

Jacobs' Team Experience – Imagine One

Support for the Program Executive for Aircraft Carriers

Imagine One was awarded contract GS10TR-00-BNA-0004 to support the Program Executive Officer for Aircraft Carriers (PEO Carriers) acquisition and lifecycle management of aircraft carriers for the U.S. Navy. Current efforts include system design; equipment design; integrated product and process development; acquisition; construction; fleet introduction; enterprise knowledge management; maintenance, modernization, and disposal associated with ships; weapon systems; and equipment. This contract provided support to acquisition and staff, the Future Aircraft Carrier Program Office (PMX378), and the Aircraft Carrier Program Office (PMS312), the lifecycle program within PEO Carriers. Imagine One provided support in areas including engineering, program management, business and finance management, and logistics.

Engineering Analysis and Support

- Conducted engineering studies, assessments, investigations, and surveys, including concept development and preliminary planning studies
- Conducted liaison with contractors, NAVSEA field activities, and fleet units as directed by PMS312
- Provided assessments and critiques as needed for documentation and studies
- Performed as program office action activity in charge of DOD's Reduced Total Ownership Cost (R-TOC) Program participation, developing cost estimates and lifecycle cost savings for all carrier modernization efforts including over 125 separate initiatives
- Conducted an electrical study of the USS Kennedy (CV-67), which estimated savings to be gained through the implementation of industrial techniques for reducing electrical demand and improving the efficiency of the electrical plant onboard ship

Program Management and Support

- Drafted justification and cost forms for Smart Carrier systems ship alterations, coordinating needed actions with NAVSEA field activities
- Acted as program office representative overseeing modernization availabilities where Smart Carrier installations are accomplished, providing direction and improving communication with the program office
- Provided services to update, maintain, and develop data for various programs including process improvement programs and engineering programs
- Provided database management services including development, assessment, and maintenance
- Supported PMS312 Smart Carrier Program at various meetings

SPAWAR Chief Assistance Secretary of the Navy

Under contract N65236-02-D-6823, Imagine One was contracted by SPAWAR Chief Assistant Secretary of Navy (ASN) CHENG technology focus group for technology planning and execution. They assisted the Chief Systems Engineer in formulating a strategic plan, designing trades, and a requirements analysis for the acquisition and development of Navy Tool for Interoperability Risk Assessment (NTIRA) and the selection of Object Oriented (OO) Software methodology and tools to support this program. This included providing design support to the NTIRA team, developing software and database systems, supporting the development of data collection requirements, a NTIRA systems analysis and mission abilities assessment, and providing business capture, and risk assessment services.

Work under this contract consisted of providing technical and engineering services for Code 611 initiatives, particularly with respect to P-3ASUW Improvement program, and engineering and technical support for ESM Upgrade System. Support included development of program management plans, initial cost estimates, tracking progress reports, development of status briefs, and general action tracking. Additionally, Imagine One provided support in the development, engineering, and marketing of the programs. Imagine One assisted the Branch Head and branch personnel in identifying candidates within NAVAIR and other organizations that have potential requirements for those capabilities and/or systems and subsystems. Point papers, operational requirements, and technology trends were used to identify key strategies for aggressively marketing and briefing the potential candidates. Imagine One also attended weekly staff meetings, presented briefs, assisted Government personnel with presentations to potential new and old customers, coordinated technical exchange meetings, and promoted Code 611 capabilities within NAVAIR and NAWC-AD.

The Space and Naval Warfare Systems (SSC) Charleston had a requirement for analysis of new technology with the goal of increasing its position as a leading edge, technological engineering command. Code OE is leading two major architecture development and interoperability improvement initiatives supporting the Assistant Secretary of the Navy, for Research Development and Acquisition (ASN RDA), OPNAV, and Commander Fleet Forces Command (CFFC). These high-profile initiatives are critical elements of an overall Department of the Navy strategy designed to significantly improve fleet C5ISR systems interoperability at all echelons of the chain of command. As such, the Center intended to assess various C5ISR Systems being developed by the warfare centers with the goal of developing a methodology to assess the impacts of costs, capability, and performance of and between these systems. Consistent with this effort, the Chief Systems Engineer intended to acquire/develop a methodology and toolkit that would become the focal point for the acquisition, development, and assessment of warfighter capability derived from these complex C5ISR systems. The intent is to assist with and synchronize concurrent efforts by the Navy CFFC, CNO, and SYSCOMS to coordinate the acquisition and fielding of those systems. Similarly, SSC-Charleston is working with ASN (RDA) CHENG and CNO to develop and assess Mission Capabilities Packages (MCP). This effort required similar analytical and metric development, but was to be driven by different resources and schedules.

The Space and Naval Warfare Systems was tasked by NAVSEA PMS-430 to provide technical and engineering services and products to support the fleet. There existed a requirement to perform a study to assess the communications requirements to support an embarked BFTT exercise. This task required an in-depth analysis of High Level Architecture (HLA) requirements and BFTT Simulation and stimulation requirements. Work consisted of providing logistics and program management services in support of the integration of the Maritime Aircraft Support Center (MASC) Global Command and Control System – Maritime (GCCS-M) into the Norwegian Command and Control Information System (NORCCIS). Support also included development of program management plans, initial cost estimates, logistics support analysis, risk management, tracking progress reports, development of program status briefs, and general action/logistics tracking.

Additionally, support was provided in research and marketing of the program. Tasking included assisting the Branch Head and branch personnel in identifying candidates within NAVAIR and other organizations that have potential requirements for those capabilities and/or systems and subsystems. Using input from point papers, operational requirements, and technology trends, they identified key strategies for

marketing and briefing the potential candidates, coordinated meetings, and promoted Code 611 capabilities within the NAVAIR community.

Imagine One has been providing a state-of-the-art end-to-end Distance Support System (DSS) that will facilitate advanced distributed learning technology and lifecycle support capability for CITPO's Composite Health Care System (CHCS) training and operational facilities. The following major functional elements of a DSS were provided as available training options for CHCS I training support: CITPO Portal, Collaborative Development Environment (CDE), Training Management System (TMS), Learning Management System (LMS), Document Management Infrastructure (DMI), training support, and instructor-led remote training capabilities. The Distance Support System, which was based on standards such as SPAWAR's Documentation Management Infrastructure, (DMI), The Subject Matter Authority Resource Training System (TSMARTS), Shared Content Object Reference Model (SCORM), and World Wide Web Consortium (W3C) utilized open systems architectures that facilitate inclusion of new standards and technologies. Work consisted of providing project planning in support of the Imagery Workstation Project. Support included development of program management plans, initial cost estimates, technical and meeting reports, maintaining and tracking action item reports, development of program status briefs, and attending program and technical meetings as required. Additionally, support was provided in researching leading edge technologies and preparing concept papers and briefs for potential customers within the various communities. Tasking included working with vendors on the latest technology advancements and preparing procurement paperwork as required.