statement of Objectives, Attachment J-8;
- (k) C4ISR Statement of Objectives, Attachment J-9;
- (l) Surface Statement of Objectives, Attachment J-10;
- (m) Air Statement of Objectives, Attachment J-11;
- (n) Logistics Requirements Matrix, Attachment J-20; and
- (o) Other documents, exhibits, and attachments listed in SECTION J of this contract

Where the issue or revision in effect for above documents and other references is not specified herein, the issue in effect on 15 June 2001 shall apply.

C.3 SOW REQUIREMENTS

C.3.1 GENERAL

Maximization of operational effectiveness and minimization of total ownership cost of the Coast Guard's Deepwater capabilities are the primary objectives of this Deepwater Contract. The Legacy Deepwater System modeled Operational Effectiveness at time of contract award is the performance threshold and performance in each year must meet or exceed the threshold for the applicable level of demand. In partnership with the Government, the Contractor shall design, construct, test, support and dispose of the IDS in accordance with its Integrated Support Plans, C4ISR Architectures and Asset Performance Specifications, Concept of Operations, and Implementation Plan. These IDS documents, products and processes shall be updated as technology opportunities, mission demands, user needs and design maturity evolve.

The Systems Integration and Management task order directs the overarching systems integration and management activity for IDS design and implementation. Deliverables, results and plans from the Systems Integration and Management task will prompt task and delivery orders for ILS, C4ISR, Surface and Air Assets. These task and delivery orders will be issued according to five procurement phases corresponding to increasing design maturity and decreasing cost, schedule and technical risk. The five phases are identified as:

- (1) Concept and Technology Development;

- (2) System Development and Demonstration;
- (3) Production and Deployment;
- (4) Operations and Support; and
- (5) Disposal.

The attached System Integration and Management Statement of Work and four Asset Statements of Objectives (ILS, C4ISR, Surface, Air) facilitate this modular and evolutionary contracting approach. They provide for management and technical oversight but minimal task direction on the Government's part. In accordance with the task and/or delivery order planning and development process, the Contractor shall use these attachments and its own best practices to develop tailored statements of work for Government approval. The Contractor shall perform all work in accordance with the resultant statements of work and associated task and delivery orders to meet the stated objective of each procurement phase and to develop and deliver the performance specified in the SPS, Integrated Support Plans, C4ISR Architectures, C4ISR Asset and Software Performance Specifications, and Surface and Air Asset Performance Specifications.

Issuance of asset task and/or delivery orders will be subject to Government approval at a readiness review that all entrance criteria have been satisfied. Dependent upon technology maturity and opportunities and user needs, the stream of phased task and/or delivery orders required for a new asset or upgrade of an existing asset may start with any of the five phases. Similarly, some acquisition phases may be combined into a single order or some phases could be broken into two orders.

C.3.2 SYSTEMS INTEGRATION AND MANAGEMENT STATEMENT OF WORK [CLINS 0001-0009]

The Contractor shall complete all systems integration and management required to implement the IDS in accordance with the Systems Integration and Management Statement of Work (Attachment J-7). Systems Integration and Management task orders will be established for five years under CLINs 0001 through 0005. Subsequent Systems Integration and Management task orders will be established in conjunction with award term contract modifications.

Overarching requirements include elements for project management, quality assurance, data management, environmental management, systems engineering, C4ISR architecture planning, integrated logistic planning, and test and evaluation that flow down to all asset task and/or delivery orders. It also includes the instructions for task and/or delivery order planning and development.

C.3.3 INTEGRATED LOGISTICS SUPPORT (ILS) STATEMENT OF OBJECTIVES [CLINS 0010-0019]

The Contractor shall develop, design, construct, modify, upgrade, repair, test, deliver, support and or dispose of its proposed IDS Logistics Assets (new, legacy or upgrades), capabilities or services. This shall be done in accordance with the Logistics Assets Statement of Objectives (Attachment J-8) and applicable portions of the Systems Integration and Management SOW

(Attachment J-7), C4ISR Assets Statement of Objectives (Attachment J-9) and the ILS Requirements Matrix (Attachment J-20).

C.3.4 COMMAND, CONTROL, COMMUNICATIONS, COMPUTERS, INTELLIGENCE, SURVEILLANCE, AND RECONNAISSANCE (C4ISR) STATEMENT OF OBJECTIVES [CLINS 0020-0029]

The Contractor shall develop, design, construct, modify, upgrade, repair, test, deliver, support and or dispose of its proposed IDS C4ISR Assets or capabilities (new, legacy or upgrades). This shall be done in accordance with the C4ISR Assets Statement of Objectives (Attachment J-9) and applicable portions of the Systems Integration and Management SOW (Attachment J-7) and the Logistics Requirements Matrix (Attachment J-20). This statement of objectives includes guidance for the development of C4ISR requirements in ILS, Surface and Air asset Statements of Work.

C.3.5 SURFACE STATEMENT OF OBJECTIVES [CLINS 0030-0039]

The Contractor shall develop, design, construct, modify, upgrade, repair, test, deliver, support and or dispose of its proposed IDS Surface Assets (new, legacy or upgrades). This shall be done in accordance with the Surface Assets Statement of Objectives (Attachment J-10) and applicable portions of the Systems Integration and Management SOW (Attachment J-7), C4ISR Statement of Objectives (Attachment J-9) and the Logistics Requirements Matrix (Attachment J-20).

C.3.6 AIR STATEMENT OF OBJECTIVES [CLINS 0040-0049]

The Contractor shall develop, design, construct, modify, upgrade, repair, test, deliver, support or dispose of its proposed IDS Air Assets (new, legacy or upgrades). This shall be done in accordance with the Air Assets Statement of Objectives (Attachment J-11) and applicable portions of the Systems Integration and Management SOW (Attachment J-7), C4ISR Statement of Objectives (Attachment J-9) and the Logistics Requirements Matrix (Attachment J-20).

C.3.7 EMERGENT WORK [CLINS 0091-0099]

For emergent work requirements encountered in the performance of and within the scope of this contract but not specified as part of the implementation plan, the Contractor shall provide engineering and industrial services, including necessary material, for special studies, design, analyses, reviews, unscheduled asset maintenance, alteration and recovery work for IDS Assets worldwide. Specific statements of work shall be developed as and when required in accordance with the Emergent Work Requirements (Attachment J-21) and other applicable provisions of this contract.