

Marine Acoustics, Inc. is proud to be featured as a prime contractor for the following “Virtual SYSCOM” multiple award task order contract: N00178-05-D-4445. For more information, please call the MAI Contracts Dept. at 401-847-7508.

1.0 SCOPE

1.1 Background

In 2002, the Chief of Naval Operations (CNO) promulgated *Seapower 21*. *Seapower 21* provides a framework to align, organize and integrate the U.S. Navy to meet the wide variety of challenges that lie ahead. The CNO called upon the entire Navy to find ways to become more efficient and effective. To meet *Seapower 21* objectives and to increase efficiency, the NAVSEA Warfare Centers established the Seaport Enhanced (Seaport-e) Multiple Award Contract (MAC) vehicle, using a web-based, e-business procurement Portal, to facilitate performance-based service acquisition, leverage buying power, improve business intelligence and reduce cycle time. In October 2004, the Virtual SYSCOM Commanders formalized an agreement to expand the ordering community of Seaport-e to include all Virtual SYSCOM activities and to leverage the success of SeaPort-e in achieving the aforementioned objectives across the Virtual SYSCOM. Additionally, other Navy activities, including the Military Sealift Command, Strategic Systems Programs, and the United States Marine Corps have chosen to use SeaPort Enhanced.

1.2 - Mission Areas

A description of the mission areas of the activities that are ordering offices on this contract can be found at http://www.seaport.navy.mil/activities/mission_areas.doc.

1.3 - Scope of Contract

This SOW defines the overarching requirements for providing engineering, technical, and programmatic support services. The Contractor shall, in response to task orders issued under this contract by the Naval Sea Systems Command, Naval Air Systems Command, Space and Naval Warfare Systems Command, Naval Supply Systems Command, Military Sealift Command, Naval Facilities Command, Strategic Systems Programs, and the United States Marine Corps, provide services that potentially span the entire spectrum of mission areas supported by the activities and technical capabilities that comprise the various ordering offices. Additionally, activities may provide limited support under this contract to other Department of Defense (DoD), non-DoD, or Joint agencies for work that is integrally related to product areas and mission.

Additionally, services provided under this contract may include new product areas, programs, or missions assigned to these activities during the life of the contract.

2.0 APPLICABLE DOCUMENTS

Applicable military specifications and standards that are listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS), and current on the date of contract award, plus applicable industry standards, or any other program documents may be specified within the individual delivery orders that will be issued for performing specific tasks under this indefinite quantity contract.

3.0 REQUIREMENTS

The Contractor shall provide qualified personnel, materials, facilities, equipment, test instrumentation, data collection and analysis hardware and software, and other services that will support the Navy in the execution of their missions. Functional areas to be supported under this contract are described in the sections below.

3.1 - Research and Development Support

This functional area consists of supporting the development and application of scientific and analytical disciplines to conduct fundamental research; scientific study and experimentation directed toward advancing the state-of-the-art or increasing knowledge or understanding; concept formulation; assessment of system and subsystem requirements; development, analysis and evaluation of concepts, technologies, systems and subsystems; and development of operational concepts and tactics with the end goal being the application of results to developing new or improving existing warfighting capabilities.

3.2 - Engineering, System Engineering and Process Engineering Support

This functional area consists of supporting the application of engineering disciplines to technically support development of new warfighting capabilities and systems, technically support development of significant alterations to existing systems, support integration of existing equipment or software into different applications or platforms to support the warfighter, and support evaluation of foreign or non-developmental weapons systems, equipments, and technologies to satisfy existing warfighting requirements. Support is required for system and process engineering disciplines that systematically consider the requirements, synthesize and evaluate alternative concepts, identify a recommended selection, and generate a design and system specification.

3.3 - Modeling, Simulation, Stimulation, and Analysis Support

This functional area consists of the application of a standardized, rigorous, structured methodology to create and validate a physical, mathematical, or otherwise logical representation of a system, entity, phenomenon, or process. The functional area involves the use of models, including emulators, prototypes, simulators, and stimulators, either statically or over time, to develop data as a basis for making managerial, technical, strategic, or tactical decisions.

3.4 - Prototyping, Pre-Production, Model-Making, and Fabrication Support

This functional area consists of the building, fabrication, testing, evaluating and operating reduced and full scale models, mock-ups, prototypes, pre-production units and research and development (R&D) test tools of electronic and electro-mechanical systems and system elements. Fabrication and machining of replacement parts or equipments for fielded systems or platforms is included. Includes the use of traditional materials as well as new composite materials.

3.5 - System Design Documentation and Technical Data Support

This functional area involves the engineering effort required to prepare and assure that the detailed technical data documentation that is necessary to support system development reflects the latest design, configuration, integration, and installation concepts. Technical documentation may be in the form of paper, electronic (digital) or interactive computer systems.

3.6 - Software Engineering, Development, Programming, and Network Support

This functional area consists of applying the engineering and scientific disciplines to perform technical analysis of, technically support development of or selection of hardware and computer software, or modification to existing hardware and software for systems, test facilities, or training facilities. This also consists of software engineering efforts and programming support required to technically support software implementation in systems, sub-systems, and components utilizing computers, electronics, and software. Planning, designing, coding, testing, integrating, supporting, and delivering algorithms, software (source code and executables), computer programs are the inherent activities of this functional area. Generally, the software development processes used for software development under this contract shall be, as a minimum, assessed at Software Engineering Institute (SEI) Capability Maturity Model (CMM) Level 3 or equivalent, however the Government may specify other (either lower or higher) standards in individual task orders issued under the contract.

3.7 - Reliability, Maintainability, and Availability (RM&A) Support

This functional area consists of applying engineering, scientific, and analytical disciplines to ensure that systems and platforms RM&A requirements are integrated with the system design, development and life cycle sustainment resulting in warfighting capabilities that function effectively when required and that detection and correction of design deficiencies, weak parts, and workmanship defects that affect functionality are implemented.

3.8 - Human Factors, Performance, and Usability Engineering Support

This functional area consists of applying engineering, scientific, and analytical disciplines to ensure that design of interactive systems are safer, more secure and easier to use thereby reducing accidents due to human error, increasing system integrity and enabling more efficient process operations. This functional area also includes applying engineering, scientific, and analytical disciplines to ensure that the number, type, mix, knowledge, skills, and abilities (KSAs), aptitudes and physical characteristics of operators, maintainers and support personnel have been defined and documented early in the system design phase.

3.9 - System Safety Engineering Support

This functional area consists of applying engineering and analytical disciplines to ensure that safety is considered in all aspects of design, development, operation, maintenance, and modification of systems and platforms.

3.10 - Configuration Management (CM) Support

This functional area consists of applying engineering and analytical disciplines to identify, document, and verify the functional, performance, and physical characteristics of systems, to control changes and non-conformance, and to track actual configurations of systems and platforms.

3.11 - Quality Assurance (QA) Support

This functional area consists of applying engineering and analytical disciplines to ensure that the processes and products used in the design, development, fabrication, manufacture of result in quality products.

3.12 - Information System (IS) Development, Information Assurance (IA), and Information Technology (IT) Support

This functional area consists of providing information system software analysis, requirements definition, design, development, test, modification, installation, implementation, quality assurance, training, and documentation to meet the evolving data storage and reporting needs of programs and management. Analyze existing IT and IS databases, web sites, and IT applications and recommend new or improved interfaces and improved management tools that meet new management requirements, or improve management effectiveness and efficiency. Perform maintenance and technical support for Local Area Networks (LAN) and Wide Area Networks (WAN) that are outside the cognizance of the Navy Marine Corps Intranet (NMCI). Modify, implement and maintain web based information systems and links. Develop web-site structure, prepare documentation for population, implement and maintain web sites. Provide systems engineering and technical support for establishment, test, upgrade, and operational support of systems, networks, workstations and support equipment hardware and software that are outside the cognizance of NMCI. Conduct IA analyses, develop, recommend, and implement, monitor, update, and maintain, IA practices, procedures, equipments, algorithms, and hardware that are outside the cognizance of NMCI.

3.13 - Ship Inactivation and Disposal Support

This functional area consists of technically supporting submarine, aircraft, weapons system and ship inactivation and disposal efforts to ensure that critical equipment removed is safeguarded and destroyed in accordance with the appropriate Navy instructions and directives. Provide direct liaison with the Shipyard or depot and the Navy to insure that critical technology is not inadvertently transferred to foreign nationals or governments. Ensure proper documentation exists for the sale of excess materials from inactivated platforms prior to sale by the Defense Reutilization and Marketing Service (DRMS). Technically support the demilitarization process for shipboard equipment using the Expanded Work Breakdown Structure (EWBS), Trade Security Controls (TSC), and Munitions List Items (MLI) all of which are used to determine the disposition of excess, not-ready-for-issue (non-RFI) equipment. Technically support the security classification requirements and guidelines for data and equipment necessary to assist in making decisions on sales issues.

3.14 - Interoperability, Test and Evaluation, Trials Support

This functional area consists of the application of engineering, scientific, and analytical disciplines necessary to ensure that developed platforms, systems, and warfighting capabilities have been properly tested and that joint interoperability requirements have been fully met at all levels of their life cycle .

3.15 - Measurement Facilities, Range, and Instrumentation Support

This functional area consists of applying engineering, analytical, and technician disciplines in the operation and support of measurement facilities, ranges and instrumentation used for testing, evaluating, experimenting, and exercising platforms and systems.

3.16 - Acquisition Logistics Support

This functional area consists of applying the engineering and analytical disciplines required to implement acquisition logistics as a multi-functional technical management discipline associated with the design, development, test, production, fielding, sustainment, and improvement modifications of cost effective systems that achieve the warfighters' peacetime and wartime

readiness requirements. The principal objectives of acquisition logistics are to ensure that support considerations are an integral part of the system's design requirements, that the system can be cost effectively supported through its life-cycle, and that the infrastructure elements necessary to the initial fielding and operational support of the system are identified and developed and acquired.

3.17 - Supply and Provisioning Support

This functional area consists of applying the analytical and technical disciplines required to ensure that fielded warfighting capabilities are materially sustained. The principal objectives of this functional area is to ensure that material for fleet operation and maintenance of systems is available when required, that materials are properly stored and transported, and inventories are managed in a cost effective manner to sustain supported systems.

3.18 - Training Support

This functional area consists of applying the engineering and analytical disciplines required to ensure that the warfighter and technical support community is provided with adequate instruction including applied exercises resulting in the attainment and retention of knowledge, skills, and attitudes regarding the platforms, systems, and warfighting capabilities they operate and maintain. This functional area includes organizational development activities.

3.19 - In-Service Engineering, Fleet Introduction, Installation and Checkout Support

This functional area consists of the application of engineering, analytical, and technical disciplines and skills to establish and maintain long-term engineering, operation, and maintenance support for in-service warfighting capabilities as well as the capability to modernize or introduce transformational technologies into those capabilities.

3.20 - Program Support

This functional area consists of applying the business, financial management, and technical disciplines required to support planning, organizing, staffing, controlling, and leading team efforts in managing acquisition programs such that the result places a capable and supportable system in the hands of the warfighter when and where it is needed, and does so at an affordable price. This functional area represents an integration of a complex system of differing but related functional disciplines that must work together to achieve program goals through development, production, deployment, operations, support, and disposal.

3.21 - Administrative Support

This functional area consists of applying the clerical and administrative disciplines required for seamless operation of offices and support functions.

3.22 - Public Affairs and Multimedia Support

This functional area consists of supporting the development and application of print, photo, video, and multimedia public affairs instruments. Support may be required for promotional writing services, message/brand development, visual media to include still, video and multimedia documentation, message dissemination, photography, and other public affairs services to augment existing staff and provide critical assistance in development of communication messages for the Navy.